STUDY PROGRAMME ACCREDITATION MATERIAL:

COMPUTING AND CONTROL ENGINEERING

DOCTORAL ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

Jelisaveta Šafranj

Ivana Mirović

Marina Katić

Vesna Bodganović

Dragana Gak

Ličen Branislava

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Programme name	Computing and Control Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Electrical and Computer Engineering
Type of studies	Doctoral Academic Studies
Study scope, expressed in ECTS	180
Academic degree, abbreviation	Doctor of Science - Electrical and Computer Engineering, Ph.D.El.Comp.Eng.
Study length	3
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	44
Planned number of students to be enrolled in this programme	135
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00.   Higher Education Institution Competence for the Implementation of PhD Studies

The Faculty is fully prepared in terms of academic staff, classroom capacity and other facilities for administering doctoral studies in all the fields studied at the Faculty based on indicators related to scientific and research work. The Faculty has a short-term and long-term plan and is accredited as a scientific and research institution, as required by law.

The ability of the Faculty to administer doctoral studies can be indicated by the following criteria:

•the number of Ph.D. and Master theses defended at the higher education institution which are in the area for which the study programme is accredited, in terms of the ratio of the doctoral and master theses and the number of students who have graduated from the programme and the number of professors.

•the ratio between the number of professors and the number of professors involved in scientific and research projects.

•the ratio between publications in the Ministry of Science acclaimed international journals in the last 10 years and the number of professors.

•cooperation with institutions in the country and abroad

•the Faculty employs a number of tenured teachers who have acted as doctoral thesis supervisors.

The capability of the Faculty to administer doctoral studies is obvious from the references which are enclosed with the accreditation material.

Standard 01.   Programme Structure

The name of the Doctoral Study Programme is Computing and Control Engineering. The acquired academic degree is a Doctor of Science - Electrical and Computer Engineering. The outcome of the learning process is the knowledge which enables students to become capable of independent scientific research.

There are three study groups at Doctoral studies in Computing and Control Engineering that last one academic year:

1. Automatic Control and Systems Engineering,
2. Applied Computer Science and Informatics,
3. Computer Engineering and Computer Communications.

Doctoral studies in Computing and Control Engineering last three years and they are worth at least 180 ECTS. Since it is 90 ECTS obtained through examination of the subjects, 30 ECTS laying theoretical basis for doctoral dissertations, and 60 ECTS are acquired by the drafting and defense of the doctoral dissertation. Doctoral studies cannot last longer than 10 years.

Research study on theoretical grounds is a doctoral dissertation qualifying exam for the preparation of a doctoral dissertation in which students demonstrate that they mastered necessary theoretical knowledge in the scientific areas of interest. Theoretical foundations are laid as examination (written and / or oral) by subject (issues) from at least three teaching subjects from the study programme.

Doctoral studies are organized through lectures, research study, research work, construction and defense of the doctoral dissertation. Student`s research interest is profiled by selecting teaching subjects which will be studied and taken; and thus, contribute in-depth knowledge and understanding of areas (themes) of his doctoral dissertation. Optional subjects are selected from the group of proposed subjects of study programme, but the students have the opportunity to choose a number of subjects, with the consent of the mentor (co-mentor), from a set of subjects for Doctoral Studies at Faculty of Technical Sciences, University of Novi Sad, or any other university in the country or abroad. At the same time the conditions prescribed for teaching attendance in selected cases have to be fulfilled.

Teaching activity for the subjects (obligatory or elective) is a group or individual (mentoring) activity. Group classes are held if the subject was chosen by five or more students or if this type of training is necessary to organize due to the nature (character) of the subject. The decision on the type of instruction and optional subjects that will be taught is taken by the Head of Doctoral Studies with the consent of the Manager of Doctoral Studies at the Faculty.

Standard 02.   Programme Objectives

The purpose of the Study Programme is education of students capable of high quality and independent scientific research in accordance with the needs of society. On the other hand educating staff trained to critically evaluate research work and independently carry out original and scientifically relevant research enables the development of new technologies and procedures that contribute to the overall development of society. In addition, the purpose of this Doctoral Study Programme is a contribution to national science as well.

Study Programme of Doctoral Studies in Computing and Control Engineering is designed to provide acquisition of skills that are socially justified and useful. Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field of technology and purpose of the Study Programme of Computing and Control Engineering is completely in line with the objectives and goals of the Faculty of Technical Sciences.

Standard 03.   Programme Goals

The objective of the study program is for the students to attain scientific competencies and academic skills in the field of Computing and Control Engineering. This also includes the development of creative abilities when solving problems and the ability of critical thinking, development of teamwork skills and mastering specific practical skills necessary to perform the profession.

The objective of the study program is to educate an expert who has sufficient extended knowledge consistent with contemporary directions of development of science in the world.

One of the specific objectives which is in accordance with educational aims of experts at the Faculty of Technical Sciences is to develop students` awareness of the need for a personal contribution to the development of society   in general and environmental protection. The objective of the study program is also the education of experts in the field of teamwork, and development of technical capacity for communication and presentation of their original results to scientific public.

Standard 04.   Graduates' Competencies

PhD graduates of the academic study programme in Computing and Control Engineering are competent to conduct research and solve problems in real life practice activities. Competencies include, above all, the development of critical thinking skills, problem analysis capabilities, the synthesis solution, predicting the behavior of selected solutions with a clear representation of what is good and what is bad by the selected solution.

Qualifications that indicate the completion of doctoral academic studies are gained by students:

•who have demonstrated systematic knowledge and understanding in the field of computer science and automatics that complements the knowledge gained in graduate academic studies, being the basis for developing critical thinking and application of knowledge;

•who have mastered the skills and methods of research in the field of computer science and automatics

•who have shown the ability of making concepts, design and application

•who have shown ability to adapt the research process with the necessary level of academic integrity;

•who have performed original research and work, extending the boundaries of knowledge, which is verified by publishing papers in the appropriate scientific journal and by the references to national and international levels;

•who are capable of critical analysis, evaluation and synthesis of new and complex ideas

•who are capable of knowledge and ideas transfer to their colleagues, wider academic community and society in general

•who are capable of promoting technological, social and cultural progress in the academic and professional environment

After graduation, PhD programme allows students to have the knowledge, skills, developed abilities and competencies to :

•independently solve practical and theoretical problems and organize and realize developing activities and research;

•be involved in international scientific projects

•be able to implement the development of new technologies and procedures in the field of architecture and to understand and use modern knowledge;

•think critically, work creatively and independently;

•respect the code of ethics and principles of good scientific practice;

•be capable to present scientific research results at scientific conferences and publish in scientific journals, verifying them through patents and new technical solutions;

•contribute to the development of scientific disciplines in science generally.

After this study programme completion, the student obtains the following subject-specific competences:

•thorough knowledge and understanding of the disciplines that are the subject of their involvement;

•ability to solve problems using scientific methods and procedures;

•linking basic knowledge in various fields and their application;

•ability of modern developments in the field of profession;

•necessary skills and ability in applying knowledge in the field of computer science and automatics;

PhD graduates of Computing and Control Engineering get knowledge how to economically use natural resources in accordance with sustainable development principles.

In particular, attention is paid to the development of skills in team work and development of professional ethics.

Acquired competence are verified by scientific papers. Before obtaining the Graduate Diploma a candidate must publish (or to prove that the papers are accepted for publication) at least one paper in the SCI journal list.

Standard 05.   Curriculum

The curriculum of the Doctoral Academic Study Programme in Computing and Control Engineering is made to meet the set goals. The structure of the study programme enables the students to choose optional courses which will be worth at least 70% of ECTS credits.

During the course of the doctoral academic studies students are encouraged to specialize in the specific field of study they are most interested in. Through optional courses they are able to take further interest in the scientific and research areas studied during the course of their graduate academic studies.

All courses last one semester and are worth a certain number of ECTS credits, one credit comprising approximately 30 hours of a student`s activity.

The curriculum defines every course of the study programme which states the following: the course name, type, the year and semester when the course is lectured, the number of ECTS credits, the name of the lecturer, the course objective with the expected outcome, the knowledge and competences the student will acquire, the prerequisites for taking the course, the course content, the recommended literature, the methods of lecturing, the knowledge tests and evaluation.

The study programme is created in accordance with the European standards concerning the enrolment requirements, the duration of studies, the terms of enrolling into the next year of studies, the acquisition of a diploma and the mode of study.

The curriculum enables students to attend 7 courses during the first three semesters. During the first semester two compulsory courses (Methods of Scientific Research; Selected Chapters in Mathematics) and one optional course are taught. During the second and third semesters (each containing two optional courses) students elect optional courses after consulting their co-mentor, one being available to every student of the doctoral studies.

The doctoral studies are worth no less than 180 ECTS, out of which at least 90 ECTS are obtained by passing the course tests assigned by the study programme, and 90 ECTS are obtained through the research study of the theoretical framework of a doctoral dissertation and through its completion and defence.

The research study of the theoretical framework of a doctoral dissertation is completed by passing an exam which proves that the student has acquired the necessary theoretical knowledge in the chosen field of study. Passing this exam enables the student to continue the doctoral studies. The theoretical framework has to be taken as an exam (either written or oral), divided into chapters (questions) in at least three courses of the study programme.

The doctoral studies within a specific study programme last at least 3 (three) academic years (6 semesters), and their longest duration is 10 academic years.

The doctoral studies involve classes, scientific and research work and the completion and defence of a doctoral thesis.

The course lectures (obligatory and elective) are carried out either through group or individual work (with a mentor). Group lectures are necessary if more than five students are taking a particular course, or if the nature of the subject (the course) requires group work.

The decision on the type of lectures and optional courses to be organized is made by the Head of the Doctoral Studies in compliance with the Study Programme Quality Committee.

Table 5.2 Course specification

Course:		Scientific Research Method			
Course id:	DZ001				
Number of ECTS:	5				
Teachers:		Atanacković M. Teodor, Folić J. Radomir			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
0	0	0	3		0
Precondition courses		None			

1. Educational goal:

To enable students for successful writing of scientific papers and doctoral dissertations.

2. Educational outcomes (acquired knowledge):

- Ability of understanding varius scientific metods witch was used in scientific literature
- Ability of successful managing in proffesonal literature
- Ability of successful writing of scientific paper in area of of interests
- Ability of successful creating and ending of doctoral dissertation

3. Course content/structure:

Definition of science. Development of science through history.
Scientific methodology.
General and special scientific methods.
Structure of a scientific paper. Types of scientific results.
Writing and publishing scientific papers.
Writing the doctoral dissertation.
Evaluating scientific results.

4. Teaching methods:

Lectures. Consultations with students. Seminar paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Karl Poper	Logika naučnog otkrića		Nolit, Beograd	1973

Table 5.2 Course specification

Course:		Selected Topics in Information Security			
Course id:	DRNI19				
Number of ECTS:	13				
Teachers:		Sladić S. Goran, Milosavljević P. Branko			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Students gain advanced knowledge in the field of research and development of information security.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of various approaches and solutions in the field of information security, as well as the implementation and development of information security aspects to support complex information systems.

3. Course content/structure:

Standards in information security. Information security systems. Technologies for implementing information security. Security engineering. Examples of information security systems. A part of the course work is conducted through independent individual research study work in the field of information security. The research study work requires the student's active and constant interest in and reading of the primary scientific resources and, optionally, writing a paper in the field of information security.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	različiti autori	Monografske publikacije i naučni radovi iz oblasti bezbednosti informacija			2012

Table 5.2 Course specification

Course:		
Course id:	DZ01M	**Selected Chapters in Mathematics**
Number of ECTS:	12	

Teachers:	Adžić Z. Nevenka, Doroslovački D. Rade, Gilezan K. Silvia, Grbić P. Tatjana, Kostić Z. Marko, Kovačević M. Ilija, Mihailović P. Biljana, Pantović B. Jovanka, Pilipović R. Stevan, Rajković R. Milan, Ralević M. Nebojša, Sladoje Matić I. Nataša, Stojaković M. Mila, Teofanov Đ. Ljiljana, Uzelac S. Zorica
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	3	0

Precondition courses	None

1. Educational goal:

To acquire knowledge which can be used in professional subjects and practical work, develop and solve mathematical models for engineering courses using the knowledge gained through selected chapters in mathematics.

2. Educational outcomes (acquired knowledge):

Student will have been competent enough to develop and solve mathematical models in further professional education.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Numerical Mathematics, 2. Optimization. 3. Pattern Recognition. 4. Partial Differential Equations, 5. Nonlinear Equations. 6. Computational geometry. 7. Elements of Functional Analysis. 8. Combinatorics. 9. Graph Theory.10.Operational Research- Linear Programming. 11. Probability 12. Statistics .13.Stochastic Processes. 14. Vector analysis. 15. Complex Analysis. 16. Linear Algebra. 17. Differential and Difference Equations. 18. Euclidean and Non-Euclidean Geometry. 19. Fractional Calculus,Differential Equations . 20. Operational Research-Quiuing theory. 21. Logic in Computing. 22. Discrete Mathematics. 23. Higher order Logic. 24. Theory of Mobile Processes. 25. Numerical Methods of Linear Algebra. 26. Fuzzy Sets. 27. Economic and Financial Mathematics. 28. Groups and Algebras Li. 29. Formal Languages and Automata Theory. 30. Process Algebras. 31. History of Mathematics. Part of the course is in the form of independent research and study in the field of mathematics. Study and research work is based on primary scientific sources, organization and conduction of experiments and statistical data analysis, numerical simulations, and possible paper in the field of mathematics.

4. Teaching methods:

Lectures. (The student can choose in consultation with supervisor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Alexander Mood,...	Introduction to the theory of statistics	McGraw Hill	2005
2,	Athanasios Papoulis	Probability, random variables and stochastic processes	McGraw Hill	2002
3,	I. Kovačević, N. Ralević	Funkcionalna analiza	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
4,	N.Ralević,I.Kovačević	Zbirka rešenih zadataka iz Funkcionalne analize	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
5,	M.Stojaković	Slučajni procesi	FTN, Novi Sad	1999
6,	V.Jevremović,J.Mališić	Statističke metode u metorologiji i inženjerstvu	Savezni hidrometorološki zavod, Beograd	2002
7,	Zeidler E.	Nonlinear Functional Analysis and Aplications	Springer-Verlag, New York-Berlin-Heidelberg-Tokyo	1985
8,	Zlobec S., Petrić J	Nelinearno programiranje	Naučna knjiga, Beograd	1989
9,	Dauxois, M. Peyrard	Physics of Solitons	Cambridge University Press, Cambridge, New York	2006
10,	Saaty, T. L	Modern Nonlinear Equations	Dover Publications, Inc., New York	1981
11,	N. Ralević, S.Medić	Matematika 1 - drugi deo	FTN, Novi Sad	2002
12,	Heinz-Otto Peitgen, H. Juergens, D. Saupe	Chaos and Fractals	Springer Verlag, New York	2004

Literature				
Ord.	Author	Title	Publisher	Year
13,	Mileva Prvanović	Osnovi geometrije	Građevinska knjiga, Beograd	1990

Table 5.2 Course specification

Course:		Selected Topics in E-Government			
Course id:	DRNI10				
Number of ECTS:	13				
Teachers:		Gostojić L. Stevan, Konjović D. Zora, Surla I. Dušan			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

Deep knowledge in e-government development methodologies and e-government technologies

2. Educational outcomes (acquired knowledge):

After successful course student is able to design and implement complex ICT systems for e-government support.

3. Course content/structure:

Theoretical foundations of eGovernment. Egovernment i developed countries. eGovernment in Serbia. eGovernment technologies. eGovernment information security. eGovernment applications' integration. Semantic Web in eGovernmnet,

4. Teaching methods:

Forms of teaching include: lectures, practical work on computers, developing projects, as well as consultations. During the lecture classes the content of the course is presented using the necessary didactic materials and stimulating the active participation through presentation of the assigned materials. The practical component is covered through computer work. The student is obliged to dvelop an independent project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Åke Grönlund, Thomas A. Horan	Introducing e-GOV: History, Definitions, and Issues	Association for Information Systems	2004
2,	Različiti autori	Monografske publikacije i naučni radovi iz odabranih oblasti eUprave		2012

Table 5.2 Course specification

Course:		Selected Chapters in Physics
Course id:	DZ01F	
Number of ECTS:	12	
Teachers:		Budinski-Petković M. Ljuba, Kozmidis-Luburić F. Uranija, Kozmidis-Petrović F. Ana, Satarić V. Miljko, Vučinić-Vasić T. Milica
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	3	0

Precondition courses	None

1. Educational goal:

To acquire the knowledge of physics which is applied in modern engineering.

2. Educational outcomes (acquired knowledge):

The students will have acquired the knowledge which enables them to develop models for solving problems in practical professional work as well as evolvement in science and research work in the corresponding areas.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Lasers, their applications in engineering, 2. Quantum tunnelling effect and applications, 3. Quantum dots, wires and tubes, Applications in nanotechnologies, 4. New materials, amorphous materials, spin glass, 5. Natural and artificial polymers and their application in nanotechnologies, 6. Numerical method of statistics physics, random number generator. Monte Carlo simulation.

4. Teaching methods:

Lectures. (The student can choose in consultation with co-mentor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	K. Binder, D.W. Heermann	Monte Carlo Simulation in Statistical Physics	Springer-Verlag	1988

Table 5.2 Course specification

Course:		
Course id:	DRNI01	**Selected Topics in Computer Programming**
Number of ECTS:	13	

Teachers:	Malbaški T. Dušan, Kupusinac D. Aleksandar, Mernik R. Marjan, Popov B. Srđan
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Acquisition of deep knowledge of contemporary theories of programming and related technologies.

2. Educational outcomes (acquired knowledge):

Understanding modern theory of programming and training for the application of acquired knowledge in the development of software systems.

3. Course content/structure:

Modern theory of programming. Selected programming paradigm. Technology and development tools to support modern computer programming paradigms.
Part of the teaching on the subject is done through independent research and study work in the field of computer programming.
Research and study work includes active monitoring of primary scientific sources, possibly writing a paper on computer programming.

4. Teaching methods:

Forms of teaching activities are lectures, practical work on the computer, construction projects, and consultations. Using necessary teaching resources during the lectures, subject matter is presented to students by stimulating their active participation as they are required to explain the contents of which they are assigned. The practical part is mastered by students` work on computer. Students are obliged to do the project alone.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project defence	Yes	60.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz teorije programiranja		2007

Table 5.2 Course specification

Course:		Selected Topics in Computer System Architectures
Course id:	DRT02	
Number of ECTS:	13	
Teacher:		Kovačević D. Vladimir
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Mastering facilities in the area of computer systems architecture.

2. Educational outcomes (acquired knowledge):

Mastering facilities in the area of computer systems architecture

3. Course content/structure:

Overview of modern programming tools for the development of digital systems. Overview of modern methods and techniques for the synthesis of digital systems. Overview of modern environment for testing and verification of possible routes of digital systems. Stating further research. Defining topics and tasks. Implementation. Experiments. Writing a paper. Review and defense of the paper.

4. Teaching methods:

Classes are held through presenting current and possible new research directions through introductory lectures, the choice of topics and formulation of the task in cooperation with the mentor, making simulators, laboratory models and prototype solutions, a series of laboratory experiments in order to collect necessary data, writing a paper, and its review by the subject teacher.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	Odabrani naučni radovi iz predmetne oblasti		nema

Table 5.2 Course specification

Course:		
Course id:	DAU003	**Selected Chapters in Mechanics**
Number of ECTS:	13	
Teachers:		Atanacković M. Teodor, Novaković N. Branislava
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

To develop capabilities for independent literature study and active research work in the fields of classic and mechanics of derivatives of real series. Special attention is given to the optimization problems in elasticity (uni and bimodal) and problems of controlling systems described by differential equations with real series derivatives.

2. Educational outcomes (acquired knowledge):

Students will have been able to actively follow the scientific literature and do research work in the field of mechanics described by partial derivative.

3. Course content/structure:

Differential and integral variational principles of mechanics. Derivatives of real series and their application in mechanics. Hamilton`s principle in the case of partial derivatives.
Part of the course is in the form of independent research and study in the area of mechanics..
Research and study work is based on primary scientific sources, numerical simulations and producing a paper in the field of applied mechanics.

4. Teaching methods:

Lectures. Seminar papers. Consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	B. D. Vujanovic, T. M. Atanackovic	An intorduction to Modern Variational Techniques in Mechanics and Engineering	Birkhauser, Boston	2004
2,	T. M. Atanackovic	Stabilty Theory of Elastic Rods	World Scientific	1997

Table 5.2 Course specification

Course:		Selected Topics in Computing
Course id:	DAU014	
Number of ECTS:	13	
Teachers:		Konjović D. Zora, Popović V. Miroslav, Hajduković P. Miroslav, Vidaković P. Milan, Perišić R. Branko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Acquiring advanced knowledge in the selected areas related to computer software.

2. Educational outcomes (acquired knowledge):

The students will have been able to critically analyze the existing solutions and synthesize original solutions in the selected areas related to computer software.

3. Course content/structure:

Theoretical foundations of the selected areas related to computing. Technological foundations of the selected chapters in computing. Independent research and study in the area of computing.

4. Teaching methods:

Forms of teaching include: lectures, practical work on computers, developing projects, as well as consultations. During the lecture classes the content of the course is presented using the necessary didactic materials and stimulating the active participation through presentation of the assigned materials. The practical component is covered through computer work. The student is obliged to dvelop an independent project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Nije primenljivo	Odabrani naučni radovi uz predmetne oblasti	različiti izdavači	2012

Table 5.2 Course specification

Course:		Selected Chapters in Telecommunications and Signal Processing
Course id:	DAU001	
Number of ECTS:	13	

Teachers:	Šenk I. Vojin, Temerinac R. Miodrag
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

To grasp the principles on which modern communication systems are built.

2. Educational outcomes (acquired knowledge):

Student will have gained knowledge of modern communication systems and the ability of their analysis and synthesis.

3. Course content/structure:

Modulations. Information., compression, protection of information from problems in transmission. Contemporary communication systems.
Part of the course is in the form of independent research and study in the area of telecommunications and signal processing.
Research and study work is based on primary scientific sources, organization and conduction of research experiments.

4. Teaching methods:

Lectures. Consultations. Research and study work

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	10.00	Oral part of the exam	Yes	50.00
Project defence	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Thomas M. Cover, Joy A. Thomas	Elements of Information Theory	Wiley-Interscience	1991

Table 5.2 Course specification

Course:		Selected Chapters in Mathematics 2
Course id:	DAU004	
Number of ECTS:	13	

Teachers:	Pilipović R. Stevan, Stojaković M. Mila
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

To develop the ability of abstract thinking and acquire knowledge of mathematics.

2. Educational outcomes (acquired knowledge):

Student will have been competent enough to develop and solve mathematical models in further professional education.

3. Course content/structure:

Depending on student`s choice and in accordance with their prior knowledge of mathematics fundamentals, attention will be given to the selected chapters in probability, statistics and stochastic processes. Part of the course is in the form of independent research and study in the area of mathematics. Research and study work is based on primary scientific sources, organization and conducting of experiments, numerical simulations, and possible paper in the field of mathematics.

4. Teaching methods:

Lectures. Consultations. Lectures are organized so that the presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the material. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Aleksander Mood,...	Introduction to the theory of statistics	McGraw Hill	2005
2,	Athanasios Papoulis	Probability, random variables and random processes	McGraw Hill	2002
3,	Sheldon Ross	Probability models	Academic Press	1996
4,	J.P.Marques de Sa	Applied statistics using SPSS,STATISTICA and MATLAB	Springer	2005

Table 5.2 Course specification

Course:		Current State in the Field			
Course id:	SID04				
Number of ECTS:	2				
Teachers:		Atanacković M. Teodor, Katić A. Vladimir, Kulić J. Filip, Vilotić Ž. Dragiša			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
0	0	0	2		0
Precondition courses		None			

1. Educational goal:

Introducing students to the current research directions and manners in solving problems from the wider study field.

2. Educational outcomes (acquired knowledge):

Knowledge on the current research directions worldwide in the field, based on lectures by prominent professors from the universities in Europe or prominent experts from the well-known companies abroad.

3. Course content/structure:

Contemporary topics in the field of research, presented by prominent professors and experts on lectures on invitation. Students select topics or attend lectures as they wish or as they find the topic interesting.

4. Teaching methods:

Survey on solving contemporary problems by theoretical methods and multimedia presentations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Project		Yes	30.00	Oral part of the exam	Yes	70.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Razni	Časopisi sa SCI liste		IEEE Publishing, i dr.	2008

Table 5.2 Course specification

Course:		Selected Topics in Contemporary Software Development Methods
Course id:	DRNI12	
Number of ECTS:	14	
Teachers:		Perišić R. Branko, Milosavljević R. Gordana, Dejanović R. Igor
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Introducing students to the software product life cycle and the different methodologies, standards and tools that support the life cycle of the software product as a whole or in any of its phases.

2. Educational outcomes (acquired knowledge):

Students gain knowledge about different methodologies, standards and tools of software development. Students are able to select and actively use optimal methodology and tools for particular software project, and to explain their choice.

3. Course content/structure:

Software product life cycle; phases of life cycle; importance of applying the methodology for software development; history of development methodologies; software development models, models based on the waterfall, iterative and incremental models; Bems spiral model, models based on prototypes; agile methodologies (SCRUM, ekstreme programming, Feature Driven Development - FDD, Dynamic Systems Development Method – DSDM, Kristal, Adaptive Software Development - ASD); automated software development, modern tools for planning, design, construction and documenting; tools for teamwork support and tracking project progress.

4. Teaching methods:

Lectures. Computer practice. Consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	B. Boehm, R. Turner	Balancing Agility And Discipline	Pearson Education, Inc.	2009
2,	Kassem A. Saleh	Software Engineering	J. Ross Publishing	2009

Table 5.2 Course specification

Course:		
Course id:	DRNI13	**Selected Topics in Scientific-research Activity managament**
Number of ECTS:	14	

Teachers:	Surla I. Dušan, Ivanović V. Dragan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Understanding the concepts and systems for scientific research activity. Gaining the knowledge and skills for design and implementation of scientific research management systems.

2. Educational outcomes (acquired knowledge):

Upon successful completion of the course students are able to use existing scientific research management systems, as well as to specify and implement information system for the needs of scientific-research institution.

3. Course content/structure:

Scientific research activity basic concepts and relations between them: researcher, institution, scientific project, scientific-research output. Types of scientific-research outputs. Models for scientific-research outputs' evaluation. Citation databases. Scientific-research outputs' searching. Standardization in scientific research management systems. Standardization in scientific-research outputs' searching. Software platform for creation of institutional repositories. Networks of institutional repositories.

4. Teaching methods:

Lectures, practical computer work, project work and tutorial work. Using the necessary didactic tools, the lectures present the course content and stimulate the active participation of students by asking them to present a part of the course content assigned to them. The practical knowledge required by the course in obtained through computer practice. The student is required to do the project work on his own.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz odabranih oblasti digitalnih arhiva		2012

Table 5.2 Course specification

Course:		
Course id:	DRNI14	**Selected Chapters in Machine Learning**
Number of ECTS:	14	

Teachers:	Kovačević D. Aleksandar, Obradović J. Đorđe
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The objective of the course is the acquisition of knowledge in the field of machine learning and understanding the possibilities of implementation of machine learning techniques and methods in different fields.

2. Educational outcomes (acquired knowledge):

The student is able to develop new techniques and methods of machine learning and to implement the existing methods in different fields in a new and creative way.

3. Course content/structure:

Selected methods and techniques of machine learning. Selected problems whose solution requires the implementation of methods and techniques of machine learning. Examples of solved and unsolved problems. A part of the course work is conducted through independent individual research study work in the field of machine learning. The research study work requires the student`s active and constant interest in and reading of the primary scientific resources and, optionally, writing a paper in the field of machine learning.

4. Teaching methods:

Lectures, practical computer work, project work and tutorial work. Using the necessary didactic tools, the lectures present the course content and stimulate the active participation of students by asking them to present a part of the course content assigned to them. The practical knowledge required by the course in obtained through computer practice. The student is required to do the project work on his own.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	25.00			
Project task	Yes	15.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	C.M. Bishop	Pattern Recognition and Machine Learning	Springer	2006

Table 5.2 Course specification

Course:	
Course id: DRNI05	**Selected Topics in Software Standardization and Quality**
Number of ECTS: 14	

Teachers:	Perišić R. Branko, Luković S. Ivan, Malbaški T. Dušan, Okanović Đ. Dušan, Vidaković P. Milan
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses   None

1. Educational goal:

Students gain advanced knowledge in the field of research and the contemporary approaches in the software standardization and software quality.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of current approaches and solutions in the field of software standardization and software quality management, as well as various applications of contemporary approaches in the field of the development of software quality management systems, and their application in complex software systems.

3. Course content/structure:

Contemporary approaches and methods in the field of software quality system development. Standards in the field of the software system development and exploitation. Software quality management. Examples of practical applications. Independent study and research work in the field of contemporary approaches in software standardization and quality management. The analysis and active use of the primary research sources.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz oblasti standardizacije i upravljanja kvalitetom softvera		2012

Table 5.2 Course specification

Course:		Selected Topics in Advanced Computer Graphics			
Course id:	DRNI15				
Number of ECTS:	14				
Teacher:		Ivetić V. Dragan			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

The students are able to use the literature and conduct research in advanced computer graphics, with particular emphasis on cognitive graphics.

2. Educational outcomes (acquired knowledge):

The students are able to use the literature and conduct research in the field of Advanced Computer Graphics.

3. Course content/structure:

Detailed studies of 3D graphics pipeline. The internal architecture of a modern GPU. Advanced algorithms for simplifying a 3D mesh model. Vertex and pixel shaders. Advanced algorithms for projection and clipping (intersection test methods and collision detection). Culling algorithms. Advanced techniques for texturing and effects. Algorithms and data structures for accelerating graphics real-time rendering. Algorithms for image analysis and understanding.

4. Teaching methods:

Forms of teaching include lectures, practical work on computer, project development and consultations. During the lectures the content of the course is presented using the necessary didactic means and the active participation on the part of the students is ensured by assigning them the presentation of the selected topics. The practical aspect of the course is covered through work on computers. The students aer expected to develop an individual project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	različite grupe autora	Monografske publikacije i radovi iz oblasti napredne računarske grafike i obrade i analize slike		Različiti izdavači	2012

Table 5.2 Course specification

Course:		Selected Topics in Database Management
Course id:	DRNI04	
Number of ECTS:	14	
Teacher:		Luković S. Ivan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students gain advanced knowledge in the field of research and the contemporary approaches in databases.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of current approaches and solutions in the field of databases and database systems, as well as various applications of contemporary approaches in databases and database systems.

3. Course content/structure:

Contemporary approaches and methods in the field of the development and application of database systems. Advanced techniques of the application of contemporary database management systems. Examples of practical applications. Independent study and research work in the field of the database system development. The analysis and active use of the primary research sources.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz oblasti sistema za upravljanje bazama podataka i sistema baza podataka		2012

Table 5.2 Course specification

Course:		Selected Chapters in Real Time Systems Software		
Course id:	DRT01			
Number of ECTS:	14			
Teacher:		Popović V. Miroslav		
Course status:		Elective		
Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0
Precondition courses		None		

1. Educational goal:

Mastering contents in the area of system software support in real time.

2. Educational outcomes (acquired knowledge):

The ability of critical analysis of existing solutions and synthesis of the original solutions in the areas of system software support in real-time.

3. Course content/structure:

Overview of modern programming tools for software development. Overview of modern operating systems for real-time operations. Overview of modern programming working environment in rea- time. Review of modern environment for testing and verification of software support for real-time operations. Identification of possible directions for further research. Defining the topic and tasks. Implementation. Experiments.

4. Teaching methods:

Classes are held for the purpose of getting to know the current and possible new research directions through introductory lectures, the choice of topics and formulation of the task in cooperation with the mentor, making simulators, laboratory models and prototypes solutions in laboratory, a series of laboratory experiments aiming at collecting necessary data, writting paper, and reviewing by the subject teacher.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	grupa autora	Odabrani naučni radovi iz predmetne oblasti			nema

Table 5.2 Course specification

Course:		
Course id:	DRT05	**Selected Chapters of Computer Communications**
Number of ECTS:	14	
Teacher:		Bašičević V. Ilija
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

Introduction to some contemporary trends in the area of computer networks and computer communications in general.

2. Educational outcomes (acquired knowledge):

Students have foundation for research of some problems in the area of computer networks and computer communications in general.

3. Course content/structure:

The course covers technological foundations of contemporary computer communications. Part of course is realized through research that encompasses introduction to contemporary trends in computer networks.

4. Teaching methods:

Consultations. Student prepares exam work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	D. Komer	TCP/IP Internet		2005

Table 5.2 Course specification

Course:		Selected Chapters in television software			
Course id:	DRT04				
Number of ECTS:	14				
Teacher:		Teslić Đ. Nikola			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0
Precondition courses		None			

1. Educational goal:

Mastering the content in the field of software for digital TV and image processing

2. Educational outcomes (acquired knowledge):

The competence to critically analyze the existing solutions and synthesize the original solutions in the field of software design for digital TV and image processing.

3. Course content/structure:

Overview of architectures modern digital TV receivers . Overview of modern software architecture and technologies used in software design of TV receivers. Overview of modern test and validation environments. Identifying possible directions for further research. Defining the theme and the task. Realization. Experiments. Paper elaboration. Review and paper defense. Publishing the paper.

4. Teaching methods:

Lectures are elaborated through the introduction into current and possible new directions in research in introductory lectures, followed by the selection of the theme and formulation of the task in cooperation with the supervisor, the elaboration of a simulator, laboratory models and solution prototypes in the laboratory, a series of laboratory experiments with the task of gathering necessary data, paper elaboration, and the review by the lecturer.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	grupa autora	Odabrani radovi iz predmetne oblasti			2012

Table 5.2 Course specification

Course:		Selected chapters on DSP systems			
Course id:	DRT06				
Number of ECTS:	14				
Teacher:		Kovačević V. Jelena			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

Students learn about embedded systems in real time, based on processors with limited resources.

2. Educational outcomes (acquired knowledge):

Ability to analyze, design and implement real time DSP systems

3. Course content/structure:

Overview of DSP based systems. Overview of system level software for DSP systems. Overview of tools and environments for developing a DSP software. Overview of testing and verification environments for DSP systems. Identifications of possible research areas. Defining exams and topics. Implementation. Experiments.

4. Teaching methods:

Lectures, defining research topic and problems. Work with mentor. Implementation of simulators, laboratory models and prototypes. verification and testing. Writing papers. Mentor as reviewer.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Theoretical part of the exam	Yes	30.00
			Practical part of the exam - tasks	Yes	40.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vladimir Kovacevic, Miroslav Popovic, Miodrag Temerinac, Nikola Teslic	Arhitekture i Algoritmi Digitalnih Signal Procesora 1	FTN	2005
2,	Grupa autora	Odabrani naucni radovi iz predmetne oblasti		2012

Table 5.2 Course specification

Course:		
Course id:	DAU005	Selected Chapters in Optimization Methods
Number of ECTS:	14	

Teachers:	Jeličić D. Zoran, Rapaić R. Milan, Petrovački P. Dušan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Training students to get acquainted with the literature and active research work in nonlinear programming and dynamic optimization.

2. Educational outcomes (acquired knowledge):

A student is trained to actively monitor the scientific literature and research in the field of nonlinear optimization and dynamic programming.

3. Course content/structure:

Nonlinear programming. Dynamic optimization. Network optimization. Part of the teaching activity on the subject is done through independent research and study work in the field of optimization. Research and study work includes active monitoring of the primary sources of scientific, numerical simulations, optional writing paper from the field of optimization.

4. Teaching methods:

Lectures. Seminar papers. Consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vujanovic B. D., Atanackovic T.	An introduction to modern variational techniques in mechanics and engineering	Boston, Birkhauser	2004
2,	Dimitri P. Bertsekas	Nonlinear Programming, 2nd edition	Athena Scientific	1999

Table 5.2 Course specification

Course:		Selected Chapters in Modeling and Simulation of Dynamic Systems				
Course id:	DAU006					
Number of ECTS:	14					
Teachers:		Kecman M. Vojislav, Erdeljan M. Aleksandar, Čapko Lj. Darko, Vukmirović M. Srđan				
Course status:		Elective				

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

Training students to get acquainted with the literature and active research work in modeling, identification, simulation of dynamic systems.

2. Educational outcomes (acquired knowledge):

Student are trained to actively monitor the scientific literature and research in the field of modeling, identification, simulation of dynamic systems.

3. Course content/structure:

Modeling systems, partial differential equations, processes described by differential equations with real order, identification.
Part of the teaching activity on the subject is done through independent research and study work in the field of modeling and simulation of dynamic systems. Research and study work includes active monitoring of primary research resources, organization and execution of experiments, numerical simulations, possibly writing a paper on modeling and simulation of dynamic systems.

4. Teaching methods:

Lectures, consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	30.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vojislav Kecman	State Space Models of Lumped and Distributed Systems	Springer	1988
2,	Robert L. Woods, Kent L. Lawrence	Modeling and Simulation of Dynamic Systems	Prentice Hall; US Ed edition	1997
3,	Dean C.Karnopp,Donald L.Margolis,Ronald Rosenberg	System Dynamics: Modeling and Simulation of Mechatronic Systems	Wiley; 4 edition	2006
4,	grupa autora	Selektovani članci iz časopisa		nema

Table 5.2 Course specification

Course:		Selected Topics in Artificial Intelligence in Control and Signal Processing
Course id:	DAU007	
Number of ECTS:	14	

Teachers:	Kecman M. Vojislav, Kulić J. Filip, Bojanić M. Dubravka
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students should be acquainted with current literature and take part in active research work in artificial intelligence.

2. Educational outcomes (acquired knowledge):

Students should be acquainted with current literature and take part in active research work in artificial intelligence.

3. Course content/structure:

Neural Networks, Fuzzy Logic, Support Vector Machines.
Part of the teaching activity on the subject is done through independent research and study work in the field of artificial intelligence, in signal control and processing.
Research and study work includes active monitoring of primary research resources, organization and execution of experiments, numerical simulations, optional writing a paper on artificial intelligence, signal control and processing.

4. Teaching methods:

Lectures and consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vojislav Kecman	Learning and Soft Computing:SVM, Neural Networks, and Fuzzy Logic Models (Complex Adaptive Systems)	The MIT Press	2001
2,	Te-Ming Huang, Vojislav Kecman, Ivica Kopriva	Kernel Based Algorithms for Mining Huge Data Sets	Springer	2006
3,	Kishan Mehrotra,Chilukuri K.Mohan, Sanjay Ranka	Elements of Artificial Neural Networks	The MIT Press	1996
4,	grupa autora	selektovani članci iz časopisa		nema

Table 5.2 Course specification

Course:		Selected chapters in signals and systems		
Course id:	DAU012			
Number of ECTS:	14			
Teachers:		Kovačević -. Branko, Đurović -. Željko		
Course status:		Elective		

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The aim of the course is for students to master advanced techniques for classification and estimation of signals. This implies that they will be able to perform signal characterization in terms of modeling and stochastic modeling of signals in practical problems, which has its cause in nonlinear signal dynamics or measuring noise.

2. Educational outcomes (acquired knowledge):

Expected course outcome are the skills that students will acquire in terms of detection, modeling, parameter estimation and signal classification from different engineering fields of practice: in the field of video signals, audio signals, electric signals obtained from measuring devices and systems, etc.

3. Course content/structure:

Information processing is an important factor in various fields such as navigation, industry, agriculture, transport, communications, trade etc. The concept of an information processor includes measuring and acquisition system, data and signal processor, and measurement and converter systems for the information transmission in explicit form in the real world. Functional design of signal processors, as a part of an information device, is based on estimation and classification theory. The main difference between these two areas is the information type obtained as a result of processing. The classification output is discrete, i.e. a class, feature or category. In estimation problems that is real scalar or vector variable. Since such problems occur in both static and dynamic environment, estimation problem is used for dynamic events, which may be continuous or discrete in time. The similarity between these two areas allows unique methodology based on Bayes decision theory to be used. The course covers the mathematical foundations of this theory, and special emphasis will be placed to the practical aspects of the theoretical results. In the first part of the course the classification and estimation theory in the case of static and dynamic models which exactly and adequately describe the physical process will be considered. In the second part course will consider more realistic situations in which the model of the process is not fully understood and there is certain uncertainty or unmodeled dynamics. These models are obtained from experimental data or experimental data are directly used for classification and estimation algorithm training. Areas of application for this kind of methodology are different and include mechanical engineering, electrical engineering, construction management, engineering processes, environmental engineering, etc.

4. Teaching methods:

Consultation

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	B. Anderson, J. Moore	Optimal Filtering	Prentice Hall	1979
2,	K. Fukunaga	Introduction to statistical pattern recognition	Academic Press	1992
3,	Muhammad Sarfray	Intelligent recognition, Techniques and Applications	Wiley	2005
4,	S. Kay	Modern Spectral Estimation	Prentice Hall	1988
5,	J. Benesty, Y. Huang	Adaptive Signal Processing	Springer	2003
6,	S. Miller, D. Childers	Probability and random processes with applicattions in signal processing and communications	Elsevier Academic Press	2004

Table 5.2 Course specification

Course:		
Course id:	DRNI02	Selected Topics in Advanced Software Architecture
Number of ECTS:	14	
Teachers:		Luković S. Ivan, Atlagić S. Branislav, Surla I. Dušan, Milosavljević P. Branko, Ivanović V. Dragan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students gain advanced knowledge in the field of research and development of software architectures.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of various approaches and solutions in the field of software architectures, as well as the implementation and development of software architecture components to support complex information systems.

3. Course content/structure:

Selected software architectures and approaches in their development. Hardware and communication infrastructure to support the selected models of software architectures. Technologies for implementing software architectures. Examples of practical applications. Independent study and research work in the field of contemporary software architectures. The analysis and active use of the primary research sources.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	različiti autori	Monografske publikacije i naučni radovi iz oblasti softverskih arhitektura		2012

Table 5.2 Course specification

Course:		Selected Topics in Internet-Based Systems			
Course id:	DRNI03				
Number of ECTS:	14				
Teachers:		Milosavljević P. Branko, Vidaković P. Milan, Sladić S. Goran			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

Acquiring extended knowledge in the field of software systems based on Internet architecture and qualifying for design and implementation of specific applications.

2. Educational outcomes (acquired knowledge):

The capacity to follow technological development for design and implementation of complex information systems intended for global communications among participants of business processes.

3. Course content/structure:

Hardware, communication and software architecture of cooperative information systems. Technologies of cooperative information systems. COA architecture. Examples of complex COA architecture based systems. A part of course teaching is performed through individual research in the field of Internet-based systems. Research and study work include active monitoring of primary scientific sources, possible writing of paper in the field of Internet-based systems.

4. Teaching methods:

Teaching methods are: lectures, practical computer skills, project elaboration and consultation. Lectures are intended for presentation of course contents and stimulation of active participation using necessary didactical tools in such a way that the students are obliged to explain the contents being assigned to them. Practical work is performed by computer application. The student is obliged to elaborate the project alone.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Naučni radovi iz oblasti Internet tehnologija i SOA		2007

Table 5.2 Course specification

Course:		Preparation for the Application of Doctoral Dissertation Topic
Course id:	SID05	
Number of ECTS:	2	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	2	0

Precondition courses	None

1. Educational goal:

Overview of situation in the area of the proposed topic for doctoral dissertation based on the scientific literature analysis – books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. The objective is to overview the possibilities of the thesis and scientific potential of the topic.

2. Educational outcomes (acquired knowledge):

Study on the potentials of the proposed doctoral dissertation topic, i.e. the systematized knowledge in the area of the research topic for doctoral dissertation, as well as clear directions in further research on the topic.

3. Course content/structure:

Defining the wider area of the doctoral dissertation topic and key motives for research. Overview of literature on the basis of available scientific books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. Study on the potentials of the proposed doctoral dissertation topic.

4. Teaching methods:

Teaching is performed as tutorials.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	70.00	Oral part of the exam	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Priznati naučnici i stručnjaci iz oblasti teme Dr teze	Razna naučna dela		sve

Table 5.2 Course specification

Course:		Selected Topics in Digital Archives
Course id:	DRNI06	
Number of ECTS:	14	

Teachers:	Ivanović V. Dragan, Milosavljević P. Branko, Surla I. Dušan
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The objective of the course is the acquisition of knowledge in the field of digital document, digital library and digital archive management.

2. Educational outcomes (acquired knowledge):

The student is able to analyse the existing systems for digital documentation and to design new ones.

3. Course content/structure:

Digital document management standards. Digital document management systems. Digital document management technologies. Examples of digital document management systems.
A part of the course work is conducted through independent individual research study work in the field of Digital Archives. The research study work requires the student`s active and constant interest in and reading of the primary scientific resources and, optionally, writing a paper in the field of Digital Archives.

4. Teaching methods:

Lectures, practical computer work, project work and tutorial work. Using the necessary didactic tools, the lectures present the course content and stimulate the active participation of students by asking them to present a part of the course content assigned to them. The practical knowledge required by the course in obtained through computer practice. The student is required to do the project work on his own.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz odabranih oblasti digitalnih arhiva		2007

Table 5.2 Course specification

Course:		Selected Chapters in Computational Intelligence
Course id:	DRNI07	
Number of ECTS:	14	

Teachers:	Konjović D. Zora, Kovačević D. Aleksandar, Obradović J. Đorđe

Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The objective of the course is the acquisition of knowledge in the field of computer intelligence and understanding the possibilities of implementation of artificial intelligence techniques and methods in different fields.

2. Educational outcomes (acquired knowledge):

The student is able to develop new techniques and methods of computer intelligence and to implement the existing methods in different fields in a new and creative way.

3. Course content/structure:

Selected methods and techniques of computer intelligence. Selected problems whose solution requires the implementation of methods and techniques of artificial intelligence. Examples of solved and unsolved problems.
A part of the course work is conducted through independent individual research study work in the field of Artificial Intelligence. The research study work requires the student`s active and constant interest in and reading of the primary scientific resources and, optionally, writing a paper in the field of Artificial Intelligence.

4. Teaching methods:

Lectures, practical computer work, project work and tutorial work. Using the necessary didactic tools, the lectures present the course content and stimulate the active participation of students by asking them to present a part of the course content assigned to them. The practical knowledge required by the course in obtained through computer practice. The student is required to do the project work on his own.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	25.00	Oral part of the exam	Yes	50.00
Project task	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Monografske publikacije i naučni radovi iz odabranih oblasti računarske inteligencije		2007

Table 5.2 Course specification

Course:		Selected Topics in Electronic Business
Course id:	DRNI16	
Number of ECTS:	14	

Teachers:	Vidaković P. Milan, Sladić S. Goran
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students gain advanced knowledge in the field of research and development electronic business.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of various approaches and solutions in the field of electronic business, as well as the implementation and development of complex heterogeneous electronic business systems.

3. Course content/structure:

Standards in electronic business. Electronic business systems. Technologies for implementing electronic business systems. Development of complex heterogeneous electronic business systems. A part of the course work is conducted through independent individual research study work in the field of electronic business. The research study work requires the student's active and constant interest in and reading of the primary scientific resources and, optionally, writing a paper in the field of electronic business.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	različiti autori	Monografske publikacije i naučni radovi iz oblasti elektronskog poslovanja		2012

Table 5.2 Course specification

Course:		Selected Topics in ICT enhanced learning
Course id:	DRNI17	
Number of ECTS:	14	
Teachers:	Konjović D. Zora, Obradović J. Đorđe	
Course status:	Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Qualifying students for comprehensive and creative development of ICT powered systems in education.

2. Educational outcomes (acquired knowledge):

After successful course student has gained deep insight in problems and opportunities of contemporary education, especially those emerging from education globalization and ICT applications to education. Also she/he is qualified to design and implement complex software systems for ICT supported learning.

3. Course content/structure:

Theoretical foundations of curriculum. ICT and learning. EU research projects concerning TEL (Technology Enhanced Learning). Technologies of ICT supported learning. Electronic courses management. LMS (Learning Management System) structure, applications, and integration. eLearning and eKonowledge. Models for electronic courses management. TEL in Serbia.

4. Teaching methods:

Forms of teaching include: lectures, practical work on computers, developing projects, as well as consultations. During the lecture classes the content of the course is presented using the necessary didactic materials and stimulating the active participation through presentation of the assigned materials. The practical component is covered through computer work. The student is obliged to dvelop an independent project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer excersise defence	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	40.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Bloom, B., Engelhart, M., Furst, E., Hill, W., Krathwohl, D.	Taxonomy of Educational Objectives The Classification of Educational Goals	Cognitive Domain, Longmans	1958
2,	William F. Pinar	Understanding Curriculum	Peter Lang Publishing Inc. New York	2008
3,	Francisco Milton Mendes Neto, Francisco Vilar Brasileiro	Advances in Computer-Supported Learning	Idea Group Inc (IGI)	2007
4,	Različiti autori	Monografske publikacije i naučni radovi iz odabranih oblasti elektronski podržanog učenja		2012

Table 5.2 Course specification

Course:		Selected Topics in Information Systems
Course id:	DRNI08	
Number of ECTS:	14	

Teachers:	Luković S. Ivan, Perišić R. Branko, Milosavljević R. Gordana, Suvajdžin Rakić B. Zorica
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students gain advanced knowledge in the field of research and the contemporary approaches in the field of the development and exploitation of information systems.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge for the analysis of current approaches and solutions in the field of the development of information systems, as well as various applications of contemporary approaches to the information system development and its exploitation in complex business systems.

3. Course content/structure:

Contemporary approaches and methods in the field of the information system development. Issues in industry practice applications of information systems in various problem domains. Examples of practical applications. Independent study and research work in the field of contemporary approaches in the information system development and applications. The analysis and active use of the primary research sources.

4. Teaching methods:

Teaching is performed through: lectures, research work, completing a project, and consultations. Through the teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent research work and active participation in the whole lecturing process. Students are required to complete an individual project. Preparing a research paper from the course topics is appreciated.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Različiti autori	Naučni radovi iz oblasti metodologije projektovanja i tehnologija implementacije složenih informacionih sistema		2012

Table 5.2 Course specification

Course:		
Course id:	DRNI18	Selected Topics in Distributed/Mobile computing
Number of ECTS:	14	
Teachers:		Hajduković P. Miroslav, Ivetić V. Dragan, Obradović J. Đorđe, Gostojić L. Stevan, Vidaković P. Milan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The students are able to use the literature and conduct research in advanced distributed/mobile computing.

2. Educational outcomes (acquired knowledge):

The students are able to use the literature and conduct research in distributed/mobile computing.

3. Course content/structure:

Introduction to distributed and high-performance computing: communication media and protocols; programming models; higher level communication; storage and file problems; message passing standards; security, and scheduling.

4. Teaching methods:

Forms of teaching include lectures, practical work on computer, project development and consultations. During the lectures the content of the course is presented using the necessary didactic means and the active participation on the part of the students is ensured by assigning them the presentation of the selected topics. The practical aspect of the course is covered through work on computers. The students aer expected to develop an individual project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Theoretical part of the exam	Yes	50.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	različita grupa autora	Monografske publikacije i radovi iz oblasti naprednih distribuiranih/mobilnih sistema	različiti izdavači	2012

Table 5.2 Course specification

Course:		Selected Topics in Human Centered Computing
Course id:	DRNI09	
Number of ECTS:	14	
Teacher:		Ivetić V. Dragan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The students are able to use the literature and conduct research in the field of human–computer interaction in the broadest sense - Human Centered Computing: real-worlds entities and societies of agents, situation-aware assistance, adaptivity, interaction among users-tasks-location, communication channels, interaction devices and techniques, collaboration and shared reality, personalization and customizability. Special emphasis is put on the problems of evaluation of usability and contemporary interaction techniques concerning individual use, Computer Supported Cooperative Work (CSCW), stationary or hand held computers.

2. Educational outcomes (acquired knowledge):

The students are able to use the literature and conduct research in the field of Human Centered Computing.

3. Course content/structure:

Results and challenges of Human Centered Computing: infrastructure, societies of Agents - people and places, user preferences - utility functions - context - services, ethics, policy, usability engineering. Problems and solutions in the area of contemporary interactive computer systems – conventional systems, mobile systems, virtual systems. Computer Supported Cooperative Work system interaction. Part of the course is conducted through individual research and study work in the field of interaction. The study and research work is based on active study of primary scientific sources and possible paper in the field of interaction.

4. Teaching methods:

Forms of teaching include lectures, practical work on computer, project development and consultations. During the lectures the content of the course is presented using the necessary didactic means and the active participation on the part of the students is ensured by assigning them the presentation of the selected topics. The practical aspect of the course is covered through work on computers. The students aer expected to develop an individual project.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Rea A. Earnshaw Richard A. Guedj, Andries van Dam, John A. Vince (Eds)	Frontiers of Human-Centered Computing, Online Communities and Virtual Environments	Springer-Verlag London Limited	2001
2,	različiti autori	naučni radovi iz oblasti interakcije, HCC i upotrebljivosti	Različiti izdavači	2012

Table 5.2 Course specification

Course:			
Course id:	DRT07	Development and implementation of multimedia algorithms	
Number of ECTS:	14		
Teacher:		Temerinac R. Miodrag	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Develement methods for multimedia algorithms and their implementation on DSP platforms

2. Educational outcomes (acquired knowledge):

Capability of requirement analysis, development and implementation of multimedia algorithms

3. Course content/structure:

Analysis and categorization of multimedia algorithms. Theoretical background and development methodology for multimedia algorithms. Overview and systematization of DSP platforms. Algorithm implementation methods on DSP platforms. Comuter simulation tools and DSP implementation tools. Experiments. Writing and publishing of scientific papers.

4. Teaching methods:

Choice and analysis of scientific publications by adviser support. Solving of projects defined by adviser. practical lab works on experiments defined bz adviser support. Contributions on scientific conferences and writing of scientific publications.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	40.00
Term paper	Yes	30.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	group of authors	actual scientific publications		2012

Table 5.2 Course specification

Course:			
Course id:	DRT09	**Computational Intelligence Based Systems**	
Number of ECTS:	14		
Teacher:		Kukolj D. Dragan	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students will learn how to interpret massive amount of data and how to utilize generated knowledge from the data. These techniques of the processing and transmitting data in real time represents key mechanisms in contemporary 'smart' computational devices.

2. Educational outcomes (acquired knowledge):

Knowledge about massive amounts data modeling and processing. These techniques cover wide spectrum of the automatic learning algorithms and generation of high-performance computational models.

3. Course content/structure:

Review of the computational intelligence and its applications. Fuzzy systems and its applications. Cluster analysis. Data reduction algorithms. Artificial neural networks: types, learning algorithms, and applications. Solution space searching: evolution algorithms, particle swarm optimization, etc. Detail elaboration of a selected examples from industry.

4. Teaching methods:

Lectures. Tutorials. Consultations. The teaching is divided into two blocks. In the first block students attend theoretical classes. During the second block students work on tasks which comprise their examination papers.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	20.00
			Practical part of the exam - tasks	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dragan Kukolj	SISTEMI ZASNOVANI NA RAČUNARSKOJ INTELIGENCIJI	FTN Izdavastvo	2007

Table 5.2 Course specification

Course:		
Course id:	DRT08	**Selected Topics in Wireless Computer Communications**
Number of ECTS:	14	

Teacher:	Samardžija M. Dragan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Education in the field of wireless communication networks with emphasis on integrating cellular, local and sensor networks.

2. Educational outcomes (acquired knowledge):

Acquiring general theoretical and practical knowledge about problems and their solutions in wireless communication systems. Applications in consumer and industrial systems.

3. Course content/structure:

Basis of information transfer. PHY and MAC network level in WiFi and ZigBee standards. The differences and similarities. Interference, frequency channel selection, transmission distance and transmission speed problems. Relay routing problem, topology.
Integration with the Internet. IP and Ethernet networks and their connections with wireless systems.
Integration with cellular networks. The concept of cellular-sensory gateway. Overview of 3G and LTE.
Machine-to-machine (M2M) concept.
Geolocation information, GPS system and integration in communication systems.

4. Teaching methods:

Lectures. Projects.Numerical analysis and programming on experimental communication sensor systems.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dragan Samardžija	Skripte za ORM2, bežični sistemi		2012
2,	Fundamentals of Wireless Communications	David Tze and Pramod Vishvanath		2012

Table 5.2 Course specification

Course:		Selected chapters of embedded computer based systems
Course id:	DRT10	
Number of ECTS:	14	

Teacher:	Pap I. Ištvan

Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Learning advanced concepts of computer based embedded systems.

2. Educational outcomes (acquired knowledge):

Learning the most current standards and technologies of dedicated computer structures and ability to design such systems.

3. Course content/structure:

Theoretical bases of selected chapter in computer based embedded system. Technologies of embedded systems. The course is executed as standalone research activity in the field of embedded computer based systems. The research activity covers the analysis and practical utilization of current standards in field of embedded computer based systems.

4. Teaching methods:

Mentoring based work, standalone practical work, consultations, project implementation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	20.00	Oral part of the exam	Yes	30.00
Project	Yes	50.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Nije primenljivo	Odabrani naučni radovi iz predmetne oblasti	različiti izdavači	2012

Table 5.2 Course specification

Course:		Selected Chapters in Signal Processing in Biomedical Engineering
Course id:	DAU008	
Number of ECTS:	14	

Teachers:	Jorgovanović Đ. Nikola, Bojanić M. Dubravka
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The acquisition of knowledge in the field of advanced signal processing techniques, with particular emphasis on biomedical applications.

2. Educational outcomes (acquired knowledge):

Acquired knowledge used in the further education and in vocational subjects.

3. Course content/structure:

Processing of electrophysiological signals. Electrocardiography, electromyography, electroneurography, electroencephalography. Application of DFT, FFT, neural networks, wavelet transformation, FIR and IIR filters ...   A part of the course teaching is done through independent research and study work in the field of biomedical signal processing engineering. Research and study work include active monitoring of primary research resources, organization and execution of experiments, numerical simulations, writing of paper in the field of signal processing in biomedical engineering.

4. Teaching methods:

Lectures, computer exercises, consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	John G. Webster	Medical Instrumentation Application and Design	John Wiley & Sons, Inc	1998
2,	A. Cohen	Biomedical signal processing: Time and Frequency Domain Analysis	Boca Raton, Fla, CRC Press	1986
3,	A. Cohen	Biomedical signal processing: Compression and Automatic Recognition	Boca Raton, Fla, CRC Press	1986

Table 5.2 Course specification

Course:		Selected Chapters in Biomedical Instrumentation and Telemetry
Course id:	DAU009	
Number of ECTS:	14	
Teachers:		Jorgovanović Đ. Nikola, Bojanić M. Dubravka
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The acquisition of knowledge in the field of biomedical instrumentation and telemetry. Students should be acquainted with current literature and take part in active research work in the field of biomedical instrumentation and telemetry.

2. Educational outcomes (acquired knowledge):

Students should be acquainted with current literature and take part in active research work in the field of biomedical instrumentation and telemetry.

3. Course content/structure:

Basic concepts of medical instrumentation. Basic sensors and principles. Amplifiers. Biopotentials. Biopotential electrodes and amplifiers. Blood pressure and sound. Measurement of flow and volume of blood. Measurement of the respiratory sistem. Chemical biosensors. Clinical laboratory instrumentation. Medical imaging systems. Therapeutic and prosthetic devices (cardiac pacemaker, defibrillators and cardioverters, surgical instruments, hemodialysis...). Telemedicine: remote access to
health services and information. Telediagnostic, teleconsulting, telemonitoring, telecare. Standards for handling, storing, printing, and transmitting information, DICOM standard.

4. Teaching methods:

Lectures, consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Webster,J.G. (Ed.)	Medical Instrumentation, Application and Design	J. Wiley & Sons, Inc., New York	1995
2,	Webster,J.G. (Ed.)	Bioinstrumentation	John Wiley & Sons, Inc., New York	2003

Table 5.2 Course specification

Course:		
Course id:	DAU010	**Selected Chapters in Nonlinear Control Systems**
Number of ECTS:	14	
Teachers:		Jeličić D. Zoran, Rapaić R. Milan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

The objective of the course is to enable students to actively study the scientific literature and participate in the study research work in the field of Nonlinear Control Systems.

2. Educational outcomes (acquired knowledge):

The student is able to actively study the scientific literature and conduct the study research work in the field of Nonlinear Control Systems.

3. Course content/structure:

Nonlinear system characteristics. System stability. Nonlinear control systems.
A part of the course work is conducted through independent individual study and research work in the field of Nonlinear Control Systems. The research study work requires the student`s active and constant interest in and reading of the primary scientific resources, the organisation and conducting of experiments, numerical simulations and, optionally, writing a paper in the field of Nonlinear Control Systems.

4. Teaching methods:

Lectures, seminar paper, tutorial work. Research study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Hassan K. Khalil	Nonlinear Systems	Prentice Hall	2002
2,	grupa autora	odbarani radovi iz časopisa		nema

Table 5.2 Course specification

Course:		Selected Chapters in Geographic Information Systems and Technologies			
Course id:	DAU011				
Number of ECTS:	14				
Teachers:		Petrovački P. Dušan, Govedarica J. Miro			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
5	0	0	4		0

Precondition courses	None

1. Educational goal:

The objective of the course is to enable students to actively study the scientific literature and participate in the s research work in the field of Geographic Information Systems and Technologies.

2. Educational outcomes (acquired knowledge):

The student is able to actively study the scientific literature and conduct the study research work in the field of Geographic Information Systems and Technologies.

3. Course content/structure:

Importance and role of geographic information systems (GIS). Spatial data infrastructure (SDI). Spatial reference systems. Spatial data acquisition. GNSS, photogrammetry, remote sensing. Modelling of spatial entities, angle models, geometry, spatial topology and topography. Decomposition of spatial elements. Architecture of GIS systems. Spatial data bases. Interpretation and presentation of spatial data. Mapping and visualisation. Standardisation in the field of Geographic Information Systems and Technologies – OpenGis, ISO TC211. Implementation of GIS technologies in different fields. Mechanisms of spatial data exchange. XML, GML, LandXML. Geometry scheme, topology scheme, topography scheme. Exchange datum. Geoportals. Architecture of geo-portals. A part of the course work is conducted through independent individual research study work in the field of Geographic Information Systems and Technologies. The research study work requires the student`s active and constant interest in and reading of the primary scientific resources, the organisation and conducting of experiments, numerical simulations and, optionally, writing a paper in the field of Geographic Information Systems and Control.

4. Teaching methods:

Lectures, seminar paper, tutorial work. Research study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Theoretical part of the exam	Yes	70.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Odabrana poglavlja iz oblasti geoinformacionih tehnologija i sistema		2007
2,	Keith R McCloy	Resource Managament Information Systems	Taylor Francis	2006
3,	Grupa autora	Časopisi sa liste Kobson-a i doktorske disertacije iz oblasti		2012

Table 5.2 Course specification

Course:			
Course id:	DAU018		**Selected Chapters in Distributed Control Systems**
Number of ECTS:	14		
Teachers:		Erdeljan M. Aleksandar, Čapko Lj. Darko, Vukmirović M. Srđan, Čongradac D. Velimir	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Training students to get acquainted with the literature and active research work in distributed control systems.

2. Educational outcomes (acquired knowledge):

Student are trained to actively monitor the scientific literature and research in the field of distributed control systems.

3. Course content/structure:

Modeling systems, characteristics and development of systems. Part of the teaching activity on the subject is done through independent research and study work in the field of distributed control systems. Research and study work includes active monitoring of primary research resources, organization and execution of experiments,possibly writing a paper on distributed control systems.

4. Teaching methods:

Lectures, consultations. Research and study work.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	30.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Aleksandar Erdeljan	Štampani materijal koji pokriva predmet Distribuirani upravljački sistemi		2005
2,	Andrew Tanenbaum, Maartin Van Steen	Distributed systems - Principles and Paradigms		2007
3,	-	Radovi iz časopisa međunarodnog značaja		2012
4,	-	Radovi sa domaćih i međunarodnih konferencija		2012

Table 5.2 Course specification

Course:		Selected Topics from Totally Integrated Automatic Control Systems
Course id:	DAU017	
Number of ECTS:	14	

Teachers:	Kulić J. Filip, Čongradac D. Velimir
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses	None

1. Educational goal:

Students gain theoretical and practical knowledge about automation of office-residential buildings.

2. Educational outcomes (acquired knowledge):

The acquired knowledge can be used in solving concrete engineering problems and practical applications in building automation field.

3. Course content/structure:

Standards in the field of office / residential buildings automation. DCS architecture in building automation systems. Introduction to the mathematical models of the major subsystems of heating-cooling and air conditioning in modern commercial / residential buildings. Control of HVAC systems in office and residential buildings. Lighting in office and residential buildings. The application of modern automation methods in order to increase the energy efficiency of office/residential buildings.

4. Teaching methods:

Lectures, computer and laboratory practice, consultations. The theoretical part of the course is evaluated through oral exam where students answer problem questions. The oral part of the exam is worth up to 30 points and based on a set of exam questions. The practical part of the exam is taken in computer laboratory (colloquium and exam) and through homework assignments. The final grade is formed on the bases of the quality of homework assignments and computer assignments and the oral part of the exam.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	30.00
			Practical part of the exam - tasks	Yes	40.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	G. J. Levermore	Building energy management systems	Department of building engineering UMIST	2008
2,	Roger W. Haines Douglas C. Hittle	Systems for heating, ventilating and air conditioning	Springer	2008

Table 5.2 Course specification

Course:		
Course id:	SID01	Doctoral Dissertation (Theoretical Bases)
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	20	0

Precondition courses	None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge, methods and contemporary knowledge from the magazines from the SCI list in order to solve concrete problems within the courses at Doctoral studies.

2. Educational outcomes (acquired knowledge):

Enabling students to individually connect the contents from the courses at Doctoral studies, apply previously acquired as well as new knowledge for observing the structure of the set problems and its systematic analysis in order to elaborate conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge and utilizing new methods individually and creatively, they use new knowledge in solving the set problems.

3. Course content/structure:

It is formulated individually in accordance with further research. Students read scientific literature, and perform analyses in order to find solutions for a concrete task which is defined by setting the task on the side of the supervisor and other lecturers at Doctoral studies. Theoretical bases present a classification examinations. Students are prepared to take the classification examination.

4. Teaching methods:

Student`s co-supervisor sets the seminar paper task and delivers it to the student. The student has the obligation to elaborate the paper within the set theme defined by the paper task, utilizing the literature proposed by the co-supervisor. During the paper elaboration, the co-supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality paper. During the study research work, the student has tutorials with the co-supervisor and course lecturers, and if needed, with other lecturers dealing with the problems in the field of the set paper task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is necessary for the task. After the defence of the paper, the candidate has to pass the oral examination in the field of the passed examinations, in front of a committee. If the examination is

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		
Course id:	SID02	Doctoral Dissertation – Study and Research
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	30	0

Precondition courses	None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobson		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research
Course id:	SID03	
Number of ECTS:	10	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	10	0

Precondition courses	None

1. Educational goal:

The continuation of study and research from previous semester. The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Thesis - Realization and Defence of Thesis
Course id:	DZR03	
Number of ECTS:	20	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	0	20

Precondition courses	None

1. Educational goal:

Acquiring knowledge about structure and form of writing the dissertation report after analysis, and other activities carried out within the assigned theme of Doctoral dissertation. By writing the Doctoral dissertation, students gain experience in writing papers within which it is necessary to describe the problem, implement methods and procedures and obtained results, as well as to give new scientific contribution to the science development and to the application of the scientific research in practice. In addition, the objective of writing and defense of the Doctoral dissertation is to develop student skills for independent paper preparation in a suitable form for the purpose of public presentation, as well as to respond to comments and questions related to the given topic.

2. Educational outcomes (acquired knowledge):

Training students for a systematic approach in solving the given problems, carrying out analyses, applying knowledge and accepting knowledge from other areas in order to find creative solutions for a given problem. Through independent studying and solving tasks in a given topic, they acquire the knowledge about the complexity of the problems in the field of their profession. Through elaboration of Doctoral dissertation, students gain certain experiences that can be applied in practice when solving problems in the field of their profession. The student acquires necessary experience on how to present the results of independent or team work in practice by preparing the results for public defense, by public defense, and by answering questions and complaints of the Commission.

3. Course content/structure:

It is individually formed in accordance with the needs and the field covered by a given Doctoral dissertation. In agreement with a mentor, a student makes the Doctoral dissertation in a written form in accordance with the rules provided by the Faculty of Technical Sciences. The student prepares and defends the written Doctoral dissertation in public, in agreement with the mentor and in accordance with the prescribed rules and procedures.

4. Teaching methods:

During the elaboration of the Doctoral dissertation, the student consults with his/her mentor, and if necessary with other teachers dealing within a sphere of the Doctoral dissertation. The student writes the Dcotoral dissertation, and submits the bound copies to the Commission upon the approval of the Commission for assessment and defense. The Defense of the Doctoral dissertation is performed in public, and after the presentation, the student is obliged to orally answer the questions and comments.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Writing the PhD thesis	Yes	50.00	PhD thesis defence	Yes	50.00

Standard 06.   Programme Quality, Contemporaneity and International Compliance

The Study Programme is consistent with the modern world`s scientific developments and the status of the profession, and comparable to similar programmes in foreign higher education institutions.

Computing and Control Engineering Study Programme is designed as complete and comprehensive and offers students the latest scientific and technical knowledge in this area and follows the new achievements in science.

Computing and Control Engineering Study Programme is comparable to and in compliance with:

http://www.et-inf.uni-hannover.de/index.php?id=info-foreign-students#c449
http://www.eecs.mit.edu/grad/index.html
http://www.ece.ucsb.edu/grad.shtml
http://www.ece.rutgers.edu/degree/grad/grad_course.html
http://www.ece.ucy.ac.cy/en/postgraduate/coursedescription.html

The Study Programme is formally and structurally consistent with the adopted subject to specific standards for accreditation and conformity with European standards in terms of enrolment, length of study, conditions of transition to next year`s graduation and method of study.

Standard 07. Student Enrollment

In accordance with social needs and its resources, the Faculty of Technical Sciences enrolls a number of students to the Doctoral Academic Studies at the Department of Computing and Control Engineering either to the budget financing of studies or self-financing which is each year defined by a special decision of Educational-Scientific Council of the Faculty. Student Enrolment in doctoral studies is carried out by the Commission for enrolment.

Candidates who have completed appropriate master academic studies and whose total schooling is worth at least 300 ECTS gain right for enrollment to this study program as defined in Regulations on Enrolment of Students to Study Programmes.

Committee for enrollment for doctoral studies evaluates for all applied candidates the study programme which they completed and decides whether the candidates will be enrolled or not.

Candidates who have completed appropriate study programme can enroll into this study programme. Committee for evaluation decides whether the candidates who gained right for enrollment are obligated to take entering exam. If Committee for quality control decides that examination has to be taken, candidates take the entering exam: tests in the field of study programme.

The selection and enrolment of the applied candidates is based on their success during the previous education, duration of their studies and entrance examination as defined by the Regulations on Enrolment of Students to Study Programmes.

In some exceptional situations enrolment may be allowed to other candidates taking differential exams. The decision on taking differential exams including the character of differential exam is made by the Commission for the enrolment of the study programme. Taking into account the grade point average and the length of the studies, published scientific and vocational papers, Commission for the enrolment forms a rank list of candidates. Commission for enrolment may decide to make additional knowledge checks of candidates through qualifying examination.

Members of the Council of doctoral studies are at the same time members of the Committee for enrollment for new level of studies in accordance with Regulations of enrollment of students on study programmes.

Standard 08.   Student Evaluation and Progress

The final grade in each course included in this programme is formed by continual monitoring of students` accomplishments throughout the academic year and by passing the final examination. Students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course within the programme is worth a certain number of ECTS credits which students obtain by successfully passing the course examination.

The number of ECTS credits is based on the quantity and quality of work students are required to submit during a certain course and on the Faculty of Technical Sciences` unique methodology for all study programmes. Students` success in mastering a certain course is constantly monitored during classes and is expressed in points. Maximum number of points obtained in a course is 100.

Students obtain points from a course through their work during classes, completion of the prerequisites and taking the examination. The minimal number of points a student can obtain by fulfilling the course prerequisites during classes is 30, the maximum 70. Each course at the study programme has a clear and transparent mode of obtaining points. There are several ways students can obtain points: by participating in different activities during classes, by fulfilling the course prerequisites and by passing the course examination.

The final success of students at a course is presented with a grade from 5 (fail) to 10 (excellent). The student`s grade is based on the overall number of points obtained on fulfilling prerequisites and taking the examination, and in accordance with the quality of acquired knowledge and skills. Doctoral study program examinations can be taken up to three times.

Additional requirements for taking the examination are defined separately for every course.

Studying at the study programme is carried out in the following way:

The Head of the Study Programme (the study group), upon admission, assigns for every student a co-mentor from the existing teaching stuff at the study programme, who will be their councilor until they choose a mentor. At the end of each semester, the co-mentor submits to the Head of the Study Programme a report on the student`s work at a research project and the achieved results.

The right to take the qualifying exam in order to be able to write and defend the doctoral dissertation (a research study of the theoretical framework for the doctoral thesis) is given to students who have completed the second year of studies and passed all the examinations within the study programme, 3 academic years after their admission into the programme at the longest, and with a relative average grade no lower than 8.00 (eight 00/100). The students who do not fulfill the requirements to take the doctoral thesis theoretical framework exam are given a chance, after accrediting all the previously passed exams, to continue the studies at the Specialist Academic Studies.

The research study on the Theoretical Framework for the Doctoral Dissertation is a qualifying examination the student has to pass before he is allowed to start writing the doctoral thesis. The Theoretical Framework exam is taken in written or oral form, by chapters (questions) in at least three courses of the study programme. The list of chapters (questions) that have to be studied for the qualifying exam are sent to the student by the Head of the Study Programme of the Doctoral Studies within 14 days after the student submits a request.

The final part of doctoral studies is the preparation and defense of a doctoral dissertation.

Standard 09. Teaching Staff

For the realization of the study programme Computing and Control Engineering, there is teaching staff with necessary professional and scientific qualifications, verified by the list of scientific papers and data on participation in national and international scientific and research projects. At least half of teachers participate in scientific and research projects. Teachers` competence is determined on the basis of scientific papers published in international magazines, where at least one paper has been published or accepted to be published in a magazine from the SCI list; scientific papers published in national magazines; papers published in proceedings from international scientific conferences; monographs; patents; textbooks; new products or significant improvements on the existing products.

The supervisor has at least five scientific papers published or accepted to be published in scientific magazines on the given field. It has been established that a supervisor cannot lead more than five Doctoral dissertation candidates simultaneously. The selection of a supervisor is determined in such a manner that each supervisor ought to have at least five papers published in the magazines from the SCI list The number of teachers coincides with the demands of the study programme and depends on the number of courses they lecture and the number of classes at these courses. The total number of teachers is sufficient to cover the total number of classes on the study programme, so each teacher has an average of 180 active classes (lectures, tutorials, practice classes, field classes) per year, i.e. 6 classes per week. Out of the total number of necessary teachers, all 100% are full time employed. A minimal number of teachers participating in the given study programme with full time employment is five.

Scientific and professional qualifications of the teaching staff relate to the educational and scientific field and the level of their participation. Each teacher has at least 10 references from the narrow scientific or professional field in which they lecture on the study programme.

No teacher has more than 12 classes per week. All data on teachers and assistants (CV, selections, and references) are available to the public.

Science, arts and professional qualifications

Name and last name:	Adžić Z. Nevenka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.09.1978
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1986	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG10	Mathematical Methods 3	(G00) Civil Engineering, Undergraduate Academic Studies
4.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
5.	S017	Mathematics 2	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0213	Mathematical Statistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
12.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
13.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
14.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
15.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
16.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
17.	D0M24	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649.
2.	V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of computer mathematics, Vol.39, (1991) 229-238.
3.	N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<eng>
4.	N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.
5.	N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871.
6.	N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555.
7.	N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM78 (1998), S853-S854
8.	Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S882
9.	N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S851-S852
10.	N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Atanacković M. Teodor
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.03.1975
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	1988	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1974	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1973	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1969	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A237	Material Resistance	(A00) Architecture, Undergraduate Academic Studies
2.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
3.	A002S	Scientific Research Method	(A00) Architecture, Specialised Academic Studies (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
4.	DAU003	Selected Chapters in Mechanics	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
5.	DZ001	Scientific Research Method	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
6.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
7.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies
			(AS0) Scenic Design, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1.	T. M. Atanackovic, Stability Theory of Elastic Rods. World Scientific, 1997.
2.	T. M. Atanackovic, A. Guran, Theory of Elasticity for Scientists and Engineers. Birkhauser, 2000..
3.	B. D Vujanovic, T. M. Atanackovic, An Introduction to Modern Variational Techniques in Mechanics and Engineering. Birkhauser, Boston 2004..
4.	T.M. Atanackovic, Stability of a Compressible Elastic Rod with Imperfections. Acta Mechanica. 76, 203?222 (1989)..
5.	T.M. Atanackovic and M. Achenbach, Moment-curvature relations for a pseudoplastic beam. Continuum Mech. Thermodyn. 1, 73-80 (1989)...
6.	T.M. Atanackovic and I. Müller, A New form of ther Coherency Energy in Pseudoelasticity. Meccanica, 30, 467-474 (1995).
7.	T. M. Atanackovic, Optimal shape of column with own weight: bi and single modal optimization. Meccanica 41, 173-196 (2006).
8.	T. M. Atanackovic, S. Pilipovic, D. Zorica, Diffusion wave equation with two fractional derivatives of different order. J. Phys. A: Math. Theor. 40, 5319-5333 (2007).
9.	T. M. Atanackovic, Optimal shape of an elastic rod in flexural – torsional buckling. Z. Angew. Math. Mech.(ZAMM) 87, No. 6, 399 – 405 (2007).
10.	T. M. Atanackovic and B. N. Novakovic, Optimal Shape of an elastic column on elastic foundation. European J. Mechanics, A/Solids, 25, 154-165 (2006).

Summary data for teacher's scientific or art and professional activity:

Quotation total :	220			
Total of SCI(SSCI) list papers :	120			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Atlagić S. Branislav
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	07.01.1985
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2011		Computer Engineering and Computer Communication
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1996	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1984	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E230	Logic Design of Computer Systems 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	RT49	Real Time Software 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	RT49A	Real Time Software 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
4.	ESI006	Introduction to critical mission software for power grids	(ES0) Power Software Engineering, Undergraduate Academic Studies
5.	ESI009	Smart Grid Communication Protocols	(ES0) Power Software Engineering, Undergraduate Academic Studies
6.	ESI019	Critical mission software for power grids	(ES0) Power Software Engineering, Undergraduate Academic Studies
7.	RT58	Dedicated Computer Structure Design 2	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
8.	ESI025	Simulation of Power Greed critical mission systems	(ES0) Power Software Engineering, Master Academic Studies
9.	ESI033	Advanced Power Grid Communication Protocols	(ES0) Power Software Engineering, Master Academic Studies
10.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Udžbenik "Logičko projektovanje računarskih sistema II", V.Kovačević, B.Atlagić, FTN 2007/2009.
2.	M.Popovic, B.Atlagic, V.Kovacevic, "Case study: a maintenance practice used with real-time telecommunications software", Journal of Software Maintenance and Evolution, John Wiley and Sons Ltd, March-April issue, 2001.
3.	D.Kukolj, M.Berko-Pušić, B.Atlagić, "Experimental Design of Supervisory Control Functions Based on Multylayer Perceptron", Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 15(5) 2001, pp. 425-431.

	Representative refferences (minimum 5, not more than 10)
4.	D.Kukolj, B.Atlagic, M.Petrov, "Data clustering using a re-organizing neural network", Taylor & Francis Inc., Cybernetics and Systems, An Int. Journal, Vol. 37, No. 7, 2006, pp. 779-790.
5.	Generalizovani akviziciono upravljački sistem - GAUS
6.	B.Atlagic, M.Sagi, D.Milinkov, S.Culaja, B.Bogovac, "A way towards efficiency of SCADA infrastructure", ECBS 2012, Novi Sad 2012.
7.	B.Atlagic, D.Milinkov, M.Sagi, B.Bogovac, "High-Performance Networked SCADA Architecture For Safety-Critical Systems", ECBS-EERC 2011, Bratislava.
8.	B.Atlagic, V.Mihić, T.Maruna, "A Methodology for Specification and Development of Control Code in Industrial DCS Application", XIV International Conference on Systems Science, Wroclav 2001.
9.	B.Atlagic, M.Sagi, D.Milinkov, B.Bogovac, S.Culaja, "Model-based approach to the Development of SCADA applications" , The 9th IEEE Workshop on Model-Based Development for Computer-Based Systems, Novi Sad 2012.
10.	B.Atlagic, D.Kukolj, V.Kovacevic, M.Popovic, "Application development environment of an integrated SCADA system", EUROCON 2003, Ljubljana 2003.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Bašičević V. Ilija	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Computer Engineering and Computer Communication	

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Computer Science

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E23B	Fundamentals of Computer Networks 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E23B1	Computer Network Fundamentals 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	RT41	Intercomputer Communications and Computer Networks 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
4.	DRT05	Selected Chapters of Computer Communications	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	I. Basicevic, M. Popovic, "Use of SIP in the Development of Telecom Services - A Case Study", "The Journal of the Institute of Telecommunications Professionals", 2008, Vol. 2, Part 3, ISSN 1447-4739.
2.	I.Basicevic, M. Popovic, V. Kovacevic, "Use Of Publisher-Subscriber Design Pattern in Infrastructure of Distributed IDS Systems", ICNS 2007, Athens, Greece, June 19-23, 2007
3.	I.Basicevic, M. Popovic, D. Kukolj, "Comparison of SIP and H.323 Protocols", ICDT 2008, Bucharest, Romania, June 29- July 5, 2008.
4.	M. Popovic, I.Basicevic, V.Vrtunski, "A Task Tree Executor: New Runtime for Parallelized Legacy Software", ECBS 2009, San Francisco, USA, April 14-16, 2009.
5.	Bašičević I., Popović M.: Session Initiation Protocol, Encyclopedia of Internet technologies and applications, Editors Mario Freire and Manuela Pereira, IGI Global, Hershey, Pennsylvania 17033, USA, 2008, ISBN 978-1-59140-993-9
6.	Popović M., Bašičević I.: Test case generation for the task tree type of architecture, Information and Software Technology, Elsevier, 2010, Vol. 52, No 6, pp. 697-706, ISSN 0950-5849
7.	Popović M., Kuprešanin I., Bašičević I.: Generic method for statistical testing of parallel programs based on task trees, Scientific Research and Essays, 2012, Vol. 7, No 11, pp. 1992-2248, ISSN 1992-2248
8.	Bašičević I., Kukolj D., Popović M.: On the Application of Fuzzy-based Flow Control Approach to High Altitude Platform Communications, DOI 10.1007/s10489-009-0190-y, Applied Intelligence, 2010, ISSN 1573-7497
9.	Popović M., Bašičević I.: Formal verification of embedded software based on software compliance properties and explicit use of time, International Journal of Computers, 2011, Vol. 5, No 3, pp. 423-430, ISSN 1998-4308
10.	Bašičević I., Popović M.: Operational profiles for Statistical Testing of Distribution Management System, INFOCOMP Journal of Computer Science, 2011, Vol. 10, No 2, pp. 8-16, ISSN 1807-4545

Summary data for teacher's scientific or art and professional activity:

Quotation total :	10			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Bojanić M. Dubravka
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	24.06.2003
Scientific or art field:	Automatic Control and System Engineering - biomedicine

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering - biomedicine
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1998	School of Electrical Engineering - Beograd	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AU42	Technical Equipment for Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	AU43	Fundamentals of Biomedical Engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	AU47	DSP Applications in Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	AU49	Methods of Medical Image Forming and Analysis	(E20) Computing and Control Engineering, Undergraduate Academic Studies
5.	AUN43	Biomedical Engineering Technologies	(E20) Computing and Control Engineering, Undergraduate Academic Studies
6.	GI007	Digital Signal Processing in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	BMI112	Biomedical engineering in sport physiology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI113	Neuroengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI114	Neural Prosthesis	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI122	Neurorehabilitation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	BMI124	System Modeling and Simulation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
12.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	E2314	Microprocessor Based Control Devices	(E20) Computing and Control Engineering, Undergraduate Academic Studies
14.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
15.	SEAU05	DSP Applications in Control Systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	SEAU07	Signals and systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
17.	SEAU08	Microprocessor Based Control Devices	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
18.	AU503	Methods of Analysing Electrophysiological Signals	(E20) Computing and Control Engineering, Master Academic Studies
19.	AU504	Movement Control	(E20) Computing and Control Engineering, Master Academic Studies
20.	AU505	Neural Prostheses	(E20) Computing and Control Engineering, Master Academic Studies
21.	AU507	Principles of Biomedical Engineering	(E20) Computing and Control Engineering, Master Academic Studies
22.	AU508	Information Flow in Medicine	(E20) Computing and Control Engineering, Master Academic Studies
23.	BMIM3A	Biophysiological systems modelling	(BM0) Biomedical Engineering, Master Academic Studies
24.	BMIM3C	Functional Electrical Therapy	(BM0) Biomedical Engineering, Master Academic Studies
25.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
26.	SEAM04	Soft Sensors	(SE0) Software Engineering and Information Technologies, Master Academic Studies
27.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
28.	DAU008	Selected Chapters in Signal Processing in Biomedical Engineering	(E20) Computing and Control Engineering, Doctoral Academic Studies
29.	DAU009	Selected Chapters in Biomedical Instrumentation and Telemetry	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Popovic-Bijelic A., Bijelic G., Jorgovanović N., Bojanić D., Popović M., Popović D.: Multi-field surface electrode for selective electrical stimulation   , Artificial Organs, 2005, Vol. 29, No 6, pp. 448-452, ISSN 0160-564X

2. Čongradac V., Bojanić D., Čapko D.: Algorithm for blinds control based on the optimization of blind tilt angle using a genetic algorithm and fuzzy logic, Solar Energy, 2012, Vol. 86, No 9, pp. 2762-2770, ISSN 0038-092X

3. Bojanić D., Petrovački-Balj B., Jorgovanović N., Ilić V.: Quantification of dynamic EMG patterns during gait in children with cerebral palsy, Journal of Neuroscience Methods, 2011, No 198, pp. 325-331, ISSN 0165-0270

4. Popovic, M.B., Jorgovanovic, N., Bijelic, G., Bojanic, D., Popovic, D.B., Synergistic Control of Grasping and Releasing In Humans with Paralysis, Proc of REDISCOVER 2004 Southeastern Europe, USA, Japan and European Community Workshop on Research and Education in Control and Signal Processing, June 14-16, 2004, Cavtat, Croatia, pp 86-89.

5. Bijelic, G., Jorgovanovic, N., Bojanic, D., Popovic-Bijelic, A., Popovic, D.B., Actitrode – a selective Array Electrode: A Tool to Generate Grasp and Release by Surface Electrical Stimulation, MEDICON, Ischia, July 31-August 5, 2004.

6. Popovic-Bijelic, A., Bijelic, G., Jorgovanovic, N., Bojanic, D., Popovic, D.B., Popovic, M.B., Multi-field surface electrode for selective electrical stimulation, Proc 8th Vienna Workshop on FES, Sep 10-13, 2004., pp 195-198

7. Bojanić D., Petrović R., Jorgovanović N., Popović D.: Dyadic Wavelets for Real-time Heart Rate Monitoring, 8. NEUREL - Symposium on Neural Network Applications in Electrical Engineering, IEEE, belgrade, 25-27 Septembar, 2006, pp. 133-136, ISBN 1-4244-0432-0

8. Bojanic, D., Popovic, D.B., "QRS detection from an ongoing ECG recordings by using dyadic wavelets", 2nd European Medical and Biological Engineering Conference, Vienna, December, 2002.

9. Bojanić D.: Razvoj ekspertnog sistema za interpretaciju elektrofizioloških signala, Doktorska disertacija, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, januar 2012.

10. Bojanić Dubravka, "Detekcija QRS kompleksa u EKG signalu korišćenjem dyadic wavelet transformacije", Magistarska teza, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, februar 2003.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	62			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Budinski-Petković M. Ljuba
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1989
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2009		Physics
PhD thesis	1998	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1996	Faculty of Physics - Beograd	Physics
Bachelor's thesis	1988	Faculty of Sciences - Novi Sad	Physics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
2.	H101	Physics	(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
3.	IAFI01	Colors and Light	(F10) Engineering Animation, Undergraduate Academic Studies
4.	BMI93	Physics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Budinski-Petković Lj., Lončarević I., Petkovic M., Jaksic Z., Vrhovac S.: Percolation in random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2012, Vol. 85, No 061117, pp. 1-8
2.	Šćepanović J., Lončarević I., Budinski-Petković Lj., Jakšić Z., Vrhovac S.: Relaxation properties in a diffusive model of k-mers with constrained movements on a triangular lattice, Physical Review E, 2011, Vol. 84, No 031109, pp. 1-13
3.	Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S., Švrakić N.: Simulation study of anisotropic random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2011, Vol. 84, No 5, pp. 5160-1

	Representative refferences (minimum 5, not more than 10)
4.	Lončarević I., Budinski-Petković Lj., Vrhovac S., Belić A.: Generalized random sequential adsorption of polydisperse mixtures on a one-dimensional lattice, Journal of Statistical Mechanics: Theory and Experiment, 2010, ISSN 1742-5468
5.	Lončarević I., Budinski-Petković Lj., Vrhovac Lj., Belić A.: Adsorption, desorption, and diffusion of k-mers on a one-dimensional lattice, Physical Review E, 2009, Vol. 80, No 2
6.	Budinski-Petković Lj., Vrhovac S., Lončarević I.: Random sequential adsorption of polydisperse mixtures on discrete substrates, Physical Review E, 2008, Vol. 78, No 061603, pp. 1-7
7.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Simulation study of random sequential adsorption of mixtures on a triangular lattice , The European Physical Journal E, 2007, Vol. 24, pp. 19-26, ISSN 1292-8941
8.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Reversible random sequential adsorption of mixtures on a triangular lattice, Physical Review E, 2007, Vol. 76, No 031104, pp. 1-9
9.	Arsenović D., Vrhovac S., Jakšić Z., Budinski-Petković Lj., Belić A.: Simulation study of granular compaction dynamics under vertical tapping, Physical Review E, 2006, Vol. 74
10.	Lj. Budinski-Petković and S. B. Vrhovac: Memory effects in vibrated granular systems: Response properties in the generalized random sequential adsorption model, The European Physical Journal E, 2005, Vol. 16, pp. 89-96, ISSN 1292-8941

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	75			
Total of SCI(SSCI) list papers :	30			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Čapko Lj. Darko
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	25.01.1999
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E232	System Modeling and Simulation	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	H213	System Modelling and Simulation 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies
3.	BMI124	System Modeling and Simulation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	E2312	Software design for SCADA systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	ESI013	Multi-tier applications development in power systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
6.	ESI020	Data structures and algorithms in power systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
7.	SEAU02	SCADA Software	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
8.	SEAU09	Software design of SCADA systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	AU502	Distributed Control Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	BMIM3D	Development of integrated biomedical systems	(BM0) Biomedical Engineering, Master Academic Studies
11.	E2533	Discrete event simulation	(E20) Computing and Control Engineering, Master Academic Studies
12.	E2535	Software Algorithms in Supervisory Control and Data Acquisition Systems	(E20) Computing and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
13.	ESI024	Applied algorithms in power systems	(ES0) Power Software Engineering, Master Academic Studies
14.	ESI034	Multi-tier applications development in Smart Grids	(ES0) Power Software Engineering, Master Academic Studies
15.	SEAM06	Integration of Distributed Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	DAU006	Selected Chapters in Modeling and Simulation of Dynamic Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DAU018	Selected Chapters in Distributed Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
18.	ZRD25A	Selected chapters from Artificial Ingeligence	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N., „Optimization of workflow scheduling in Utility Management System with hierarchical neural network", International Journal of Computational Intelligence Systems., Vol. 4, No. 4, pp. 672-679, 2011., ISSN 1875-6891
2.	Vukmirović S., Erdeljan A., Lendak I., Čapko D., „A novel software architecture for Smart Metering systems", Journal of Scientific and Industrial Research, Vol. 2010, No. 12, pp. 937-941, 2010., ISSN 0022-4456
3.	Čapko D., Erdeljan A., Vukmirović S., Lendak I., "A Hybrid Genetic Algorithm for Partitioning of Data Model in Distribution Management Systems", Information technology and control, Vol. 40, No. 4, 2011., ISSN 1392-124X
4.	Čapko D., Erdeljan A., Popović M., Švenda G., "An Optimal Initial Partitioning of Large Data Model in Utility Management Systems", Advances in Electrical and Computer Engineering, No. 4, 2011., ISSN 1582-7445
5.	Nedić N., Vukmirović S., Erdeljan A., Lendak I., Čapko D., „ A Genetic Algorithm Approach for Utility Management System Workflow Scheduling ", Information technology and control, Vol. 39, No. 4, pp. 310-316, 2010., ISSN 1392-124X
6.	Vukmirović S., Erdeljan A., Čapko D., Lendak I., „Extension of the Common Information Model with Virtual Meter", Electronics and electrical engineering, Vol. 107, No. 1, pp. 59-64, 2011., ISSN 1392-1215
7.	Čapko D., Erdeljan A., Švenda G., Popović M., „Dynamic Repartitioning of Large Data Model in Distribution Management Systems", Electronics and electrical engineering, Vol. 121, No. 4, pp. 83-85,2012., ISSN 1392-1215
8.	Vukmirović S., Erdeljan A., Lendak I., Čapko D., „Optimal Workflow Scheduling in Critical Infrastructure Systems with Neural Networks", Journal of Applied Research and Technology, Vol. 10, No. 2, pp. 114-121, 2012., ISSN 1665-6423
9.	Vukmirovic, Srdjan; Erdeljan, Aleksandar; Lendak, Imre; Capko, Darko: Unifying the Common Information Model (CIM), REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE 2012 57 (3):301-310
10.	Velimir Congradac, Marta Prica, Marija Paspalj, Dubravka Bojanic, Darko Capko: Algorithm for blinds control based on the optimization of blind tilt angle using a genetic algorithm and fuzzy logic,Solar Energy 86 (2012), pp 2762–2770

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Čongradac D. Velimir
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.06.1998
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2000	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	AU43	Fundamentals of Biomedical Engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
2.	AU50	Process Control by Computer	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GI005	Intelligent Control Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	Z410A	Geospatial technologies and systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z410	Geoinformacione tehnologije i sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI112	Biomedical engineering in sport physiology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	BMI113	Neuroengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI120	Equipment and systems for helping the elderly, ill and disabled	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI124	System Modeling and Simulation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	E2311	Automation in smart office-residential buildings	(E20) Computing and Control Engineering, Undergraduate Academic Studies
12.	EMSAU 1	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
13.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
14.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
15.	SEAU04	Software of BMS	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	SEAU06	Software of Process Computers	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
17.	ZC037	Automation applied in the industry and buildings	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
18.	AU514	Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Master Academic Studies
19.	S054	Computer Modelling and Simulation	(S01) Postal Traffic and Telecommunications, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
20.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
21.	SEAM02	Adaptive and advanced control	(SE0) Software Engineering and Information Technologies, Master Academic Studies
22.	SEAM03	Software Algorithms in Supervisory Control and Data Acquisition Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
23.	SEAM05	Dynamic Programming, combinatorial and network optimization	(SE0) Software Engineering and Information Technologies, Master Academic Studies
24.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
25.	DAU018	Selected Chapters in Distributed Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Čongradac V., Kulić F.: Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation, Energy and Buildings, 2012, Vol. 47, pp. 651-658, ISSN 0378-7788
2.	Čongradac V., Jorgovanović N., Stanišić D.: Assessing the energy consumption for heating and cooling in hospitals, Energy and Buildings, 2012, Vol. 48, pp. 146-154, ISSN 0378-7788
3.	Čongradac V., Bojanić D., Čapko D.: Algorithm for blinds control based on the optimization of blind tilt angle using a genetic algorithm and fuzzy logic, Solar Energy, 2012, Vol. 86, No 9, pp. 2762-2770, ISSN 0038-092X
4.	Čongradac V., Kulić F.: HVAC system optimization with CO_2 concentration control using genetic algorithms, Energy and Buildings, 2009, ISSN 0378-7788
5.	Čongradac V.: Control of the lighting system using a genetic algorithm, Thermal Science, 2012, Vol. 16, No 1, pp. 237-250, ISSN 0354-9836, UDK: 621
6.	Čongradac V.: Business process management in sustainable property/asset management by using the totalobserver, Thermal Science, 2012, Vol. 16, No 1, pp. 269-279, ISSN 0354-9836, UDK: 621

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Dejanović R. Igor
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	16.10.2000
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012		Applied Computer Science and Informatics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

		List of courses being held by the teacher in the accredited study programmes	
	ID	Course name	Study programme name, study type
1.	E235	Fundamentals of Information Systems and Software Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E2S40	Software Patterns and Components	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT36	Software Development Tools	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT3A	Metodologije i sistemi za upravljanje IT resursima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT48	Tehnologije i sistemi za podršku korisnicima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	SES202	Model Driven Software Development	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	SES204	Advanced Programming Tecnics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
11.	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	E2510	Software Configuration Management	(E20) Computing and Control Engineering, Master Academic Studies
			(F20) Engineering Animation, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
13.	E2519	Domain-Specific Languages	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Gordana Milosavljević, Igor Dejanović, Branko Perišić: Brz razvoj adaptivnih poslovnih informacionih sistema, Yu Info, Kopaonik: 11-14 mart, 2007
2.	*****Dejanović I., Perišić B., Milosavljević G.: Implementacija XText DSL-a uz oslonac na arpeggio parser, YU Info 2011 (CD), 6 pages
3.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24
4.	Milosavljević G., Dejanović I., Perišić B., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 77-94
5.	*****Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf
6.	Dejanović I., Perišić B., Milosavljević G.: Arpeggio: pakrat parser interpreter, 16. YU INFO, Kopaonik, 1-8 Mart, 2010
7.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: Primena savremenih tehnika razvoja softvera u izradi studentskih projekata, 15. YU INFO, Kopaonik, 1-8 Mart, 2009
8.	Dejanović I., Milosavljević G., Perišić B.: Uporedni prikaz dva popularna MDSD/MDA alata otvorenog koda , 13. YU INFO, Kopaonik, 1-8 Mart, 2005
9.	Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214
10.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Doroslovački D. Rade
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1984	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E101	Discrete Mathematics	(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	0M503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M509	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML509	Applaid Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
14.	OM519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies
15.	OML519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES | Computing and Control Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
16.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M17	Combinatorics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M20	Graph Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M34	Actuarial Mathematics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	DOM31	Combinatorial Matrix Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	R. Doroslovački, R. Tošić and I. Stojmenović: Generating and counting triangular system, BIT: 27(1987) 18-24, Kobenhavn, R 54
2.	R. Doroslovački , R . Tošić i J. Gutman: Topological properties of benzenoid systems, XXXVIII, the boundary code, Match in mathematical chemistry (19) (219-228) Max- Plank-Institut fur Stranhlenchemije, Mulheim (1986)
3.	Rade Doroslovački: Binary Sequences without 01...10, Matematički vesnik, Mathematical Society of Serbia, 46 (1994), 93-98.
4.	Rade Doroslovački: On binary n-words with forbidden 4-subwords, (1997/01) Novi Sad Juornal of Mathematics.
5.	R. Doroslovački, J. Pantović, G.Vojvodić: Note on Itersection of Maximal Clones, (1998/02) Novi Sad, Journal of Mathematics.
6.	R. Doroslovački, J. Pantović, G. Vojvodić: Classification of Maps by their Membership in Maximal Clones that contain Minimum and Complement, Matematički vesnik,, Mathematical Society of Serbia, 51, (1999), 21-28
7.	Rade Doroslovački, Jovanka Pantović and Gradimir Vojvodić: One Interval in the Lattice of Partial Hyperclones, Czechoslovaka Mathematical Journal, 55 (130),2005, 719-724, (R52)
8.	O. Bodroža-Pantić, R. Doroslovački, K. Doroslovački, AN ELEMENTARY PROOF OF A THEOREM CONCERNING THE DIVISION OF A REGION INTO TWO," in Rocky Mountain Journal of Mathematics, Vol. 37, No.5, 2007, R 52
9.	O. Bodroža-Pantić, R. Doroslovački, The Gutman formulas for algebraic structure count, Journal of Mathematical Chemistrz Vol.35,No.2, Februar 2004, R 51.
10.	Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	60			
Total of SCI(SSCI) list papers :	5			
Current projects :		Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Đurović -. Željko
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	School of Electrical Engineering - Beograd
	01.01.2000
Scientific or art field:	Electrical and Computer Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2000	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
PhD thesis	1994	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics
Magister thesis	1989	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics
Bachelor's thesis	1988	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DAU012	Selected chapters in signals and systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Željko Đurović, Doktorska disertacija, 1994
2.	Kovacevic, Branko, and Zeljko Durovic. Fundamentals of Stochastic Signals, Systems and Estimation Theory: With Worked Examples. Springer, 2008.
3.	Ž. Đurovic, Kovacevic B. (1999), "Robust estimation with unknown noise statistics",IEEE Trans. Autom. Control , Vol. 44, No 6. , June 1999., pp .1292-1296.
4.	G. Kvaščev, Ž. Đurović, B. Kovačević, (2010), 'Adaptive Recursive M-Robust System Parameter Identification Using the QQ-Plot Approach' , IET Control Theory & Applications
5.	S. Mitrovic, Ž. Đurovic, (2010), 'Fuzzy logic controller for bidirectional garaging of a differential drive mobile robot', Advanced Robotics, Vol. 24, pp. 1291-1311.
6.	P. Stepanic, I.Latinovic, Ž. Đurovic, (2009),'A new approach to detection of defects in rolling element bearings based on statistical pattern recognition', Internation Journal of Advanced Manufacturing Technology, Vol. 45, No. 1-2, pp. 91-100.
7.	Ž. Đurovic, B. Kovacevic, G. Dikic, (2009),'Target tracking with two passive infrared non-imaging sensors', IET Signal Processing, Vol. 3, Issue 3, pp. 177-188.
8.	Ž. Đurovic, B. Kovacevic, (2008), 'A Sequential LQG Approach to Nonlinear Tracking Problem', Internation Journal of Systems Science, Vol. 39, pp. 371-382.
9.	G. Dikic, Ž. Đurovic, (2007), 'Atmosphere Attenuation Coefficient Estimation', Electrical Engineering, Vol.89, pp. 343-347.
10.	LJ. Miškovic., Djurovic Ž., Kovacevic B. (2002), " Application of the minimum state error variance approach to nonlinear system control", Int. J. Systems Science, Vol. 33, No. 5, pp. 359-368.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	53			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Erdeljan M. Aleksandar
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	24.07.1989
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2011		Automatic Control and System Engineering
PhD thesis	2000	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1993	School of Electrical Engineering - Beograd	Automatic Control and System Engineering
Bachelor's thesis	1989	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E126	System Control, Modeling and Simulation	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E232	System Modeling and Simulation	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	GI303A	Distributed Systems in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	H213	System Modelling and Simulation 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
5.	BMI124	System Modeling and Simulation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	E2312	Software design for SCADA systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	ESI001	Software Tools in Power Engineering	(ES0) Power Software Engineering, Undergraduate Academic Studies
8.	ESI010	Basics of control in power systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	ESI015	Distributed Computer Systems in Power Systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
10.	SEAU02	SCADA Software	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
11.	SEAU09	Software design of SCADA systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SEI002	Architecture of Distributed Systems in Power Systems	(ES0) Power Software Engineering, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
13.	AU502	Distributed Control Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies
15.	S054	Computer Modelling and Simulation	(S01) Postal Traffic and Telecommunications, Master Academic Studies
16.	BMIM3D	Development of integrated biomedical systems	(BM0) Biomedical Engineering, Master Academic Studies
17.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
18.	E2533	Discrete event simulation	(E20) Computing and Control Engineering, Master Academic Studies
19.	E2535	Software Algorithms in Supervisory Control and Data Acquisition Systems	(E20) Computing and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
20.	ESI030	Distributed Software Architectures for Smart Energy Grids	(ES0) Power Software Engineering, Master Academic Studies
21.	SEAM06	Integration of Distributed Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
22.	DAU006	Selected Chapters in Modeling and Simulation of Dynamic Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
23.	DAU018	Selected Chapters in Distributed Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
24.	ZRD25A	Selected chapters from Artificial Ingeligence	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Lendak I., Erdeljan A., Popović D.: Algorithm for cataloguing topologies in the Common Information Model (CIM), Computers Math. Appl. 61, No. 3, 715-721 (2011). ISSN 0898-1221

2. Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N.: Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, 2011, Vol. 4, No 4, pp. 672-679, ISSN 1875-6883

3. Čapko D., Erdeljan A., Švenda G., Popović M.: Dynamic Repartitioning of Large Data Model in Distribution Management Systems, Electronics and electrical engineering, 2012, No 4(120), pp. 83-88, ISSN 1392-1215

4. Ilić S., Vukmirović S., Erdeljan A., Kulić F.: Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, 2012, Vol. 16, No S, pp. 215-224, ISSN 0354-9836

5. Vukmirović S., Erdeljan A., Čapko D., Lendak I.: Extension of the Common Information Model with Virtual Meter, Electronics and electrical engineering, 2011, Vol. 107, No 1, pp. 59-64, ISSN 1392-1215

6. Čapko D., Erdeljan A., Popović M., Švenda G.: An Optimal Initial Partitioning of Large Datasets in Utility Management Systems, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 4, pp. 41-46, ISSN 1582-7445

7. Čapko D., Erdeljan A., Vukmirović S., Lendak I.: A HYBRID GENETIC ALGORITHM FOR PARTITIONING OF DATA MODEL IN DISTRIBUTION MANAGEMENT SYSTEMS, Information technology and control, 2011, Vol. 40, No 4, pp. 316-322, ISSN 1392-124X

8. Vukmirović S., Nedić N., Erdeljan A., Lendak I., Čapko D.: A Genetic Algorithm Approach for Utility Management System Workflow Scheduling, Information technology and control, 2010, Vol. 39, No 4, pp. 310-316, ISSN 1392-124X

9. Vukmirović S., Erdeljan A., Lendak I., Čapko D.: A novel software architecture for Smart Metering systems, Journal of Scientific and Industrial Research (JSIR), 2010, Vol. 2010, No 12, pp. 937-941, ISSN 0022-4456

10. Čapko D., Erdeljan A., Popović M., Švenda G.: An Optimal Relationship-Based Partitioning of Large Datasets, LNCS, Springer Verlag, 2010, str. 555-558, ISBN 978-3-642-15575-8

Summary data for teacher's scientific or art and professional activity:

Quotation total :	1		
Total of SCI(SSCI) list papers :	9		
Current projects :	Domestic :	3	International :	0

Science, arts and professional qualifications

Name and last name:			Folić J. Radomir	
Academic title:			Emeritus Professor	
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad	
			01.03.1980	
Scientific or art field:			Constructions in Civil Engineering	
Academic carieer	Year	Institution		Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad		Constructions in Civil Engineering
PhD thesis	1983	Faculty of Civil Engineering - Beograd		Theory of Construction
Magister thesis	1974	Faculty of Civil Engineering - Zagreb		Theory of Construction
Bachelor's thesis	1963	Faculty of Civil Engineering - Beograd		Constructions in Civil Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	A002S	Scientific Research Method	(A00) Architecture, Specialised Academic Studies (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
2.	GG505	Concrete Bridges	(G00) Civil Engineering, Master Academic Studies
3.	GS015	Scientific Research Method	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
4.	A120S	Proces, principi i tehnike naučnog istraživanja-odabrana poglavlja	(A00) Architecture, Specialised Academic Studies
5.	GG531	Odabrana poglavlja zidanih konstrukcija	(G00) Civil Engineering, Master Academic Studies
6.	DGI002	Selected Chapters in Engineering Geodesy	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
7.	DZ001	Scientific Research Method	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
8.	A120	Proces, principi i tehnike naučnog istraživanja - odabrana poglavlja(uneti naziv na engleskom)	(A00) Architecture, Doctoral Academic Studies
9.	GD027	Process, principles and techniques of scientific research - selected chapters	(G00) Civil Engineering, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)			

	Representative refferences (minimum 5, not more than 10)
1.	Folić, R. (1983): Spojevi i veze montažnih betonskih zgrada. U knjizi Montažni građevinski objekti, (Ed. B. Žeželj, A.Flašar) Ekonomika, Beograd, str. 117-167. (9 autorskih tabaka)
2.	Folić, R. (1983): Statika konstrukcija - Zbirka rešenih zadataka. FTN IIG, Novi Sad, str. 1-486. II izdanje (1987). III izdanje Građevinska knjiga, Beograd (1991).
3.	Folić, R., Tatomirović, M. (1999): Spregnute betonske konstrukcije-I deo. Građevinski kalendar, 1999. str. 289-386; II deo, Građevinski kalendar, 2001, str. 217-290
4.	Folić, R. (1991): Classification of damage and its causes as applied to precast concrete buildings. Material and Structures. RILEM - Journal, Chapman & Hall, Vol. 24, pp. 276-285.
5.	Folić, R., Ivanov, D. (1991): In situ behaviour of concrete structures deterioration of concrete, influence of earthquake and a fire in Diagnosis of Concrete Structures - State of the Art Report, Ed. by T. Javor, Expertcentrum, Bratislava, pp. 135-146.
6.	Folić, R. (1985): Analiza aktivne širine ploče i graničnih stanja kod elemenata od armiranog i prethodno napregnutog betona. FTN IIG Posebno izdanje 7, Novi Sad, str. 1-193.
7.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.
8.	Folić, R. (1991): A classification of damage to concrete buildings in earthquakes, illustrated by examples. Material and Structures, RILEM - Journal, Chapman & Hall, Vol. 24, pp. 286-292.
9.	Javor, T., Naus, D.J., Folić, R., Zakić, B.: (1992): Diagnosis of Concrete Structures. RILEM - Journal Materials and Structures, Chapman & Hall, Vol. 25, pp. 437-440.
10.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	11			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Gilezan K. Silvia	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.1984	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1988	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1981	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
2.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	IAM003	Formal Mathematical Models	(F10) Engineering Animation, Undergraduate Academic Studies
4.	S011	Mathematics 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	0M506	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M507	Logic in Computer Science	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML506	Semantics of programming languages	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
14.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
15.	SD0M06	Logic in Computer Science	(GI0) Geodesy and Geomatics, Specialised Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	D0M05	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M06	Logic in Computer Science	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M11	Models of Computation	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M12	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
24.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	"Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press
2.	"Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007
3.	"Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-1363
4.	"Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134.
5.	"Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science 2201, 38-49.
6.	"Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14.
7.	"Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.
8.	"Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183.
9.	"Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture Notes in Computer Science 4661 (2007) 263-280.
10.	Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	325

Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	4

Science, arts and professional qualifications

Name and last name:	Gostojić L. Stevan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2007
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Master's thesis	2006	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	RI41	Internet Software Architectures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	SEI41	Internet Software Architectures	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	SES102	NoSQL Data Bases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SES301	IT Law	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	E2523	Social Networks	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	E2536	Mobile Application Development	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
10.	DRNI10	Selected Topics in E-Government	(E20) Computing and Control Engineering, Doctoral Academic Studies
11.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Gostojić S.: Ontological Model of Legal Norms for Creating and Using Legislation, Computer Science and Information Systems (ComSIS), 2012, ISSN 1820-0214
2.	Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitive Access Control Model for Government Services, Journal of Organizational Computing and Electronic Commerce, 2012, Vol. 22, No 2, pp. 184-213, ISSN 1091-9392

Representative refferences (minimum 5, not more than 10)	
3.	Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Flexible Access Control for Judicial Processes, 6. International Conference on Methodologies, Technologies aand Tools Enabling e-Government - MeTTeG12, Beograd: Fakultet tehničkih nauka, Novi Sad, , pp. 44-55, ISBN 978-86-7892-413-2
4.	Gostojić S., Sladić G., Milosavljević B.: Importing Document Hierarchy in the Alfresco System, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011
5.	Sladić G., Gostojić S., Milosavljević B., Konjović Z.: Handling Structured Data in the Alfresco System, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011, pp. 78-82
6.	Gostojić S., Konjović Z., Milosavljević B.: Modeling MetaLex/CEN Compliant Legal Acts, 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica,
7.	Arsovski S., Konjović Z., Milosavljević B., Gostojić S.: Editori za dokumente pravne regulative bazirani na otvorenim standardima i otvorenim izvorima, 16. YU INFO, Kopaonik, 1-8 Mart, 2010
8.	Gostojić S., Sladić G., Vidaković M.: Arhiviranje dokumenata u Alfresco sistemu, 15. YU INFO, Kopaonik, 1-8 Mart, 2009
9.	Sladić G., Milosavljević B., Gostojić S.: Digitalno potpisivanje dokumenata u Alfresco sistemu, 15. YU INFO, Kopaonik, 1-8 Mart, 2009
10.	Konjović Z., Milosavljević B., Sladić G., Gostojić S.: Sistem za uprvljanje elektronskim dokumentima, 2010

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:		Govedarica J. Miro	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		22.02.1994	
Scientific or art field:		Geodesy and Geomatics Engineering	
Academic carieer	**Year**	**Institution**	**Field**
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Geodesy and Geomatics Engineering
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Geoinformatics
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1987	Faculty of Civil Engineering - Sarajevo	Geodesy

List of courses being held by the teacher in the accredited study programmes			

	ID	Course name	Study programme name, study type
1.	AU54	Geoinformation Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	E241	Geospatial Technologies	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	F114	Graphic applications	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	GI003	Geospatial Data Infrastructure	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI020	Laser Scanning of Terrain and Objects	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	GI025B	Geodetic Metrology	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	GI211	Geoinformatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
8.	GI408A	Geospatial Databases	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
9.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	Z410A	Geospatial technologies and systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z410	Geoinformacione tehnologije i sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	BM119A	The application of geoinformation technologies and systems in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	GG99	Geospatial technologies - basics	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
14.	GI207	GNSS basics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
15.	GI209	Photogrammetry	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
16.	GI406A	Fundamentals of Remote Sensing and Image Processing	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
17.	ZC028	Geospatial technologies and systems	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
18.	GI501	Geoportals and Geospatial Services	(GI0) Geodesy and Geomatics, Master Academic Studies
19.	GI502	Location Based Services	(GI0) Geodesy and Geomatics, Master Academic Studies
20.	GI504	Advanced Techniques of Laser Scanning	(GI0) Geodesy and Geomatics, Master Academic Studies
21.	GI517	Digital Photogrammetry	(GI0) Geodesy and Geomatics, Master Academic Studies
22.	GI518	Geodesy in City Planning	(GI0) Geodesy and Geomatics, Master Academic Studies
23.	GIAU05	Geoportals and Geoservices	(E20) Computing and Control Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
24.	GI531	Application of GNSS systems	(GI0) Geodesy and Geomatics, Master Academic Studies
25.	GI532	Advanced Remote Sensing Technologies	(GI0) Geodesy and Geomatics, Master Academic Studies
26.	GI534	Service oriented architecture in GIS	(GI0) Geodesy and Geomatics, Master Academic Studies
27.	GI536	Spatial and temporal databases	(GI0) Geodesy and Geomatics, Master Academic Studies
28.	GI540	Valuation of real estate	(GI0) Geodesy and Geomatics, Master Academic Studies
29.	GI700	Geospatial data visualization	(GI0) Geodesy and Geomatics, Master Academic Studies
30.	GIAU02	Position Based Services	(E20) Computing and Control Engineering, Master Academic Studies
31.	GIAU03	Remote Sensing and Computer Image Processing	(E20) Computing and Control Engineering, Master Academic Studies
32.	GIAU04	Geospatial data visualization	(E20) Computing and Control Engineering, Master Academic Studies
33.	SDGI01	Selected topics in geoinformation systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
34.	SDGI06	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Specialised Academic Studies
35.	SDGI08	Selected topics in laser scanning	(GI0) Geodesy and Geomatics, Specialised Academic Studies
36.	SDGI10	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Specialised Academic Studies
37.	SDGI13	Selected topics in spatial data infrastructure	(GI0) Geodesy and Geomatics, Specialised Academic Studies
38.	SDGI1C	Selected topics in geospatial data visualization	(GI0) Geodesy and Geomatics, Specialised Academic Studies
39.	SDGI1F	Selected topics in photogrammetry	(GI0) Geodesy and Geomatics, Specialised Academic Studies
40.	SDGI3C	Selected topics in Geoportals	(GI0) Geodesy and Geomatics, Specialised Academic Studies
41.	SDGI5D	Selected Chapters in the Mass Appraisal of Real Estate	(GI0) Geodesy and Geomatics, Specialised Academic Studies
42.	SDGI5F	Basic topics in remote sensing and image processing	(GI0) Geodesy and Geomatics, Specialised Academic Studies
43.	SDGI6A	Selected Chapters in Appraisal	(GI0) Geodesy and Geomatics, Specialised Academic Studies
44.	DAU011	Selected Chapters in Geographic Information Systems and Technologies	(E20) Computing and Control Engineering, Doctoral Academic Studies
45.	DGI001	Selected Chapters in Geoinformation Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
46.	DGI003	Selected Chapters in Photogrammetry and Remote Sensing	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
47.	DGI006	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
48.	DGI008	Selected Chapters in Laser Scanning	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
49.	DGI009	Selected Chapters in GNSS Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
50.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
51.	DGI013	Selected Chapters in Spatial Data Infrastructure and Standardization	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
52.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Ristić, A., Petrovački, D., Govedarica, M.: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data, Computers & Geosciences, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004
2.	Mogin P, Luković I, Govedarica M, "Principi projektovanja baza podataka", II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad,2004, ISBN: 86-80249-81-5, 700 str.
3.	Govedarica Miro, Borisov Mirko, THE ANALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS, JOURNAL GEODETSKI VESTNIK (IF 2010 0.215) ISSN 0351-0271

	Representative refferences (minimum 5, not more than 10)
4.	Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY Journal of Environmental Protection and Ecology JEPE 2011 (IF 2010 0.178)
5.	Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar Metadata Catalogues in Spatial Information Systems (Review) GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)
6.	Jasmina Nedeljković Ostojić, Miro Govedarica, Toša Ninkov, Analysis of Structure Surveying Method by 3D Laser Scanners Geodetski list:glasilo Hrvatskoga geodetskog društva 65(88); 1; (2011) (IF 2010 0.038)
7.	Ristić A., Abolmasov B., Govedarica M., Petrovački D., Ristić A.: Shallow-landslide spatial structure interpretation using a multi-geophysical approach, Acta Geotechnica Slovenica, 2012, Vol. 9, No 1/2012, pp. 47-59, ISSN 1854-0171
8.	Tosa Ninkov, Miro Govedarica, Milan Trifkovic, One Method of Renewal of Stereographics Survey Data in Coka Municipality Geodetski list : glasilo Hrvatskoga geodetskog društva 66(89) (2012), 4;
9.	Luković I, Mogin P, Govedarica M, Ristić S, "The Structure of A Subschema and Its XML Specification", Journal of Information and Organizational Sciences (JIOS), Varaždin, Croatia, ISSN: 0351-1804, Vol. 26, No. 1-2, 2002, pp. 69-85..
10.	Govedarica M, Miladinović M: Informacioni sistema katastara nepokretnosti – Terrasoft, Geodetska služba, 2002, Vol. XXXI, No. 92, str. 16- 27, ISSN 0350-7971

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	8			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	5	International :	1

Science, arts and professional qualifications

Name and last name:		Grbić P. Tatjana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.12.1995	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		

	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	IA001	Algebra	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IA002	Mathematical Analysis	(F10) Engineering Animation, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
12.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
13.	0ML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
			List of courses being held by the teacher in the accredited study programmes
	ID	Course name	Study programme name, study type
14.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies
26.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
27.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ralević, N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101

	Representative refferences (minimum 5, not more than 10)
2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Riemann-Stieltjes type integral based on generated pseudo-operations", NS J. Mathe., Vol. 36, No. 2, 111-124
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	17			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Hajduković P. Miroslav
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.07.1993
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	1984	Faculty of Electrical Engineering - Sarajevo	Applied Computer Science and Informatics
Magister thesis	1980	Faculty of Electrical Engineering - Sarajevo	Applied Computer Science and Informatics
Bachelor's thesis	1977	Faculty of Electrical Engineering - Sarajevo	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E217	Computer Architecture	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
2.	E225	Operating Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	E243	Human Computer Interaction	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EE301	Operating Systems and Competitive Programming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	RI4A	Computer Graphics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	E2529	Parallel and distributed architectures	(E20) Computing and Control Engineering, Master Academic Studies
			(ES0) Power Software Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
7.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
8.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Hajduković M., "Programski jezik CONCERT", Pomoćni udžbenik, Fakultet tehničkih nauka, 1995.

Datum: 18.12.2012

	Representative refferences (minimum 5, not more than 10)
2.	Hajduković M., "Organizacija računara", Pomoćni udžbenik, Fakultet tehničkih nauka, 1996.
3.	Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 61131-3", Pomoćni udžbenik, Fakultet tehničkih nauka, 2002.
4.	Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehničkih nauka, 2004.
5.	Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004.
6.	Hajduković M. i ostali, "The active side principle approach to the client server protocol design", YUJOR, vol. 6, no. 1, Belgrade, 1996., 121- 127
7.	Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, vol. 8, no. 2, Belgrade, 1998., 323- 329
8.	Hajduković M. i ostali, "Communication models: an educational framework for parallel programming", YUJOR, vol. 9, no. 1, Belgrade, 1999., 129- 139
9.	Hajduković M. između ostalih, "Character oriented program editing – habit or necessity?", NSJOM, vol. 33, no. 1, Novi Sad, 2003., 53- 65
10.	Hajduković M. između ostalih, "A problem of program execution time measurement", NSJOM, vol. 33, no. 1, Novi Sad, 2003., 67- 73

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	11			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Ivanović V. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2007
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	2006	Faculty of Technical Sciences - Novi Sad	Informatics
Magister thesis	-		Applied Computer Science and Informatics

	List of courses being held by the teacher in the accredited study programmes		
	ID	**Course name**	**Study programme name, study type**
1.	E2E40	XML and WEB Services	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	GG11	Fundamentals in Computing	(G00) Civil Engineering, Undergraduate Academic Studies
3.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT32	Technologies and platforms for digital contents and documents management	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT47	E-learning tools and technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SES301	IT Law	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	E2507	Digital Archives	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies

	ID	Course name	Study programme name, study type
11.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E2525	Contemporary educational technologies and standards	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
15.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
16.	DRNI13	Selected Topics in Scientific-research Activity managament	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ivanović, D., Surla, D. & Racković, M. (2010), "A CERIF data model extension for evaluation and quantitative expression of scientific research results", Scientometrics, DOI 10.1007/s11192-010-0228-2, Vol. 86, No. 1, pp. 155-172

2. Ivanovic, L., Ivanovic, D., Surla, D. (2012), "A data model of theses and dissertations compatible with CERIF, Dublin Core and EDT-MS", Online Information Review, Vol. 36, No. 4, pp. 568-586

3. Ivanović, D., Milosavljević, G., Milosavljević, B. & Surla, D. (2010), "A CERIF-compatible research management system based on the MARC 21 format", Program: Electronic libarary and information systems, DOI: 10.1108/00330331011064249, Vol. 44, No. 3, pp. 229-251

4. Ivanović, D., Surla, D. & Konjović, Z. (2010), "CERIF compatible data model based on MARC 21 format", The Electronic Library, DOI: 10.1108/02640471111111433, Vol. 29, No. 1, pp. 52-70

5. Milosavljević, G., Ivanović, D., Surla, D. & Milosavljević, B. (2010), "Automated Construction of the User Interface for a CERIF-Compliant Research Management System", The Electronic Library, Vol. 29, No 5, pp. 565-588

6. Kovacevic, A., Ivanovic, D., Milosavljevic, B., Konjovic, Z., Surla, D. (2011), "Automatic extraction of metadata from scientific publications for CRIS systems", Program: electronic library and information systems, Vol. 45, No. 4, pp.376 – 396, DOI: 10.1108/00330331111182094

7. Ivanović, L., Ivanović, D., Surla, D. (2012), Integration of a Research Management System and an OAI-PMH Compatible ETDs Repository at the University of Novi Sad, Republic of Serbia, Library resources and Technical services, Vol. 56, No. 2, pp. 104-112

8. Ivanović D., Surla D., Racković M.: Journal evaluation based on bibliometric indicators and the CERIF data model, Computer Science and Information Systems (ComSIS), 2012, Vol. 9, No 2, pp. 791-811, ISSN 1820-0214

9. Informacioni sistem naučno-istraživačke delatnosti

10. Ivanović D.: Sistemi za skladištenje naučnih sadržaja, Zadužbina Andrejević, 2011, ISBN 978-86-7244-916-7

Summary data for teacher's scientific or art and professional activity:

Quotation total :	72			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Ivetić V. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	22.10.1990
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	1999	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E243	Human Computer Interaction	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	H207	Programming and Programming Languages	(F10) Engineering Animation, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	RI4A	Computer Graphics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E0243	Human-Computer Interaction	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
5.	E2505	Multimedia Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(ES0) Power Software Engineering, Master Academic Studies
			(F20) Engineering Animation, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
6.	E2516	Virtual Reality Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
7.	E2528	Computer game development	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	E2534	Data Compression	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies

	ID	Course name	Study programme name, study type
		List of courses being held by the teacher in the accredited study programmes	
9.	ESI035	Computer graphic algorithms for smart grid systems	(ES0) Power Software Engineering, Master Academic Studies
10.	ESI036	Visualization techniques in power systems	(ES0) Power Software Engineering, Master Academic Studies
11.	DRNI09	Selected Topics in Human Centered Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
12.	FDS151	Selected Chapters in Multimedia	(F00) Graphic Engineering and Design, Doctoral Academic Studies
13.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	DRNI15	Selected Topics in Advanced Computer Graphics	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
15.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer methods and programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012

2. Dragan Ivetic, Dinu Dragan, "Medical Image on the go!", Journal of Medical Systems, Springer, Vol. 35, No. 4, pp. 499-516, ISSN 0148-5598, August 2011.

3. Dragan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010.

4. Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Computer Science and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, June 2009.

5. Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. A. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001

6. Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Communication Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, UBICC Publisher, July 2009.

7. Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm complexity as fruit of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN: 1992-8424, pp. 43-51, UBICC Publisher, 2011.

8. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Journal of Operations Research, vol. 6, no. 2, 1996., 277-284.

9. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journal, Vol. 31, No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009.

10. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference on Human-centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park et al. (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3

Summary data for teacher's scientific or art and professional activity:

Quotation total :	55			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Jeličić D. Zoran
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1995
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	AU41	Digital Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E237	Optimization Methods	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E237A	Optimization Methods	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	F404	Modelling, Simulation and Control	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI005	Intelligent Control Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
7.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
8.	BM118A	Nonlinear programming and optimal control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BM130A	Digital control systems in bioengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E2316	Real-time control systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	AU511	Adaptive and Advanced Control	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
14.	AT03	Optimization and control techniques in architectural design	(AH0) Architecture, Master Academic Studies
15.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
16.	DAU005	Selected Chapters in Optimization Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DAU010	Selected Chapters in Nonlinear Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DGI016	Selected Chapters in Systems and Signals	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
19.	DAU005	Selected Chapters in Optimization Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1.	Jeličić Z., Kulić F., Čongradac V., Kanović Ž., Živković S.,Praktikum Savremena merenja i instrumentacija iz programa Lifelong Learning, INDAS, 2003.
2.	Jeličić Zoran; Petrovački Nebojša; Optimality Conditions and a Solution Scheme For Fractional Optimal Control Problems, Structural and Multidisciplinary Optimization ISSN: 1615-147X ,Vol. 38, No. 6, Str. 571-581, Springer;
3.	Rapaić Milan; Pisano Alessandro; Jeličić Zoran; Usai Elio; Sliding mode control approaches to the robust regulation of linear multivariable fractional order dynamics - International Journal of Robust and Nonlinear Control Volume 20, Issue 18, pages 2045–2056, December 2010
4.	Rapaić Milan; Jeličić Zoran; Optimal control of a class of fractional heat diffusion systems , Nonlinear Dynamics Volume 62, Numbers 1-2, 39-51, DOI: 10.1007/s11071-010-9697-3 , Springer;
5.	Z. D. Jeličić, T. M. Atanacković, Optimal shape of a vertical rotating column, International Journal of Non-Linear Mechanics, 42, 172 – 179, (2007) .
6.	Zeljko Kanovic, Milan R Rapaic, Zoran D Jelicic, Generalized particle swarm optimization algorithm-Theoretical and empirical analysis with application in fault detection, Applied mathematics and computation, Volume 217, Issue 24, 15 August 2011, Pages 10175–10186.
7.	Jeličić, Z. D. Atanacković, T. M.,On an optimization problem for elastic rods, STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, (2006) vol.32 br.1 str. 59-64
8.	Milena Petković, Milan R Rapaić, Zoran D Jeličić, Alessandro Pisano, On-line adaptive clustering for process monitoring and fault detection, Expert Systems with Applications, Volume 39, Issue 11, 1 September 2012, Pages 10226–10235.
9.	T. M. Atanacković, Z. D. Jeličić, Optimal shape and deformations of a lifting line with winglets. Bulletin de l"Académie Serbe des Sciences et des Arts. Classe des Sciences techniques 29, 57-79 (2003).
10.	T. M. Atanackovic, Y. Huo, Z. Jelicic, I. Mueller, Phase diagrams modified by interfacial penalties, Theoret. Appl. Mech., Vol.34, No.4, pp. 301-338, Belgrade 2007.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	105		
Total of SCI(SSCI) list papers :	7		
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Jorgovanović Đ. Nikola
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.11.1999
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1996	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Electronics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AU42	Technical Equipment for Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	AU43	Fundamentals of Biomedical Engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	AU47	DSP Applications in Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	AU49	Methods of Medical Image Forming and Analysis	(E20) Computing and Control Engineering, Undergraduate Academic Studies
5.	AUN43	Biomedical Engineering Technologies	(E20) Computing and Control Engineering, Undergraduate Academic Studies
6.	GI006	Satellite Navigation and Navigation Service	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	GI206	Systems and Signals in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
8.	Z411	Fundamentals of Instrumentation and Control	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	BM119A	The application of geoinformation technologies and systems in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI112	Biomedical engineering in sport physiology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	BMI114	Neural Prosthesis	(BM0) Biomedical Engineering, Undergraduate Academic Studies
12.	BMI120	Equipment and systems for helping the elderly, ill and disabled	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	BMI122	Neurorehabilitation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
14.	BMI124	System Modeling and Simulation	(BM0) Biomedical Engineering, Undergraduate Academic Studies
15.	E2314	Microprocessor Based Control Devices	(E20) Computing and Control Engineering, Undergraduate Academic Studies
16.	SEAU05	DSP Applications in Control Systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
17.	SEAU08	Microprocessor Based Control Devices	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
18.	AU504	Movement Control	(E20) Computing and Control Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
		List of courses being held by the teacher in the accredited study programmes	
19.	AU505	Neural Prostheses	(E20) Computing and Control Engineering, Master Academic Studies
20.	AU507	Principles of Biomedical Engineering	(E20) Computing and Control Engineering, Master Academic Studies
21.	BMIM3B	Soft Sensors	(BM0) Biomedical Engineering, Master Academic Studies
22.	BMIM3C	Functional Electrical Therapy	(BM0) Biomedical Engineering, Master Academic Studies
23.	BMIM5C	Brain Computer Interface	(BM0) Biomedical Engineering, Master Academic Studies
24.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
25.	SEAM04	Soft Sensors	(SE0) Software Engineering and Information Technologies, Master Academic Studies
26.	DAU008	Selected Chapters in Signal Processing in Biomedical Engineering	(E20) Computing and Control Engineering, Doctoral Academic Studies
27.	DE518	Brain Computer Interface Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
28.	DGI016	Selected Chapters in Systems and Signals	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
29.	DAU009	Selected Chapters in Biomedical Instrumentation and Telemetry	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Popović Maneski L., Jorgovanović N., Ilić V., Došen S., Keller T., Popović B. M., Popović B. D.: Electrical stimulation for the suppression of pathological tremor, MED BIOL ENG COMPUT, 2011, Vol. 49, No 10, pp. 1187-1193, ISSN 0140-0118

2. Popović-Bijelić A., Bijelić G., Jorgovanović N., Bojanić D., Popović M., Popović D.: Multi-field surface electrode for selective electrical stimulation , Artificial Organs, 2005, Vol. 29, No 6, pp. 448-452, ISSN 0160-564X

3. Malešević N., Popović Maneski L., Ilić V., Jorgovanović N., Bijelić V., Keller T., Popović D.: A multi-pad electrode based functional electrical stimulation system for restoration of grasp, J NEUROENG REHABIL, 2012, Vol. 9, No 66, ISSN 1743-0003

4. Čongradac V., Jorgovanović N., Stanišić D.: Assessing the energy consumption for heating and cooling in hospitals, Energy and Buildings, 2012, Vol. 48, pp. 146-154, ISSN 0378-7788

5. Bojanić D., Petrovački-Balj B., Jorgovanović N., Ilić V.: Quantification of dynamic EMG patterns during gait in children with cerebral palsy, Journal of Neuroscience Methods, 2011, No 198, pp. 325-331, ISSN 0165-0270

6. Krasnik R., Mikov A., Ilić V., Jorgovanović N., Demeši Drljan Č.: The use of Dynamic Electromyography in Gait Analysis, HealthMED, 2011, Vol. 5, No 4, pp. 888-893, ISSN 1840-2291

7. Jorgovanović N., Došen S., Petrović R.: Novel Electronic Stimulator for Functional Electrical Therapy, Journal of Automatic Control, 2005, Vol. 15, No 5, pp. 27-30, UDK: 621.3-52

8. Jorgovanović N.: Upravljanje funkcionalnom električnom stimulacijom za neurorehabilitaciju pokreta, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2003

9. Jorgovanović N.: NEURON - neuronski računarski sistem, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 1996

10. Govedarica M., Petrovački D., Ristić A., Jovanović D., Popov S., Ristić A., Pajić V., Sladić D., Vrtunski M., Badnjarević I., Alargić I., Jorgovanović N., Tepić Ž., Bojanić D., Stanišić D., Ilić V., Pržulj Đ.: Geografski informacioni sistem za potrebe Ministarstva zaštite životne sredine, 2010

Summary data for teacher's scientific or art and professional activity:

Quotation total :	81			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Katić A. Vladimir
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	1991	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1981	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	EE305	Power Electronics 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE308	Power Electronics 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	EE0406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE431	Renewable Sources and Small Power Plants	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EZ300	Clean Electrical Energy Sources	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	EZ400	Clean Energy Sources Design	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	DE209S	Energy Converters in Renewable Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE413S	Integration of Distributed Energy Resources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE505S	Power Quality in Distribution Networks	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	DE506S	Renewable Electrical Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
12.	DE509S	Effects of Power Converters on Network and Environment	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
13.	EE406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	EE509	Market and Deregulation in Electric Power Industry	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	S0I51Ž	Electrical Substation and Electric Traction	(S00) Traffic and Transport Engineering, Master Academic Studies
16.	EE544	Renewable energy sources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	EE564	Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
18.	ZCM02	Clean technologies for electrical vehicles	(ZC0) Clean Energy Technologies, Master Academic Studies
19.	ZCM08	Renewable and Distributed Electrical Energy Sources	(ZC0) Clean Energy Technologies, Master Academic Studies
20.	DE108	FACTS Devices and Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
21.	DE113	Application of Power Electronics in Power Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
22.	DE209	Energy Converters in Renewable Power Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
		List of courses being held by the teacher in the accredited study programmes	
23.	DE413	Integration of Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
24.	DE505	Power Quality in Distribution Networks	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
25.	DE506	Renewable Electrical Energy Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
26.	DE509	Effects of Power Converters on Network and Environment	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
27.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
28.	MSID04	Present State in the Field	(M40) Technical Mechanics, Doctoral Academic Studies
29.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vladimir Katić: "Kvalitet električne energije – viši harmonici", Univerzitet u Novom Sadu - Fakultet tehničkih nauka, Edicija Tehničke nauke - Monografije, Br. 6, Novi Sad, 2002., ISBN 86-80249-57-2.

2. Vladimir Katić: "Energetska elektronika - Zbirka rešenih zadataka", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 66, Novi Sad, 1998, tiraž 500 primeraka, strana 430, Pomoćni udžbenik, ISBN 86-499-0017-8.

3. Vladimir Katić, Darko Marčetić, Dušan Graovac: "Energetska elektronika – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 124, Novi Sad, 2000, tiraž 300 primeraka, strana 85, Pomoćni udžbenik, ISBN 86-499-0081-X.

4. Vladimir Katić, Vlado Porobić, Darko Marčetić: "Primena mikroprocesora u energetici – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija: Tehničke nauke - Udžbenici, Broj 149, Novi Sad, Dec. 2006, tiraž 300 primeraka, strana 122, Pomoćni udžbenik, ISBN 86-7892-013-0.

5. Vladimir Katić: „Upravljanje energetskim pretvaračima", Fakultet tehničkih nauka – WUS, Novi Sad, 2006, tiraž 20 primeraka, str.175, Skripta.

6. Dušan Graovac, Vladimir Katić, Alfred Rufer: "Power Quality Problems Compensation with Universal Power Quality Conditioning System", IEEE Transaction on Power Delivery, USA, ISSN 0885-8977, Vol.22, No.2, April 2007, pp.968-976.

7. Vladimir Katić, Jovan Knežević, Dušan Graovac: "Application-Oriented Comparison of the Methods for AC/DC Converter Harmonics Analysis", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.50, No.6, December 2003, pp.1100-1108.

8. Vladimir Katić, Dušan Graovac: "A Method for PWM Rectifier Line Side Filter Optimization in Transient and Steady States", IEEE Transaction on Power Electronics, USA, ISSN 0885-8993, Vol.17, No.3, May 2002, pp.342-352.

9. Dušan Graovac, Vladimir Katić: "On-Line Control Of Current Source Type Active Rectifier Using Transfer Function Approach", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.48, No.3, June 2001, pp.526-535.

10. Vladimir Katić: "Modern Power Electronics Technologies for Wind Power Plants", Invited Paper, Electronics/Elektronika, Banja Luka (BIH-R.Srpska), Vol.10, No.2, Dec.2006, YU ISSN 1450-5843, pp.3-9.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	122
Total of SCI(SSCI) list papers :	19

Science, arts and professional qualifications

Name and last name:	Kecman M. Vojislav
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2012		Automatic Control and System Engineering
PhD thesis	1982	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Electrical and Computer Engineering
Magister thesis	1978	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Electrical and Computer Engineering
Bachelor's thesis	1972	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	GI206	Systems and Signals in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	DAU006	Selected Chapters in Modeling and Simulation of Dynamic Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
3.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Huang T.-M., V. Kecman, I. Kopriva, Kernel Based Algorithms for Mining Huge Data Sets, Supervised, Semi-supervised, and Unsupervised Learning, Springer-Verlag, Berlin, Heidelberg, 2006, see http://www.learning-from-data.com
2.	Kecman V., Learning and Soft Computing, Support Vector Machines, Neural Networks, and Fuzzy Logic Models, Pearson Education India, (Special Indian Edition), New Delhi, India, 2005, see http://www.support-vector.ws
3.	Kecman V., Learning and Soft Computing, Support Vector Machines, Neural Networks, and Fuzzy Logic Models, The MIT Press, Cambridge, MA, USA, (608 p.), 2001, see http://www.support-vector.ws
4.	Kecman V., Process Dynamics, (Sc), 3rd Ed., Liber, Zagreb, YU, (300 p.), 1990
5.	Kecman V., State-Space Models of Lumped and Distributed Systems, Springer-Verlag, Berlin, Heidelberg, New York, London, Paris, Tokio, (280 p.), 1988
6.	Kecman V., Foundations of Automatic Control, (Sc), Zagreb, YU, (253 p.), 1988
7.	Kecman V., Chapter 'Basics of Machine Learning by Support Vector Machines', in a Springer-Verlag book, 'Real World Applications of Computational Intelligence', Series: Studies in Fuzziness and Soft Computing, Vol. 179, pp. 49-103, Eds. M. Negoita , B. Reusch, 2005
8.	Kecman V., Chapter 'Support Vector Machines – An Introduction', in a Springer-Verlag book, 'Support Vector Machines: Theory and Applications', Ed. L. Wang, Series: Studies in Fuzziness and Soft Computing, Vol. 177, pp. 1-47, 2005
9.	Vogt M., V. Kecman, Chapter 'Active-Set Methods for Support Vector Machines', in a Springer-Verlag book, 'Support Vector Machines: Theory and Applications', Ed. L. Wang, Series: Studies in Fuzziness and Soft Computing, Vol. 177, pp. 133-158, 2005
10.	Kecman V., T.-M. Huang, M. Vogt, Chapter 'Iterative Single Data Algorithm for Training Kernel Machines from Huge Data Sets: Theory and Performance', in a Springer-Verlag book, 'Support Vector Machines: Theory and Applications', Ed. L. Wang, Series: Studies in Fuzziness and Soft Computing, Vol. 177, pp. 255-274, 2005

Summary data for teacher's scientific or art and professional activity:

Quotation total :	375			
Total of SCI(SSCI) list papers :	28			
Current projects :		Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Konjović D. Zora
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1981
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	1992	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Magister thesis	1985	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Bachelor's thesis	1973	Faculty of Sciences - Novi Sad	Mathematics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E231	Numerical Algorithms and Numerical Software	(E20) Computing and Control Engineering, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E233	Internet Networks	(E20) Computing and Control Engineering, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E236A	Computational Intelligence Fundamentals	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E2K42	Knowledge Based Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	BMI101	Introduction to Medical Informatics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SES301	IT Law	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

	ID	Course name	Study programme name, study type
9.	E2513	Semantic Web	(E20) Computing and Control Engineering, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
10.	E2514	Biologicaly inspired computing	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
11.	EP002	EBusiness technologies and systems	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	E2525	Contemporary educational technologies and standards	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	DAU002	Selected Chapters in Computing	(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
15.	DRNI07	Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
17.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DRNI10	Selected Topics in E-Government	(E20) Computing and Control Engineering, Doctoral Academic Studies
19.	DRNI17	Selected Topics in ICT enhanced learning	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Obradovic Djordje, Konjovic Zora, Pap Endre, Ralevic Nebojsa (2011). The maximal distance between imprecise point objects, Fuzzy Sets and Systems, Vol. 170 no. 1, pp. 76-94

2. Obradovic Djordje, Konjovic Zora, Pap Endre, Rudas Imre (2012). Linear Fuzzy Space Based Road Lane Detection. Knowledge-Based Systems (rad objavljen u elektronskom obliku http://www.sciencedirect.com/science/article/pii/S0950705112000032)

3. Kovačević Aleksandar, Konjović Zora, Milosavljević Branko, Nenadić Goran (2012). Mining methodologies from NLP publications: A case study in automatic terminology recognition, Computer Speech And Language, Vol. 26 no. 2, pp. 105-126

4. Gostojić Stevan, Sladić Goran, Milosavljević Branko, Konjović Zora (2012). Context-sensitive Access Control Model for Government Services. Journal of Organizational Computing and Electronic Commerce, Vol. 22 no. 2, pp. 184-213

5. Sladić Goran, Milosavljević Branko, Surla Dušan, Konjović Zora (2012). Flexible Access Control Framework for MARC Records. Electronic Library (ISSN: 0264-0473), 30:5, pp. 623-652

6. Savić Goran, Segedinac Milan, Konjović, Zora (2012).Automatic Generation of E-Courses Based on Explicit Representation of Instructional Design. Computer Science and Information Systems. Vol. 9 no. 2, pp. 839 – 869.

7. Sladić Goran, Milosavljević Branko, Konjović Zora, Vidaković Milan (2011). Access Control Framework for XML Document Collections. Computer Science and Information Systems / ComSIS (ISSN: 1820-0214), 8:3, pp. 591-609

8. Ivanovic Dragan, Surla Dusan, Konjovic Zora (2011). CERIF compatible data model based on MARC 21 format, Electronic Library, Vol. 29 no. 1, pp. 52-70

9. Kovacevic Aleksandar, Ivanovic Dragan, Milosavljevic Branko, Konjovic Zora, Surla Dusan (2011). Automatic extraction of metadata from scientific publications for CRIS systems, Program-Electronic Library and Information Systems, Vol. 45 no. 4, pp. 376-396

Representative refferences (minimum 5, not more than 10)				
10.	Segedinac, Milan, Konjović, Zora, Segedinac Mirjana, Savić, Goran (2011). A Formal Approach to Organization of Educational Objectives. Psihologija, Vol. 44 no. 4, pp. 307-323.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Kostić Z. Marko	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.10.1999	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2001	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	ISIT06	Matematika 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
16.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Kostić, Marko, Distribution cosine functions. Taiwanese J. Math. 10 (2006), no. 3, 739--775.
2.	Kostić Marko, On analytic integrated semigroups. Novi Sad J. Math. 35 (2005), no. 1, 127--135.
3.	Kostić Marko, Convoluted C-cosine functions and convoluted C-semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28 (2003), 75--92.
4.	Kostić Marko, On a class of quasi-distribution semigroups, Novi Sad J. Math 36 (2), 137-152
5.	M. Kostić, P. J. Miana, Relations between distribution cosine functions and almost-distribution cosine functions, Taiwanese Journal of Mathematics 11 (2007), 531--543.
6.	M. Kostić, S. Pilipović, Global convoluted semigroups, accepted in Math. Nachr.
7.	M. Kostić, S. Pilipović: Convoluted C-cosine functions and semigroups. Relations with ultradistribution and hyperfunction sines, accepted in J. Math. Anal. Appl.
8.	M. Kostić: Complex powers of operators, accepted in Publications De"l Institute Mathematique
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.
10.	M. Kostić: Convoluted operator families and abstract Cauchy problems, accepted in Kragujevac Journal of Mathematics

Summary data for teacher's scientific or art and professional activity:

Quotation total :	32			
Total of SCI(SSCI) list papers :	15			
Current projects :		Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kovačević M. Ilija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1972
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1990	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Mathematics - Beograd	Mathematical Sciences
Magister thesis	1975	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1971	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
8.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
9.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
10.	GS012	Selected Chapters in Mathematics	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
12.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
13.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
15.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. I.Kovačević, Some properties of Mn subsets and almost closed mappings, Indian J.pure appl. Math., 27(9), 1996., 875-881.

2. I.Kovačević, On almost closed mapping, paracompactness and partial equivalence relatuions, Indian Journal of Pure and Applied mathematics,25(9), 1994., 949-954.

3. I.Kovačević, On alfa-Hausdorff subsets, almost closed mappings and almost upper semicontinuous decomposition, Indian Jurnal of Pure and Applied mathematics 20 (4) 1989., 334-340.

4. Kiurski J., Oros I., Ralević N., Kovačević I., Adamović (Majkić) S., Krstić J., Čomić L.: Cluster and principal component analysis in the assessment of fountain solution quality, Carpathian Journal of Earth and Environmental Sciences, 2013, Vol. 8, No 1, pp. 19-23, ISSN 1842-4090

5. N. Adžić, I. Kovačević, V. Marić, V. Ungar, Matematička analiza 2, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-299.

6. I. Kovačević, N. Ralević, Funkcionalna analiza,FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje)2004., 1-203.

7. I. Kovačević, N. Ralević, B.Carić,V.Marić,M.Novković,S.Medić,Matematička analiza 1- uvodni pojmovi i granični procesi ,(Ponovljeno i dopunjeno izdanje), FTN (Edicija tehničke nauke-udžbenici) Novi Sad, 2012,1-155.

8. I.Kovačević, V.Marić, M.Novković, B.Carić, N.Ralević,S.Medić, Matematička analiza 1 - diferencijalni i integralni račun, obične diferencijalne jednačine (Ponovljeno i dopunjeno izdanje),FTN (Edicija tehničke nauke-udžbenici), Novi Sad,2012., 1-280.

9. I. Kovačević, Algebra, Naučna knjiga, Beograd, 1990., 1-116.

10. M.Novković,B.Carić,I.Kovačević, Zbirka rešenih zadataka iz verovatnoće i statistike, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje) 2012., 1-169.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	28			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	3	International :	2

Science, arts and professional qualifications

Name and last name:	Kovačević D. Vladimir
Academic title:	Emeritus Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.06.2010
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	1975	Military-Technical Faculty - Zagreb	Electrical and Computer Engineering
Magister thesis	1969	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1963	School of Electrical Engineering - Beograd	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	RT58	Dedicated Computer Structure Design 2	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
2.	DRT02	Selected Topics in Computer System Architectures	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. V.Kovačević, M.Popović, M.Temerinac, N.Teslić, Arhitekture i algoritmi digitalnih signal procesora I, Fakultet tehničkih nauka u Novom Sadu, 2004.
2. V. Kovačević, M. Popović, Sistemska programska podrška u realnom vremenu, Univerzitet u N. Sadu, Fakultet tehničkih nauka, 2002.
3. M. Popović, V. Kovačević, An Approach to Internet-Based Virtual Call Center Implementation, Networking - ICN 2001, Part I, Lecture Notes in Computer Science, Series Editors: G. Goos, J. Hartmanis, J. van Leeuwen, Volume Editor: P. Lorenz, ISBN 3-540-42302-8 Springer-Verlag Berlin Heidelberg New York, 2001, pp 75-84.
4. M. Popović, B. Atlagić, V. Kovačević, "Case study: a maintenance practice used with real-time telecommunication software", Journal of Software Maintenance and Evolution:Research and Practice, John Wiley & Sons, Ltd., 2001, No. 13, pp 97-126.
5. V.Kovačević, M.Popović, E.Šećerov, "Requirements for Operating Systems included in Virtual Machine System", System Science Journal, Vol.17, No.1, 1991.
6. N. Teslić, V. Kovačević, M. Temerinac, "An Approach in Fast IC Development for Digital Video Processing based on FPGA-s", FACTA UNIVERSITATES, March 2000.
7. Katona M., Pižurica A., Teslić N., Kovačević V., Philips W.: A Real-Time Wavelet-Domain Video Denoising Implementation in FPGA, EURASIP Journal on Embedded Systems, 2006, Vol. 2006, No Article ID 16035, pp. 1-12, ISSN 1687-3955, UDK: doi: 10.1155/ES/2006/16035
8. Katona M., Pižurica A., Teslić N., Kovačević V., Philips W.: FPGA Design and Implementation of a Wavelet-Domain Video Denoising System, Lecture notes in computer science, 2005, Vol. 3708, No Oct 2005, pp. 650-657, ISSN 0302-9743, UDK: doi: 10.1155/ES/2006/16035_82
9. Popović M., Kovačević V.: An Approach to Internet-Based Virtual Call Center Implementation , Lecture notes in computer science, 2001, pp. 75-84, ISSN 0302-9743
10. Teslić N., Kovačević V., Temerinac M.: An Approach in Fast IC Development for Digital Video Processing Based on FPGA-s, FACTA UNIVERSITATES, 2000, Vol. 13, No 2, pp. 245-256, UDK: http://factaee.elfak.ni.ac.rs/fu2k02/fu10.pdf

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	39			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kovačević V. Jelena
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1999
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	2010		Computer Engineering and Computer Communication
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	RT44	DSP Architecture and Algorithms 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	RT46	DSP Architecture and Algorithms 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	RT52	Dedicated Computer Structure Design 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
4.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
5.	EK465	Architectures of digital signal processors	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	RT59	Real-Time System Design	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
7.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DRT06	Selected chapters on DSP systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Kovacevic Jelena, Samardzija Dragan, Temerinac Miodrag, "Joint coding rate control for audio streaming in short range wireless networks", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Vol: 55 Nr: 2 Str: 486 - 491 ISBN: ISSN: 0098-3063, 2009 (M22)
2.	Kovacevic Jelena, Samardzija Dragan, Temerinac Miodrag, "Optimized Joint Coding Algorithm for Audio Streaming in Short Range Wireless Networks", International Conference on Consumer Electronics, Las Vegas, ISBN: 978-1-4244-4701-5, Izdavac: IEEE Consumer Electronic Society, 2009.
3.	Simic Dragan, Lukac Zeljko, Stefanovic Dejan, Kovacevic Jelena, Babic-Zdravkovic Sanja, "Real-time implementation of waveform interpolative voice codec with aspect to very low bit-rates" MIPRO - International convention on information and communication technology, electronics and microelectronics, Croatian Society For Microprocessor Systems And Information Systems, Microelectronics And Electronics, ISBN: 953-233-003-8, 2004.
4.	Jovanovic Marija, Kovacevic Jelena, "Partitioning DSP Applications on a Multi-core Architecture Based on Load Balancing", IEEE Eastern European Conference on the Engineering of Computer Based Systems, Str: 154 – 155, ISBN: 978-1-4244-4677-3, Izdavac: IEEE, 2009.
5.	Jovanovic Marija, Sajic Dejan, Kovacevic Jelena, "Optimization of lossless audio decoders on a class of embedded systems with two cores", International Conference on Digital Signal Processing, str. 1-6, ISBN: 978-1-4244-3297-4, Izdavac: IEEE, 2009.
6.	Popovic Miroslav,Basicevic Ilija,Velikic Ivan, Kovacevic Jelena, " A Model-Based Statistical Usage Testing of Communication Protocols",13th Annual IEEE International Symposium and Workshop on Engineering of Computer Based Systems (ECBS"06), Str: 377 – 386, ISBN: 0-7695-2546-6, Izdavac:ECBS
7.	Popovic Miroslav, Kovacevic Jelena, "A Statistical Approach to Model-Based Robustness Testing", 14th Annual IEEE International Conference and Workshop on Engineering of Computer Based Systems, str: 485 – 494, ISBN: 0-7695-2772-8, Izdavac: IEEE, 2007.
8.	Djukic Miodrag, Četic Nenad, Kovačević Jelena, Popovic Miroslav, "A C Compiler Based Methodology For Implementing Audio DSP Applications on a Class of Embedded Systems", ISCE, IEEE, ISBN: 978-1-4244-2422-1, 2008.
9.	Gajic Marko, Kovacevic Jelena, Petrovic Djordje, Temerinac Miodrag, Teslic Nikola, "A SMART POST PROCESSING ALGORITHM FOR REMOVING AUDIO DISTORTION" IBC 2011, Amsterdam Vol., Nr., Str.0-0, ISBN:, ISSN:, Izdavac: IBC 2011
10.	Gajic Marko, Kovacevic Jelena, Djukic Miodrag, Peckai-Kovac Robert,"Using a Simple Algorithm in SPP for Audio Quality Improvement Checkout" 19th Telecommunications forum TELFOR 2011, Serbia, Belgrade, November 22-24, 2011.Vol., Nr., Str.1115-1118, ISBN:978-1-4577-1498-6, ISSN:CFP1198P-CDR, Izdavac: Društvo za telekomunikacije – TELFOR

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Kovačević D. Aleksandar
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.07.2007
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Informatics
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Informatics
Bachelor's thesis	2003	Faculty of Sciences - Novi Sad	Information-Communication Systems

	ID	Course name	Study programme name, study type
1.	E2K42	Knowledge Based Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	ISIT03	Introduction to Programming	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT29	XML Technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT47	E-learning tools and technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	GI111	Information technologies in geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	SES203	Machine Learning	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	E2503	Data Mining and Data Analysis Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	E2514	Biologicaly inspired computing	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
10.	GS014	The application of information technologies in energy efficiency	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	E2524	Text Mining	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
12.	E2527	Business Intelligence	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	SEM005	Decision Support Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	DRNI07	Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DRNI14	Selected Chapters in Machine Learning	(E20) Computing and Control Engineering, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Pretraživanje zvučnih zapisa
2.	Adaptivni sistem za pretraživanje zvučnih zapisa
3.	Kovačević, A., Milosavljević, B. "The Use of R-Trees for Content-Based Audio Retrieval". In Proceedings of the 13th Scientific Conference on Industrial Systems, Herceg Novi, 2005. M63
4.	Kovačević A., Milosavljević, B., Konjović, Z. "Tjuniranje prostora osobina za pretraživanje zvučnih zapisa". Zbornik radova YUInfo 2006, Kopaonik, Srbija, 2006. ISBN: 86-85525-01-2. M63
5.	Kovačević, A., Milosavljević, B., Konjović, Z., and Vidaković, M. 2010. "Adaptive content-based music retrieval system". Multimedia Tools and Applications, 47(3) (May. 2010), pp. 525-544. doi: http://dx.doi.org/10.1007/s11042-009-0336-2. ISSN: 1380-7501 (Print), 1573-7721 (Online). M23
6.	Kovačević, A., Ivanović D., Milosavljević B., Konjović Z., Surla D., 2011. "Automatic extraction of metadata from scientific publications for CRIS systems" Program: Electronic library and information systems, 45(4), pp. 376 - 396. doi: http://dx.doi.org/10.1108/00330331111182094. ISSN: 0033-0337. M23
7.	Aleksandar Kovačević, Automatizovano izdvajanje semantike iz naučnih članaka u oblasti informatike, doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 2011.
8.	Majstorović D, Pele Z, Kovačević A, Čelanović N. "Computer Based Emulation of Power Electronics Hardware", In Proceedings of the First IEEE Eastern European Conference on the Engineering of Computer Based Systems, Novi Sad, Serbia, pages 56-64, 2009. ISBN: 978-0-7695-3759-7. M33
9.	Slivka, J. Kovačević, A., Konjović, Z., 2010. "Co-training based algorithm for datasets without the natural feature split." In Proceedings of the 8th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, 279-284, 2010. ISBN: 978-1-4244-7395-3. M33
10.	Miljković, D., Gajić, Lj., Kovačević, A., Konjović, Z., 2010. The use of data mining for basketball matches outcomes prediction. In Proceedings of the 8th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, 2010. 309-312. ISBN: 978-1-4244-7395-3. M33.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	12			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Kovačević -. Branko		
Academic title:	Full Professor		
Name of the institution where the teacher works full time and starting date:	School of Electrical Engineering - Beograd		
	01.01.1978		
Scientific or art field:	Electrical and Computer Engineering		
Academic carieer	Year	Institution	Field
Academic title election:	2000	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
PhD thesis	1984	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics
Magister thesis	1980	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics
Bachelor's thesis	1975	School of Electrical Engineering - Beograd	Automatic Control and System Engineering - Geoinformatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	DAU012	Selected chapters in signals and systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Branko Kovačević, Doktorska disertacija, 1984
2. Kovacevic, Branko, and Zeljko Durovic. Fundamentals of Stochastic Signals, Systems and Estimation Theory: With Worked Examples. Springer, 2008.
3. Terzija, Vladimir V, Milenko B Djuric, and Branko D Kovacevic. "Voltage phasor and local system frequency estimation using Newton type algorithm." Power Delivery, IEEE Transactions on 9.3 (1994): 1368-1374.
4. Durovic, Zeljko M, and Branko D Kovacevic. "Robust estimation with unknown noise statistics." Automatic Control, IEEE Transactions on 44.6 (1999): 1292-1296.
5. Stanković, Srdjan S, and Branko D Kovačević. "Analysis of robust stochastic approximation algorithms for process identification." Automatica 22.4 (1986): 483-488.
6. Markovic, Milan Z, Branko D Kovacevic, and Milan M Milosavljevic. "A statistical pattern recognition approach to robust recursive identification of nonstationary AR model of speech production system." Speech and Audio Processing, IEEE Transactions on 4.6 (1996): 456-460.
7. Filipović, Vojislav Ž, and Branko D Kovačević. "On robust AML identification algorithms." Automatica 30.11 (1994): 1775-1778.
8. ŽELJKO, M ĐUROVIĆ, and D KOVAČEVIĆ BRANKO. "QQ-plot approach to robust Kalman filtering." International Journal of Control 61.4 (1995): 837-857.
9. Kovačević, Branko, Željko Đurović, and Sonja Glavaški. "On robust Kalman filtering." International Journal of Control 56.3 (1992): 547-562.
10. G. Kvaščev, Ž. Đurović, B. Kovačević, (2010), 'Adaptive Recursive M-Robust System Parameter Identification Using the QQ-Plot Approach' , IET Control Theory & Applications

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	250		
Total of SCI(SSCI) list papers :	11		
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Kozmidis-Luburić F. Uranija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1975
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1988	Faculty of Sciences - Novi Sad	Physical Science
Magister thesis	1986	Faculty of Physics - Beograd	Physical Science
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Physical Science

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	EOS06	Physics	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	A401	Architectural Physics	(A00) Architecture, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	U.F.Kozmidis-Luburić and B.S.Tošić, "NON-LINEAR OPTICAL EFFECTS AND THE DIELECTRIC PROPERTIES OF CRYSTALS", Physica B 112, 331(1982)
2.	D.Mirjanić, U.F.Kozmidis-Luburić, M.M.Marinković and B.S.Tošić, "COMBINED EFFECT OF EXCITION-EXCITION AND EXCITION-PHONON INTERACTION ON CRYSTALS DIELECTIC PROPERTIES", Can. J. Phys. 60, 1838(1982)
3.	U.F. Kozmidis-Luburić and B.S. Tošić, "KINEMATICAL INTERACTION OF OPTICAL EXCITATION AND CONSEQUENCES", Physica A 153, 266(1988)

	Representative refferences (minimum 5, not more than 10)
4.	LJ. Budinski-Petković and U.Kozmidis-Luburić, "J AMING CONFIGURATIONS FOR IRREVERSIBLE DEPOSITION ON A SQUARE LATTICE", Psysica A 236, 211(1997)
5.	Lj. Budinski-Petković and U. Kozmidis-Luburić, "RANDOM SEQUENTIAL ADSORPTION ON A TRIANGULAR LATTICE", Psysical Review E 56, 6904(1997)
6.	V.Sajfert,B.S.Tošić,M.Marinković and U.F.KOZMIDIS-LUBURIĆ,"SURFACE DEFORMATION IN FILMS AND EXCITON CONCETRATION", Physica A 166, 430(1990)
7.	B.S.Tošić, Lj.Mašković, U. F. KOZMIDIS-LUBURIĆ, V.Jovovic and G. Davidovic, "Transition FROM THE DEFORMED STRUCTURE TO THE STATISTICALLY EQUIVALENT IDEAL STRUCTURE AND AN ESTIMATE OF THE BASIS PHYSICAL CHARACTERISTICS OF THE DEFORMED STRUCTURE", Physica A 216, 478(1995)
8.	V.Jovović, G.Davidović, B.S.Tošić,Lj.Mašković, U.F.KOZMIDIS-LUBURIĆ and D.Ćirić,"MASS DISTRIBUTION IN HETEROGENEOUS STRUCTURES", Physica A 223,263(1996)
9.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION ON DISORDERED SUBSTRATES: LINE SEGMENTS ON A SQUARE LATTICE", Physica A 245,261(1997)
10.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION OF DIRECTED SELF-AVOIDING RANDOM WALKS ON A SQUARE LATTICE", Physica A 262,388(1999)

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	68			
Total of SCI(SSCI) list papers :	23			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:			Kozmidis-Petrović F. Ana	
Academic title:			Full Professor	
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad	
			01.09.1975	
Scientific or art field:			Physics	
Academic carieer	Year	Institution		Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad		Physics
PhD thesis	1984	Faculty of Sciences - Novi Sad		Physics
Magister thesis	1980	Faculty of Mathematics - Beograd		Physical Science
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad		Physical Science

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	M101	Technical Physics	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	ZR440	Influence of radiation on health and occupational safety	(Z01) Safety at Work, Undergraduate Academic Studies
5.	ZC008	Technical physics	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
7.	SZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Specialised Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
8.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
9.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
10.	ZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	D. M. Petrović, A. F. Petrović, V. M. Leovac, S. R. Lukić: Thermal decomposition of Cu(II) complexes with salicyladehyde S-methylthiosemicarbazone, Journal of Thermal Analysis, 42, 1165-1170, 1994.
2.	S.R. Lukić, D. M. Petrović, A. F. Petrović, F. Skuban, I.I. Turyanitsa: Tendency towards crystallization of Ge-As-Te system glasses, Journal of Materials Science Lett., 15,.
3.	A. F. Petrović, S. R. Lukić, D. M. Petrović, E. Z. Ivegeš, V. M. Leovac: Metal complex with pyrazole derived ligands. Part IV. Thermal decomposition of Cobalt(II) complexes with 3(5)-amino-4-acetyl 5(3) mathylpyrazole, Journal of Thermal Analysis, 47, 879-886,
4.	S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSeyIz, Journal of Non-Crystalline Solids, 241, 74-77, 1998.
5.	S. R. Lukić, V. M. Leovac, A. F. Petrović, S. J. Skuban, V. I. Češljević, M. M.Garić: Metal Complexes with Pyrazole-derived Ligands. XIII. Synthesis and Thermal Studies of Zn(II) Complexes with 3-amino-4-acetyl-5-methylpyrazole, Synth.React.Inorg. Met.-Org.Chem.,2002
6.	S. R. Lukić, S. J. Skuban, D. M. Petrović, A. F. Petrović, M. Garić, Characteristics of complex non-crystalline chalcogenides from the Ge-As-S-Se-I system, Journal of Optoelectronics & Advanced Materials, 6(3), 755-768, 2004.
7.	A. F. Petrović, S.R. Lukić, D.D. Štrbac: Critical rate of cooling glassy melts under conditions of continuous nucleation.The application to some chalcogenide glasses, Journal of Optoelectronics & Advanced Materials, 6(4) 1167-1177, 2004.
8.	S. R. Lukić, D. M. Petrović, Ž. N. Cvejić,.A F. Petrović, F. Skuban: Thermally-induced Structural Changes in Copper-containing Chalcogenide Thin Films, Journal of Optoelectronics & Advanced Materials, 3(2), 337-340, 2001.
9.	S.R. Lukić, D.M. Petrović, G.R.Štrbac, A.F.Petrović, M Šiljegović : Effect of sulfur atom substitute with selenium on stability of glassy Ge20As14SxSe52-xl14, Journal of Physics and Chemistry of Solids 66, 1683-1686 (2005)
10.	A.F.Kozmidis-Petrovic, G.R.Strbac, D.D.Strbac, Kinetics of non-isothermal crystallization of chalcogenide, J.Non-Cyst.Solids, 2014–2019, 353(2007)2014

Summary data for teacher's scientific or art and professional activity:

Quotation total :	153			
Total of SCI(SSCI) list papers :	25			
Current projects :		Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kukolj D. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.05.1983
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	1993	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1988	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1982	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	RT43	Engineering of Computer Based Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	RT59	Real-Time System Design	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
3.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
4.	DRT09	Computational Intelligence Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. D. Kukolj, E. Levi, Identification of Complex Systems Based on Neural and Takagi-Sugeno Fuzzy Model, IEEE SMC-part B, Vol. 34, No. 1, February 2004, pp.272-282.
2. D. Kukolj, S. Kuzmanovic, E. Levi, Design of a Near-Optimal, Wide-Range Fuzzy Logic Controller, Fuzzy Sets & Systems, Vol. 120, No. 1, May 2001, pp. 17-34.
3. D. Kukolj, S. Kuzmanovic, E. Levi, Design of a PID-Like Dual Fuzzy Logic Controller, IFAC Engineering Applications of Artificial Intelligence, Vol. 14, no. 6, 2001, pp. 785-803.
4. D. Kukolj et al., Determining Topological Changes And Critical Load Levels Of A Power System By Means Of Artificial Neural Networks, Electric Machines and Power Systems, Vol.25, No.8, Oct. 1997, pp. 917-926.
5. D. Kukolj, et al., Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, ETEP -European Transactions on Electrical Power Engineering. Vol.8, No.3, May-June 1998, pp. 207-212.
6. D. Popovic, D. Kukolj, F. Kulic, Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with Reduced Input Set, IEE Proceedings Generation, Transmission and Distribution, Vol. 145, No.4, 1998, pp. 355-362.
7. D. Kukolj, M.Berko-Pušić, B. Atlagić, Experimental Design of Supervisory Control Functions Based on Multylayer Perceptron, Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 15(5) 2001, pp. 425-431.
8. D. Kukolj, S. Kuzmanovic and E. Levi, Design of an Optimised Dual Fuzzy Logic Speed Controller for High Performance Electric Drives, Engineering in Intelligent Systems, ENGINEERING INTELLIGENT SYSTEMS FOR ELECTRICAL ENGINEERING AND COMMUNICATION, Vol. 8; No. 4, dec. 2000, pp. 233-243.
9. D. Kukolj, F. Kulic, E. Levi, Design of the Speed Controllers for Sensorless Electric Drives Based on AI Techniques: A Comparative Study, Artificial Intelligence in Engineering: An International Journal, Vol. 14, No. 2, Apr. 2000, pp. 165-174
10. D. Kukolj, Design of Adaptive Takagi-Sugeno-Kang Fuzzy Model, Applied Soft Computing Vol. 2, No. 2, December 2002, pp. 89-103.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	50			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Kulić J. Filip
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1994
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Electroenergetics

	List of courses being held by the teacher in the accredited study programmes		

	ID	Course name	Study programme name, study type
1.	AU44	Control Systems Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E226	Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E238A	Control Systems Technology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	EEI302	Systems of Automatic Control in Power Engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
6.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
7.	M325	Automatic Control Systems	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E2315	Electrical Machines in Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	EMSAU1	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	DE410S	Selected Topics in the Field of Automatic Control	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies

	ID	Course name	Study programme name, study type
14.	E2515	Intelligent Control Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
19.	DE410	Selected Topics in the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Dragan Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije automatskog upravljanja kroz rešene probleme, Sombor, Somel, 1995. 241str., UDK: 681.5(075.8),
2.	Dragan Kukolj, Filip Kulić: Projektovanje sistema automatskog upravljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka, 1995. 232str., UDK: 681.5(075.8),
3.	D.Kukolj, F.Kulić, E.Levi: Design Of The Speed Controller For Sensorless Electric Drives Based On AI Techniques: A Comparative Study, Artificial Intelligence in Engineering, 2000, Vol. 14, str. 165- 174
4.	D.Kukolj, S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wide Range Fuzzy Logic Controller, Fuzzy Sets and Systems, 2001, Vol. 120, No. 1, str. 17- 34
5.	D.Kukolj, F.Kulić, D.Popović, Z.Gorečan: Determining Topological Changes and Critical Load Levels of a Power System by Means of Artificial Neural Network, Electric Machines and Power Systems, 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.
6.	D.Kukolj, D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, European Transactions on Electrical Power (ETEP), 1998, Vol. 8, No. 3, str. 207- 212, ISSN 1430-144X.
7.	D.Popović, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with a Reduced Input Set, IEE Proc. -Gener. Transm. Distrib, 1998, Vol. 145, No. 4, str. 355- 362, ISSN 1350-2360.

Representative refferences (minimum 5, not more than 10)					
8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: "Support vector machine classifier for diagnosis in electrical machines: Application to broken bar", Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.				
9.	Čongradac Velimir, Kulić Filip: "Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation", Energy and Buildings, vol. 47, str. 651-658; April 2012.				
10.	Ilić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: "Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br. , str. S215-S224, 2012				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :	32				
Total of SCI(SSCI) list papers :	12				
Current projects :	Domestic :	2	International :	0	

Science, arts and professional qualifications

Name and last name:	Kupusinac D. Aleksandar
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2007
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	2005	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E131	Object-Oriented Programming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E223A	Object Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	EOS36	Elektronsko poslovanje i ugovaranje	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
4.	SZP01	Selected topics in Information technologies	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
5.	DRNI01	Selected Topics in Computer Programming	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Kupusinac A.: Zbirka rešenih zadataka iz programskog jezika C++. Novi Sad: FTN, 2011.
2.	Malbaški D., Kupusinac A., Popov S.: The Impact of Coding Style on the Readability of C Programs, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1073-1082, ISSN 1840-1503
3.	Dobromirov D., Radišić M., Kupusinac A.: Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233
4.	Kupusinac A., Malbaški D.: Automatic Verification of Inheritance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 177-180, ISBN 978-86-7892-341-8
5.	Malbaški D., Kupusinac A.: Classification of Invariants in Class Based on Conceptual Definitions, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011, pp. 181-185, ISBN 978-86-7892-341-8
6.	Sečujski M., Kupusinac A., Pekar D.: Prediction of phone duration in Serbian language based on decision trees, 3. Die Unterschiede zwischen dem Bosnischen/ Bosniakischen, Kroatischen und Serbischen, Graz, 16-18 April, 2009, pp. 229-240
7.	Kupusinac A., Sečujski M.: Part-of-Speech Tagging Based on Combining Markov Models and Machine Learning, 3. Speech and Language, Beograd: IEPSP, LAAC, 13-14 Novembar, 2009, pp. 324-333, ISBN 978-86-81879-26-9
8.	Delić V., Sečujski M., Kupusinac A.: Transformation-Based Part-Of-Speech Tagging For Serbian Language, 8. WSEAS Intnl. Conf. on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS), Peurto de la Cruz: Tenerife, Spain, 14-16 Decembar, 2009, pp. 98-103
9.	Malbaški D., Kupusinac A.: The Strong Object Invariant, Technology Education Management Informatics - TEM, 2012, Vol. 1, No 1, pp. 9-15, ISSN 2217-8309
10.	Kupusinac A., Malbaški D.: Analysis of Loop Semantics using S-formulas, Technology Education Management Informatics - TEM, 2012, Vol. 1, No 2, pp. 72-77, ISSN 2217-8309

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Luković S. Ivan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.05.1991
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2006	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1993	School of Electrical Engineering - Beograd	Applied Computer Science and Informatics
Bachelor's thesis	1990	Military-Technical Faculty - Zagreb	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2I40	Database Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E2I41	Information System Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
3.	GI205	Information Systems and Databases	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	GI408A	Geospatial Databases	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	RI43A	Databases 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
6.	RI43B	Databases 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
7.	0RI43B	Databases 2	(ES0) Power Software Engineering, Undergraduate Academic Studies
8.	BM118E	Databases	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	EE417A	Databases	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	SE0013	Data Organization	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	E2502	Data Warehouse Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
13.	E2517	Database Management Systems	(E20) Computing and Control Engineering, Master Academic Studies (ES0) Power Software Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	E2518	Software Based Business Process Modeling	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	E2530	Domain Specific Modeling and Languages	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DRNI04	Selected Topics in Database Management	(E20) Computing and Control Engineering, Doctoral Academic Studies
18.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
19.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Luković I., Ivančević V., Čeliković M., Aleksić S.: DSLs in Action with Model Based Approaches to Information System Development, in the book: Formal and Practical Aspects of Domain-Specific Languages: Recent Developments; Chapter 17., IGI Global, USA, 2013, pp. 502-532, ISBN 978-1-4666-2092-6.

2. Luković I.: From the Synthesis Algorithm to the Model Driven Transformations in Database Design, 10. International Scientific Conference on Informatics, Herlany: Slovak Society for Applied Cybernetics and Informatics and Technical University of Košice - Faculty of Electrical Engineering and Informatics, 23-25 Novembar, 2009, pp. 9-18, ISBN 978-80-8086-126-1. (Invited paper).

3. Luković I.: Application of Information System Development Tools and Methods - Some Experiences from Industry and Research Projects in Serbia, 9. International Business Informatics Conference – Symposium on Business Informatics in Central and Eastern Europe, Vienna: Austrian Computer Society and University of Vienna, 25-27 Februar, 2009, pp. 119-128, ISBN 978-3-85403-242-7. (Invited paper).

4. Luković I: An Approach to Specification and Generation of Software Systems using Form Types, 2nd Conference on Compilers, Related Technologies and Applications (CoRTA 2008), July 11, 2008, Braganca, Portugal, Proceedings, Polytechnic Institute of Braganca, Portugal, ISBN: 978-972-745-096-1, pp. 4. (Invited talk).

5. Mogin P, Luković I, Govedarica M: Principi projektovanja baza podataka, II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, 2004, ISBN: 86-80249-81-5, 700 str.

6. Mogin P, Luković I: Principi baza podataka, Univerzitet u Novom Sadu, Fakultet tehničkih nauka i MP "Stylos", Novi Sad, 1996, 350 str.

7. Obrenović N., Aleksić S., Popović A., Luković I.: Transformations of Check Constraint PIM Specifications, COMPUTING AND INFORMATICS, SLOVAK ACADEMY OF SCIENCES, ISSN 1335-9150, 2012, Vol. 31, No. 5, pp. 1045-1079.

8. Luković I, Mogin P, Pavićević J, Ristić S, "An Approach to Developing Complex Database Schemas Using Form Types", Software: Practice and Experience, John Wiley & Sons Inc, Hoboken, USA, ISSN: 0038-0644, DOI: 10.1002/spe.820, Vol. 37, No. 15, 2007, pp. 1621-1656.

9. Luković I., Pereira Varanda M., Oliveira N., Cruz D., Henriques Rangel P.: A DSL for PIM Specifications: Design and Attribute Grammar based Implementation, Computer Science and Information Systems (ComSIS), ISSN 1820-0214, 2011, Vol. 8, No 2, pp. 379-403.

10. Čeliković M., Luković I., Aleksić S., Ivančević V.: A MOF based Meta-Model and a Concrete DSL Syntax of IIS*Case PIM Concepts, Computer Science and Information Sistems, ISSN 1820-0214, 2012, Vol. 9, No 3, pp. 1075-1103.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	22			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Malbaški T. Dušan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.06.1975
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1980	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1974	School of Electrical Engineering - Beograd	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E111	Programming Languages and Data Structures	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E131	Object-Oriented Programming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E214	Programming Languages and Data Structures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
4.	E223A	Object Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
5.	H207	Programming and Programming Languages	(F10) Engineering Animation, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	GI111	Information technologies in geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	DRNI01	Selected Topics in Computer Programming	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
8.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	(koautori D.Obradović i V.Malbaša): "Analysis and Practical Considerations of an Improved Multimicroprocessor System", časopis Microprocessing and Microprogramming, North-Holland, no. 16, 1985 (naziv promenjen u Journal of Systems Architecture).
2.	(koautori J.Rekecki i dr.): "Automatic Design of the Technological Process for NC Lathes by the Use of SAPOR-S System", International Journal on Production Research, Vol. 21 No. 2, 1983.
3.	Malbaški D., Kupusinac A., Popov S.: The Impact of Coding Style on the Readability of C Programs, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1073-1082, ISSN 1840-1503
4.	(koautor D.Ivetić): "A Dichotomous Software Life Cycle Model", Journal of Applied Systems Studies, Cambridge International Science Publishing, Cambridge, England, vol. 2, No 2, 2001
5.	(koautori D.Obradović i V.Malbaša):: "Multimicroprocessor Performance VS Shared Bus Efficiency", ACM Europian Regional Conference, Florence, Italy, 1985.<\eng>
6.	(koautor D.Ivetić): "Some Notes on the Formal Definition of Streams", YUJOR, Vol.6, No. 2, 1996.
7.	(koautori M.Khlaif, D.Obradović): "A New Approach to Soft System Methodology", Automatika, Vol 30. (1989), No. 1-2.

	Representative refferences (minimum 5, not more than 10)
8.	(koautor D.Obradović): "CLAS-a Formal Aid to Data Elements Identification", časopis YUJOR, vol. 4, no. 2, 1994.
9.	(koautor D. Ivetić) "UML? HCI = Essential Modeling", IEEE 7th INES Conference, 4-6 March, Assuit-Luxor, Egypt, 2003.
10.	(koautori B. Markoski, P. Hotomski): " Symbolic Execution in Program Testing", International ZEMAK Symposium, Struga, Macedonia, 2002

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Mernik R. Marjan
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Computer Science

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Computer Science
PhD thesis	1998		Computer Science
Magister thesis	1994		Computer Science

List of courses being held by the teacher in the accredited study programmes			

	ID	Course name	Study programme name, study type
1.	DRNI01	Selected Topics in Computer Programming	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Fister, Iztok, Jr.; Mernik, Marjan; Fister, Iztok; et al.: Implementation of EasyTime Formal Semantics using a LISA Compiler Generator, COMPUTER SCIENCE AND INFORMATION SYSTEMS, Volume: 9, Issue: 3, Pages: 1019-1044 DOI: 10.2298/CSIS111110021F. (2012)
2.	Hrncic, Dejan; Mernik, Marjan; Bryant, Barrett R.: Improving Grammar Inference by a Memetic Algorithm, IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, Volume: 42, Issue: 5, Pages: 692-703, DOI: 10.1109/TSMCC.2012.2186802 (2012).
3.	Kosar, Tomaz; Mernik, Marjan; Carver, Jeffrey C.: Program comprehension of domain-specific and general-purpose languages: comparison using a family of experiments, EMPIRICAL SOFTWARE ENGINEERING, Volume: 17, Issue: 3, Pages: 276-304, DOI: 10.1007/s10664-011-9172-x (2012).
4.	Hrncic, Dejan; Mernik, Marjan; Bryant, Barrett R.; et al.: A memetic grammar inference algorithm for language learning, APPLIED SOFT COMPUTING, Volume: 12, Issue: 3, Pages: 1006-1020, DOI: 10.1016/j.asoc.2011.11.024 (2012).
5.	Mongus, D.; Repnik, B.; Mernik, M.; et al.: A hybrid evolutionary algorithm for tuning a cloth-simulation model, APPLIED SOFT COMPUTING, Volume: 12, Issue: 1, Pages: 266-273, DOI: 10.1016/j.asoc.2011.08.047 (2012).
6.	Fister, Iztok; Mernik, Marjan; Filipic, Bogdan: A hybrid self-adaptive evolutionary algorithm for marker optimization in the clothing industry, APPLIED SOFT COMPUTING, Volume: 10, Issue: 2, Pages: 409-422, DOI: 10.1016/j.asoc.2009.08.001 (2010).
7.	Bryant, Barrett R.; Gray, Jeff; Mernik, Marjan; et al.: Challenges and Directions in Formalizing the Semantics of Modeling Languages, COMPUTER SCIENCE AND INFORMATION SYSTEMS, Volume: 8, Issue: 2, Pages: 225-253, DOI: 10.2298/CSIS110114012B (2011).
8.	Sprinkle, Jonathan; Mernik, Marjan; Tolvanen, Juha-Pekka; et al.: What Kinds of Nails Need a Domain-Specific Hammer?, IEEE SOFTWARE, Volume: 26, Issue: 4, Pages: 15-18 (2009).
9.	Rebernak, D.; Mernik, M.; Wu, H.; et al.: Domain-specific aspect languages for modularising crosscutting concerns in grammars, IET SOFTWARE Volume: 3 Issue: 3 Pages: 184-200 DOI: 10.1049/iet-sen.2007.0114 (2009).
10.	Brest, Janez; Greiner, Saso; Boskovic, Borko; Mernik, Marjan; et al.: Self-adapting control parameters in differential evolution: A comparative study on numerical benchmark problems, IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION Volume: 10 Issue: 6 Pages: 646-657 DOI: 10.1109/TEVC.2006.872133 (2006).

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	280		
Total of SCI(SSCI) list papers :	88		
Current projects :	Domestic :	1	International :	2

Science, arts and professional qualifications

Name and last name:	Mihailović P. Biljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2009	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2003	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences

	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

	ID	Course name	Study programme name, study type
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. E. Pap, B. Mihailović: A representatation of a comonotone-v-additive and monotone functional by two Sugeno integrals, Fuzzy Sets and Systems 155, (2005) 77-88

2. B. Mihailović, E. Pap: Sugeno integral based on absolutely monotone real set functions, Fuzzy Sets and Systems, Vol 161, Issue 22, (2010) 2857-2869

3. B. Mihailović, E. Pap: Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, Fuzzy Sets and Systems 181, (2011) 39-49.

4. B. Mihailović, E. Pap: Asymmetric general Choquet integrals, Acta Polytechnica Hungarica, Volume 6, Issue Number 1, (2009) 161-173.

5. Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg , (2013) 61-75.

Representative refferences (minimum 5, not more than 10)	
6.	B. Mihailović, Lj. Nedović, T. Grbić : The induced Sugeno integral-based operator w.r.t bi-fuzzy measures, Journal of Electrical Engineering, Vol.54, No. 12/s, (2003) 76-79.
7.	B. Mihailović, E. Pap: Non-monotonic set functions and general fuzzy integrals, Proceedings of SISY 2008, Subotica, (2008) 371-374.
8.	B. Mihailović: On the class of symmetric S-separable aggregation functions Proceedings of AGOP 2007, Ghent, Belgium, (2007) 187-191.
9.	B. Mihailović, E. Pap: Decomposable signed fuzzy measures, Proceedings of EUSFLAT 2007, Ostrava, Czech Republic, (2007) 265-269.
10.	B. Mihailović, M. Manzi: On the asymmetric Shilket-like integral, Proceedings of AGOP2011, Benevento, Italy, (2011) 73-77.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	10			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Milosavljević R. Gordana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1995
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010		Computer Science
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Computer Science

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E242	Software Specification and Modeling	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	RI53	Business Information Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	ISIT35	Poslovna informatika	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	ISIT37	Konfigurisanje i administracija baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES202	Model Driven Software Development	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	SES204	Advanced Programming Tecnics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

	ID	Course name	Study programme name, study type
			List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
15.	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević.: User Interface Code Generation for EJB-Based Data Models Using Intermediate Form Representations. Principles and Practice of Programming in Java, Kilkenny, Ireland, 2003
2.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević: User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models, Software Engineering Research and Practice (SERP"03), Las Vegas, USA, 2003
3.	G. Milosavljević, B. Perišić: Really Rapid Prototyping of Large-Scale Business Information Systems, IEEE International Workshop on Rapid System Prototyping, San Diego, USA, 2003
4.	Milosavljević G., Ivanović D., Milosavljević B., Surla D.: Automated Construction of the User Interface for a CERIF-Compliant Research Management System, The Electronic Library, 2011, Vol. 29, No 5, pp. 565-588, ISSN 0264-0473
5.	Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214
6.	Ivanović D., Milosavljević G., Milosavljević B., Surla D.: A CERIF-Compatible Research Management System Based on the MARC 21 Format, Program: Electronic Library and Information Systems, 2010, Vol. 44, No 3, pp. 229-251, ISSN 0033-0337
7.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214
8.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration, Birmingham, England
9.	Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf
10.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Milosavljević P. Branko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E2E41	E-Business Systems Security	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F214I2	Raster Graphics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	RI41	Internet Software Architectures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
7.	SEI41	Internet Software Architectures	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	ISIT03	Introduction to Programming	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
11.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
12.	ISIT29	XML Technologies	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
13.	BMI95	Introduction to Computer Science	(BM0) Biomedical Engineering, Undergraduate Academic Studies
14.	EIWDS	Web-based Measurement and Data Acquisition Systems	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
15.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
18.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
19.	E2526	Service Oriented Architectures	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
20.	DE417	Web-based Measurement Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
21.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
23.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
24.	FDS151	Selected Chapters in Multimedia	(F00) Graphic Engineering and Design, Doctoral Academic Studies
25.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
26.	FDS224	Selected Chapters in Programming	(F00) Graphic Engineering and Design, Doctoral Academic Studies
27.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Branko Milosavljević. Models for Extensible Multimedia Document Retrieval. In IEEE 6th International Symposium on Multimedia Software Engineering, Miami, FL, 2004.
2.	Branko Milosavljević, Milan Vidaković, Srđan Komazec, and Gordana Milosavljević. User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models. In Software Engineering Research and Practice (SERP"03), Las Vegas, NV 2003.
3.	Branko Milosavljević and Zora Konjović. Design of an XML-Based Extensible Multimedia Information Retrieval System. In IEEE Multimedia Software Engineering (MSE2002), Newport Beach, CA, 2002. pp. 114-121.
4.	G. Sladić, B. Milosavljević, Z. Konjović. Extensible Access Control Model for XML Document Collections, Intl. Conf. on Security and Cryptography ICETE-SECRYPT"07, Barcelona, Spain, 2007.
5.	Branko Milosavljević, Milan Vidaković, and Zora Konjović. Automatic code generation for database-oriented web applications. In James Power and John Waldron, editors, Recent Advances in Java Technology: Theory, Application, Implementation, pages 89-98. Trinity College Dublin, 2003.

	Representative refferences (minimum 5, not more than 10)				
6.	Danijela Tešendić, Branko Milosavljević, and Dušan Surla. A library circulation system for city and special libraries. The Electronic Library, 27(1):162-186, 2009. ISSN: 0264-0473, DOI: 10.1108/02640470910934669.				
7.	Jelena Radjenović, Branko Milosavljević, and Dušan Surla. Modelling and implementation of catalogue cards using FreeMarker. Program: electronic library and information systems, 43(1):62-76, 2009. ISSN: 0033-0337, DOI: 10.1108/00330330910934110.				
8.	Milan Vidaković, Branko Milosavljević, Zora Konjović, and Goran Sladić. Extensible Java EE-based agent framework and its application on distributed library catalogues. Computer Science and Information Systems (ComSIS), 6(2):1-28, 2009. ISSN: 1820-0214, DOI: 10.2298/csis0902001V.				
9.	Aleksandar Kovačević, Branko Milosavljević, Zora Konjović, and Milan Vidaković. Adaptive content-based music retrieval system. Multimedia Tools and Applications, 47(3):525-544, 2010. ISSN: 1380-7501, DOI: 10.1007/s11042-009-0336-2.				
10.	Bojana Dimić, Branko Milosavljević, and Dušan Surla. XML schema for UNIMARC and MARC 21. The Electronic Library, 28(2):245-262, 2010. ISSN: 0264-0473, DOI: 10.1108/02640471011033611.				
	Summary data for teacher's scientific or art and professional activity:				
	Quotation total :	0			
	Total of SCI(SSCI) list papers :	15			
	Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Novaković N. Branislava
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.12.1997
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2011		Deformable Body Mechanics
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Theory of Construction

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
4.	M2412	Theory of Elasticity	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
5.	M4402	Dynamics and Stability of Constructions	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	BMI96	Mechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	M2546	Selected Chapters in the Theory of Elasticity	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M4503	Higher Course in Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
10.	DAU003	Selected Chapters in Mechanics	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
11.	DM403	Mathematical Rod Theory	(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Atanackovic, T. M., Novakovic, B. N.: ON A FRACTIONAL DERIVATIVE TYPE OF A VISCOELASTIC BODY. Theoretical and Applied Mechanics. Vol. 28-29, pp 27-37, Belgrade 2002
2. B. N. Novakovic, T. M. Atanackovic.: ON STABILITY OF THE COLUMN WITH A STEP CHANGE IN A CROSS SECTION. Iranian Journal of Science and Technology. Vol 28, No B4, 2004
3. T. M. Atanackovic, B. N. Novakovic, : OPTIMAL SHAPE OF AN ELASTIC COLUMN ON ELASTIC FOUNDATION. European Journal of Mechanics A/Solids. Vol.25, No 1, pp 154-165, 2006
4. Branislava N. Novaković: O STABILNOSTI ŠTAPA NA ELASTIČNOJ PODLOZI, Međunarodna konferencija 2006 SAVREMENI PROBLEMI U GRAĐEVINARSTVU, Subotica, 2-3 Jun 2006
5. Novakovic B., Atanackovic T.: ON THE OPTIMAL SHAPE OF AN ELASTIC ROD ON ELASTIC FUONDATION, The First International Conference on Computational Mechanics, Belgrade, November 15-17, 2004
6. B. N. Novakovic, STABILITY OF THE COLUMN WITH A STEP CHANGE, 23th Congress of Theoretical and Applied Mechanics, Belgrade, October 12-13, 2001
7. B. N. Novakovic, ON STABILITY OF THE COLUMN WITH A STEP CHANGE, ISIRR 2002, Novi Sad, October 2002

	Representative refferences (minimum 5, not more than 10)
8.	Atanackovic T., Novakovic B. : STABILITY OF AN ELASTIC ROD ON ELASTIC FOUNDATION,24th Congress of Theoretical and Applied Mechanics, Belgrade, October 9-10, 2003.
9.	B. N. Novaković, T. M. Atanacković: STABILNOST ELASTIČNOG ŠTAPA NA ELASTIČNOJ PODLOZI, INDIS 2003, 9th National and 3rd International scientific meeting, Novi Sad,
10.	Atanackovic T.M., Novakovic B.N.: OPTIMAL SHAPE OF AN ELASTIC, 25th Congress of Theoretical and Applied Mechanics, Novi Sad, June1-3, 2005.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	2			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Obradović J. Đorđe
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.07.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011		Applied Computer Science and Informatics
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E236A	Computational Intelligence Fundamentals	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E2K40A	Soft Computing	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT30	Business process management systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0013	Data Organization	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	E2511	Fuzzy Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(ES0) Power Software Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
10.	E2512	Neural Networks	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	EP002	EBusiness technologies and systems	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	E2536	Mobile Application Development	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	DRNI07	Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	DRNI14	Selected Chapters in Machine Learning	(E20) Computing and Control Engineering, Doctoral Academic Studies
15.	DRNI17	Selected Topics in ICT enhanced learning	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Konjović Z., Obradović Đ., Racković M., Object oriented implementation of the neural network training system, Proc. Of Seventh IFSA '97 World Congress, Prague 1997.
2. Obradović Đ. Jovanović D., Konjović Z., Govedarica M., Web based software system supporting detection of topographical symbols, InterGeoEast 2006.
3. Obradović Đ. Racković M., Algorithmic Structure for Representation of the Various Neural Network Models, XI Conference on Applied Mathematics PRIM '96 Budva 1996.
4. Konjović Z., Fišl I., Obradović Đ., "Specification of the language for reporting in library information system", YuInfo'98, Kopaonik 1998.
5. Obradović Đ., Konjović Z.,"The system for the computer supported testing students knowledge", YuInfo'99, Kopaonik 1999.
6. Šolajić D., Obradović Đ., Konjović Z., "Reengineering in the anthropomorphic gait simulation system", PRIM 2000
7. Obradović Đ., Konjović Z., "Anthropomorphic Gait Simulation System", PRIM 2000
8. Obradović Đ., Šolajić D., Konjović Z. "Softverski sistem za administriranje procesa izvođenja nastave", YUINFO 2004
9. Šolajić D., Obradović Đ., Konjović Z., "Web bazirana aplikacija za podršku razvoju softverskog projekta" YUINFO 2004
10. Jovanović D., Obradović Đ., Konjović Z., Govedarica M., Softverski sistem za detekciju topografskih znakova na kartama i mapama, YuInfo, Kopaonik 2005.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:		Okanović Đ. Dušan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2004	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Science

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E233	Internet Networks	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	ISIT23	Web Programming	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	ISIT30	Business process management systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	ISIT34	Identity Management	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	ISIT36	Software Development Tools	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT43	Configuration and Administration of Computer Systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT45	eTrade and eBanking technologies and systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	AD0008	Web design in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
12.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
13.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Okanović D., van Hoorn A., Konjović Z., Vidaković M.: SLA-Driven Adaptive Monitoring of Distributed Applications for Performance Problem Localization, Computer Science and Information Systems (ComSIS), 2012, ISSN 1820-0214
2.	Dušan Okanović, Zora Konjović, Automatska inicijalizacija klasa iz XML datoteke, Zbornik radova YU INFO 2005 (CD), Kopaonik 2005.
3.	Dušan Okanović, Milan Vidaković, Upotreba JMX MLet servisa za ažuriranje verzija Java aplikacija, Zbornik radova YU INFO 2007 (CD), Kopaonik 2007.
4.	Đorđe Obradović, Milan Vidaković, Zora Konjović, Dušan Okanović, "Generator ekranskih formi za JBoss Seam bazirane aplikacije", Zbornik radova YU INFO 2008 (CD), Kopaonik 2008.
5.	Dušan Okanović, Milan Vidaković, "Primena jBPM okruženja u implementaciji eUprave", Zbornik radova YU INFO 2009 (CD), Kopaonik 2009.
6.	Valentin Penca, Siniša Nikolić, Dušan Okanović, "Detekcija Skype saobraćaja sistemom za detekciju upada u mrežu Snort", Zbornik radova YU INFO 2009 (CD), Kopaonik 2009.
7.	Okanović D., Vidaković M.: Software Performance Prediction Using Linear Regression, 2. International Conference on Information Society Technology and Management, Kopaonik, 29 mart-3 februar, 2012
8.	Okanović D., van Hoorn A., Konjović Z., Vidaković M.: Towards Adaptive Monitoring of Java EE Applications, 5. International Conference on Information Technology - ICIT, Amman, 11-13 Maj, 2011, ISBN 9957-8583-0-0
9.	Okanović D., Konjović Z., Vidaković M.: Continuous Monitoring System for Software Quality Assurance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011
10.	Okanović D., Vidaković M.: One Implementation of The System for Application Version Tracking and Automatic Updating, Proceedings of the IASTED International Conference on Software Engineering - SE 2007, Innsbruck, 12-14 februar 2008.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:		Pantović B. Jovanka	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		13.06.1993	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2010		Mathematics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1996	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1991	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E145	Operations Research	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H203	Mathematics 3	(H00) Mechatronics, Undergraduate Academic Studies
6.	IAM002	Discrete and Combinatorial Methods for Computer Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	S053N	Operations research	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	0M512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M22	Multiple-Valued Logic	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
15.	D0M23	Clone Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
17.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies
18.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1. Gilezan S., Pantović J., Žunić J.: Partitioning Finite d-Dimensional Integer Grids with Applications, chapter in: Approximation Algorithms and Metaheuristics (editor: T. F. Gonzalez)., Chapman

2. Ghilezan S., Pantović J., Žunić J.,Separating points by parallel hyperplanes - characteization problem, IEEE Transactions on Neural Networks, 2007, Vol. 18, No. 5, 1356-1363.

3. Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantovic, Daniele Varacca: Security types for dynamic web data. Theor. Comput. Sci, 2008, 402(2-3): 156-171

4. Pantović J., Vojvodić D., On the cardinality of nonfinitely based functionally complete algebras, Algebra Universalis, Vol. 43, No. 4, 2000, 369-374.

5. Pantović J., Tošić R., Vojvodić G., The cardinality of functionally complete algebras on a three element set, Algebra Universalis, Vol. 38, No.2, 1997, 136-140.

6. Pantović J., Machida H., Rosenberg I.: Regular sets of operations, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 19, No 1-3, pp. 149-162, ISSN 1542-3980

7. Machida H., Pantović J.: Three classes of maximal hyperclones, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 18, No 2, pp. 201-210, ISSN 1542-3980

8. Pantović J., Machida H.: Maximal hyperclones on E2 as hypercores , Journal of Multiple Valued Logic and Soft Computing, 2009, pp. 1-13, ISSN 1542-3980

9. Pantović J., Tošić R., Vojvodić G., Relative completeness with respect to two unary functions, Discrete Applied Mathematics, Vol.113 (2-3), 2001, 337-342.

10. Marinagiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantović, Security types for dynamic web data, Proceedings of Trustworthy Global Computing, Lecture Notes in Computer Science, 2007, Vol. 4661, str. 263-280.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	30			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	2	International :	3

Science, arts and professional qualifications

Name and last name:	Pap I. Ištvan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2010		Computer Engineering and Computer Communication
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	2008		Computer Engineering
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Computer Science

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	RT43	Engineering of Computer Based Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	RT52A	Dedicated Computer Structure Design 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	RT52B	Dedicated Computer Structure Design for Signal Processing	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	SE1006	Object Oriented Programming 2	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	SERT03	Embedded system design 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
6.	RT59	Real-Time System Design	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
7.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DRT10	Selected chapters of embedded computer based systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pap I., Lukić N., Marčeta Z., Teslić N., Schu M.: Real-time video quality assessment platform, 27. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, , pp. 1-2, ISBN 978-1-4244-4701-5, UDK: 10.1109/ICCE.2009.5012206
2.	Mrazovac B., Bjelica M., Pap I., Teslić N.: Smart audio/video playback control based on presence detection and user localization in home environment
3.	Mrazovac B., Bjelica M., Teslić N., Pap I.: Towards Ubiquitous Smart Outlets for Safety and Energetic Efficiency of Home Electric Appliances, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronic Society, 6-8 Oktobar, 2011, pp. 324-328, UDK: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6031795
4.	Pap I., Šarić Z., Vukosavljev S., Teslić N., Temerinac M.: Hands-free Voice Communication Platform Integrated With TV, 27. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, , pp. 1-2, ISBN 978-1-4244-4701-5, UDK: 10.1109/ICCE.2009.5012265
5.	Pap I., Šarić Z., Teslić N.: Hands-free Voice Communication with TV, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 2, pp. 606-614, ISSN 0098-3063, UDK: doi: 10.1109/TCE.2011.5955198

	Representative refferences (minimum 5, not more than 10)
6.	Pap I., Šarić Z., Jovičić S., Teslić N.: Adaptive microphone array for unknown desired speaker's transfer function, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 2007, Vol. 122, No 2, pp. 44-49, ISSN 10.1121/1.2749077, UDK: http://dx.doi.org/10.1121/1.2749077
7.	Pap I., Šarić Z., Pal S., Velikić I.: Hands-free VoIP solution for embedded platforms in consumer electronics, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronics Society, 6-8 Oktobar, 2011, pp. 22-25, ISBN 978-1-4577-0233-4, UDK: 10.1109/ICCE-Berlin.2011.6031822
8.	Kaštelan I., Katona M., Pap I., Davidović M., Rešetar I.: A Full-Duplex Hands-Free Videophone Add-on Device for Digital Television Sets, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronics Society, 6-8 Oktobar, 2011, pp. 382-385, ISBN 978-1-4577-0232-7, UDK: http://dx.doi.org/10.1109/ICCE-Berlin.2011.6031817
9.	Kaštelan I., Katona M., Pap I., Davidović M., Rešetar I.: An Integrated Audio and Video Communication System for Digital Television Sets, 2. IEEE Eastern European Conference on the Engineering of Computer Based Systems, Bratislava: IEEE Computer Society, 5-6 Septembar, 2011, pp. 78-84, ISBN 978-0-7695-4418-2, UDK: http://dx.doi.org/10.1109/ECBS-EERC.2011.20
10.	Bjelica M., Pap I., Teslić N., Coulon J.: Set-top box-based home controller, 14. IEEE International Symposium on Consumer Electronics (ISCE2010), Braunschweig: IEEE Consumer Electronics Society, 7-10 Jun, 2010, pp. 1-6, ISBN 978-1-4244-6672-6/10, UDK: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5523704

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Perišić R. Branko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.1983
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Education Specialist Thesis	2007	Software Engineering Institute at Carnagie Mellon University - Pittsburgh	Computer Science
Education Specialist Thesis	2004	Software Engineering Institute at Carnagie Mellon University - Pittsburgh	Computer Science
PhD thesis	1994	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1977	Faculty of Electrical Engineering - Sarajevo	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E235	Fundamentals of Information Systems and Software Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E242	Software Specification and Modeling	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E2S40	Software Patterns and Components	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	RI45	Software Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	RI53	Business Information Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	ISIT2E	Osnove projektovanja softvera	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	ISIT33	Integracija i verifikacija softverskih aplikacija	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies

	ID	Course name	Study programme name, study type
11.	SE0011	Introduction to Software Engineering	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15.	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	E2509	Protection and Recovery of Software Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	GS014	The application of information technologies in energy efficiency	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
18.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
19.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
20.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
21.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. B. Perišić, G. Milosavljević "A Method and Tool for Rapid Prototyping of Large Scale Business Information Systems" COMSIS 2004

2. Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214

3. Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214

	Representative refferences (minimum 5, not more than 10)
4.	Branko Perišić "DMIS-Distributed Medical Information System Concept&Structure", SystemScienceJournal N0.1 Vol.13 1987
5.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration
6.	Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf
7.	Milosavljević G., Dejanović I., Perišić B., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 77-94
8.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24
9.	G.Milosavljević, B.Perišić "Really Rapid Prototyping of Large-Scale Business Information Systems", IEEE Workshop on Rapid Systems Prototyping San Diego 2003
10.	Perišić B., Zečević I.: Program package University organizational structure Korisnik: FTN Novi Sad, Univerzitet u Novom Sadu Rađeno za: TEMPUS , 2007

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	12			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	6

Science, arts and professional qualifications

Name and last name:	Petrovački P. Dušan
Academic title:	Emeritus Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1971
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2011		Automatic Control and System Engineering
PhD thesis	1979	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1973	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1968	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	AU509	Nonlinear Control Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
2.	E2515	Intelligent Control Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
3.	GIAU01	Geosensor networks	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
4.	GIAU04	Geospatial data visualization	(E20) Computing and Control Engineering, Master Academic Studies
5.	M3417	Applied industrial automatization	(M30) Energy and Process Engineering, Master Academic Studies
6.	SDGI04	Selected Chapters in Underground Infrastructure Detection	(GI0) Geodesy and Geomatics, Specialised Academic Studies
7.	SDGI08	Selected topics in laser scanning	(GI0) Geodesy and Geomatics, Specialised Academic Studies
8.	SDGI13	Selected topics in spatial data infrastructure	(GI0) Geodesy and Geomatics, Specialised Academic Studies
9.	SDGI3C	Selected topics in Geoportals	(GI0) Geodesy and Geomatics, Specialised Academic Studies
10.	SDGI5F	Basic topics in remote sensing and image processing	(GI0) Geodesy and Geomatics, Specialised Academic Studies
11.	DAU005	Selected Chapters in Optimization Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DAU011	Selected Chapters in Geographic Information Systems and Technologies	(E20) Computing and Control Engineering, Doctoral Academic Studies
13.	DGI004	Selected Chapters in Underground Infrastructure Utility Detection	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
14.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
15.	DGI016	Selected Chapters in Systems and Signals	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
16.	DGI018	Selected Chapters of Automatic Control Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
17.	DAU005	Selected Chapters in Optimization Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	D. Petrovački: "Optimal Control of a Heat Conduction Problem" Journal of Applied Mathematics and Physics, Vol. 26; 463-480, Basel, Switzerland, 1975.
2.	D. Petrovački: "The Minimum Time Problem for a Class of Nonlinear Distributed Parameter Systems", International Journal of Control, Vol. 32, No. 1, 51-62, London, United Kingdom., 1980

	Representative refferences (minimum 5, not more than 10)
3.	S. Odri, D. Petrovački, G. Krstonošić: "Evolutional Development of a Multi Level Neural Networks", INNS Neural Networks, Pergamon Press, Volume 6, Number 4, 1993.
4.	V.Pavlica, D.Petrovački: "About simple fuzzy control and fuzzy control based on fuzzy relational equations", International Journal FUZZY SETS AND SYSTEMS, Elsevier-Science, Amsterdam
5.	Ristić A., Petrovački D., Govedarica M.: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data (SCI 2010 IF=1.416), Computers & Geosciences, 2009. Vol.35, No 8, p 1620-1630, ISSN 0098-3004
6.	Govedarica M., Petrovački D., Sladić D., Ristić A., Jovanović D., Pajić V., Vrtunski M., Ristić A.: ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY (IF 2010 0.178) positively evaluated and accepted for publication in JEPE 2011, Journal of Environmental Protection and Ecology, 2012, ISSN 1311-5065
7.	Ristić A., Abolmasov B., Govedarica M., Petrovački D., Ristić A.: Shallow-landslide spatial structure interpretation using a multi-geophysical approach (IF2011 0.100), Acta Geotechnica Slovenica, 2012, Vol. 9, No 1/2012, pp. 47-59, ISSN 1854-0171
8.	Govedarica M., Sladić D., Petrovački D., Ninkov T., Ristić A.: Metadata Catalogues in Spatial Information Systems (2009 IF = 0.167), Geodetski list, 2010, Vol. 64, No 4, pp. 313-334, ISSN 0016-710X, UDK: 528
9.	Ristić A., Govedarica M., Petrovački D.: GNSS-Status and Perspective, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP), 2010, Vol. 14, No 1, pp. 6-10, ISSN 1821-4487, UDK: 63:004(497.11)
10.	Ristić A., Petrovački D., Govedarica M.: Radar Remote Sensing Technologies - the Usage in Agriculture, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP), 2010, Vol. 14, No 2, pp. 76-80, ISSN 1821-4487, UDK: 621.396.96(075.8)

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	45			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	9	International :	1

Science, arts and professional qualifications

Name and last name:	Pilipović R. Stevan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Sciences - Novi Sad
	01.01.1973
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1987	Faculty of Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Sciences - Novi Sad	Mathematics
Magister thesis	1977	Faculty of Mathematics - Beograd	Mathematics
Bachelor's thesis	1973	Faculty of Sciences - Novi Sad	Mathematics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
2.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Atanacković TM, Oparnica L, Pilipović S: On a model of viscoelastic rod in unilateral contact with a rigid wall, IMA JOURNAL OF APPLIED MATHEMATICS, (2006) vol.71 br.1 str. 1-13.

2. Atanackovic, TM Pilipovic, S Zorica, D: A diffusion wave equation with two fractional derivatives of different order, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, (2007) vol.40 br.20 str. 5319-5333

3. Pilipovic, S. Teofanov, N. : Multiresolution expansion, approximation order and quasiasymptotic behavior of tempered distributions, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.331 br.1 str. 455-471

4. Oberguggenberger, M. Pilipovic, S. Scarpalezos, D. : Positivity and positive definiteness in generalized function algebras, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.328 br.2 str. 1321-1335

5. Oberguggenberger, M. Pilipovic, S. Valmorin, V. : Global representatives of Colombeau holomorphic generalized functions, MONATSHEFTE FUR MATHEMATIK, (2007) vol.151 br.1 str. 67-74

6. Pilipovic, S Scarpalezos, D : Divergent type quasilinear Dirichlet problem with singularities, ACTA APPLICANDAE MATHEMATICAE, (2006) vol.94 br.1 str. 67-82

7. Pilipovic, Stevan Vuletic, Mirjana : Characterization of wave front sets by wavelet transforms, TOHOKU MATHEMATICAL JOURNAL, (2006) vol.58 br.3 str. 369-391

8. Hormann, G Oberguggenberger, M Pilipovic, S : Microlocal hypoellipticity of linear partial differential operators with generalized functions as coefficients, TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, (2006) vol.358 br.8 str. 3363-3383

9. Mitrovic, D Pilipovic, S : Approximations of linear Dirichlet problems with singularities, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2006) vol.313 br.1 str. 98-119

10. Pilipovic, Stevan Scarpalezos, Dimitris Valmorin, Vincent : Equalities in algebras of generalized functions, FORUM MATHEMATICUM, (2006) vol.18 br.5 str. 789-801

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	250			
Total of SCI(SSCI) list papers :	258			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Popov B. Srđan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.09.2001
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E111	Programming Languages and Data Structures	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E214	Programming Languages and Data Structures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	URZP11	Fundamentals of Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP23	Applied Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	IMDS45	Application of information and satellite technology in risk management	(I22) Engineering Management, Specialised Academic Studies
7.	E2534	Data Compression	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DRNI01	Selected Topics in Computer Programming	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
9.	IMDR45	Application of Information and Satellite Technologies in Risk Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, ISSN 0367-598X
2.	Ćosić Đ., Popov S., Sakulski D., Pavlović A.: Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
3.	Malbaški D., Kupusinac A., Popov S.: The Impact of Coding Style on the Readability of C Programs, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1073-1082, ISSN 1840-1503
4.	Sakulski D., Ćosić Đ., Popov S.: Implementation of Innovative Technologies for Disaster Risk Reduction, 1. International Conference Natural Hazards, Novi Sad: University of Novi Sad, Faculty of Science, 5 Maj, 2012, pp. 15-16, ISBN 978-86-7031-276-0
5.	Sakulski D., Ćosić Đ., Popov S., Pavlović A., Laban M.: Disaster risk management and fire safety, 1. International conference Protection, Ecology, Security, Bar: Fakultet za pomorstvo Kotor, 24-26 Maj, 2012, pp. 75-81
6.	Simić J., Popov S., Ćosić Đ., Sakulski D., Novaković T., Popović Lj., Pavlović A., Luhović A.: The aspect of bringing data in spatial relationship during the process of teaching at the subject "Disaster risk management" , UDK: 37.01:004 (082)
7.	Pavlović A., Ćosić Đ., Popov S., Kolaković S.: Indikatori praćenja hazardnih pojava poplave i suše u cilju poboljšanja planiranja melioracija, Tematski zbornik radova "Melioracije 07 - stanje i perspektive-", 2012, No 12, pp. 136-146, ISSN 978-86-7520-107-6, UDK: 626.8(082)

Representative refferences (minimum 5, not more than 10)	
8.	Popović Lj., Popov S., Ćosić Đ., Sakulski D.: Impact of Visualization on Data Availability, UDK: CIP je dostupan u Univerzitetskoj biblioteci Rijeke pod brojem 121219001
9.	Alargić I., Badnjarević I., Vrtunski M., Popov S.: Setting the platform for testing the quality of DTM in the format of DTM-ASCII , 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, , pp. 253-256, ISBN 978-1-4244-7395-3
10.	Popov S., Pavlović A., Ćosić Đ., Hlebjan M.: Interfacing Data Structures of Legacy Systems, 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: 2010 IEEE , , pp. 409-411, ISBN 978-1-4244-7395-3

Summary data for teacher's scientific or art and professional activity:					
Quotation total :	0				
Total of SCI(SSCI) list papers :	3				
Current projects :	Domestic :	2	International :	0	

Science, arts and professional qualifications

Name and last name:	Popović V. Miroslav
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	21.03.1985
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	1990	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1988	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1984	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E23A2	Real Time System Programming 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E23M	Real Time System Programming 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	SE0032	Parallel Programming	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	SE1006	Object Oriented Programming 2	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	SERT01	System Programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
6.	RT57	Inter Computer Communications and Computer Networks 2	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
7.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DAU002	Selected Chapters in Computing	(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
9.	DRT01	Selected Chapters in Real Time Systems Software	(E20) Computing and Control Engineering, Doctoral Academic Studies
10.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Miroslav Popović, Communication Protocol Engineering, CRC Press, Boca Raton, Florida, 2006, ISBN 0849398142.
2.	Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.

	Representative refferences (minimum 5, not more than 10)
3.	Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 2: Operativni sistemi za rad u realnom vremenu, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.
4.	Čapko D., Erdeljan A., Popović M., Švenda G.: An Optimal Relationship-Based Partitioning of Large Datasets, LNCS, Springer Verlag, 2010, str. 555-558, ISBN 978-3-642-15575-8
5.	Popović M., Bašičević I.: Test case generation for the task tree type of architecture, Information and Software Technology, Elsevier, 2010, Vol. 52, No 6, pp. 697-706, ISSN 0950-5849
6.	Popović M., Kuprešanin I., Bašičević I.: Generic method for statistical testing of parallel programs based on task trees, Scientific Research and Essays, 2012, Vol. 7, No 11, pp. 1992-2248, ISSN 1992-2248
7.	Čapko D., Erdeljan A., Švenda G., Popović M.: A Dynamic Repartitioning of Large Data Model in Distribution Management Systems, Electronics and electrical engineering, 2012, Vol. 5, No 121, pp. 1392-1215, ISSN 1392-1215
8.	Čapko D., Erdeljan A., Popović M., Švenda G.: An Optimal Initial Partitioning of Large Datasets in Utility Management Systems, Journal of Advances in Electrical and Computer Engineering, 2011, Vol. 11, No 4, pp. 41-46, ISSN 1582-7445
9.	Bašičević I., Kukolj D., Popović M.: On the application of fuzzy-based flow control approach to High Altitude Platform communications, Applied Intelligence, 2010, Vol. 2093, pp. 75-84, ISSN 1573-7497
10.	Bašičević I., Popović M.: Use of SIP Protocol in Development of Telecom Services , Journal of The Communications Network, 2008, Vol. 3, No October, ISSN 1477-4739

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	216			
Total of SCI(SSCI) list papers :	11			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Rajković R. Milan
Academic title:	Senior Science Associate
Name of the institution where the teacher works full time and starting date:	Vinča Institute of Nuclear Sciences - Vinča
	01.01.2000
Scientific or art field:	Physical Science

Academic carieer	Year	Institution	Field
Academic title election:	2005	Vinča Institute of Nuclear Sciences - Vinča	Physical Science
PhD thesis	1997	University of Belgrade - Beograd	Physics
Magister thesis	1983	University of Pennsylvania - Tennessee	Physics
Bachelor's thesis	1982	University of Pennsylvania - Tennessee	Physics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	D. Horak, S. Maletić, M. Rajković, Persistent Homology of Complex Networks, Journal of Statistical Mechanics and Applications (2009) P03034.
2.	Milan Rajković, M.M. Škorić, K. Sølna and G. Antar, Characetrization of Local Turbulence in Magnetic Confinement Devices, Nuclear Fusion 48 (2008) 1-13.
3.	Mladen Nikolić and Milan Rajković, A group theoretic approach to a class of third-order differential equations with two parameter symmetry group solvable by quadratures, Nonlinear Dynamics 48 (2007) 17-27.
4.	Mladen Nikolić and Milan Rajković, Bifurcations in Nonlinear Models of Fluid Conveying Pipes, Journal of Fluids and Structures, 22 (2006),
5.	Z. Mihailović and M. Rajković, Cooperative Parrondo's games on a two-dimensional lattice, Physica A 365 (2006) 244-251
6.	Milan Rajković, Tomo-hiko Watanabe and M.M. Škorić, Level crossing function in the Analysis of Confined Plasma Turbulence, Nuclear Fusion 49 (2009) 095016i
7.	Milan Rajković and M.M. Škorić, Characterization of Intermittency in Plasma Edge Turbulence; Contributions to Plasma Physics 48 (2008) L31-L35.
8.	M. Rajković, Nonextensive entropy as a measure of time series complexity, Physica A 340 (2004) 327-333
9.	M. Rajković and Z. Mihailović, Quantifying Complexity in the Minority Game, Physica A 325 (2003) 40 - 47
10.	Z. Mihailović and M. Rajković, One-dimensional Asynchronous Cooperative Parrondo's Games, Fluctuation and Noise Letters 3 (2003) L389 - 398

Summary data for teacher's scientific or art and professional activity:

Quotation total :	100			
Total of SCI(SSCI) list papers :	22			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Ralević M. Nebojša		
Academic title:	Full Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad		
	01.10.1990		
Scientific or art field:	Mathematics		

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1997	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H103	Mathematics 1	(H00) Mechatronics, Undergraduate Academic Studies
2.	H107	Mathematics 2	(H00) Mechatronics, Undergraduate Academic Studies
3.	M4201	Mathematics 3	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
6.	0M502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M02	Partial Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M38	Non-linear Equations and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M39	Optimization Methods and Mathematical Modelling	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
20.	DOM54	Computational geometry	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DOM55	Pattern Recognition	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	E. Pap, N. Ralević, Pseudo-Laplace transform, Nonlinear Analysis: Theory Methods and Applications, 33 (1998), 533-550.
2.	N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101.
3.	Lj. M. Nedović, N. M. Ralević, T. Grbić,Large deviation principle with generated pseudo measures,Fuzzy Sets and Systems 155 (2005) 65-76.
4.	T. Lukić, N. M. Ralević, Geometric Mean Newton"s Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted).
5.	N. M. Ralević,One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102.
6.	N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24, 1 (1994), 139-157.
7.	E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6
8.	N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted).
9.	I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str.
10.	I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	28			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Rapaić R. Milan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.2006
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Master's thesis	2006	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	AU41	Digital Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E237	Optimization Methods	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E237A	Optimization Methods	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	GI005	Intelligent Control Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
6.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
7.	BM118A	Nonlinear programming and optimal control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BM130A	Digital control systems in bioengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E2316	Real-time control systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
10.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
11.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	AU511	Adaptive and Advanced Control	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
13.	A118S	Contemporrary technologies applied to architecture and urbanism	(A00) Architecture, Specialised Academic Studies
14.	AT03	Optimization and control techniques in architectural design	(AH0) Architecture, Master Academic Studies
15.	AT04	Contemporary theories and technologies applied to architecture, urbanism and design 1	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
			(AH0) Architecture, Master Academic Studies
16.	AT05	Contemporary theories and technologies applied to architecture, urbanism and design 2	(AH0) Architecture, Master Academic Studies
17.	DAU010	Selected Chapters in Nonlinear Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	A118	Contemporary technologies applied to architecture and urbanism	(A00) Architecture, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
19.	DAU005	Selected Chapters in Optimization Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Milan R. Rapaić, "Optimalno i suboptimalno upravljanje klasom sistema sa raspodeljenim parametrima", doktorska disertacija, FTN Novi Sad, 2011
2. Milena Petković, Milan R. Rapaić, Zoran D. Jeličić, Alessandro Pisano (2012) On-line adaptive clustering for process monitoring and fault detection, Expert Systems with Applications, Volume 39 Issue 11, September, 2012 Pages 10226-10235
3. Milan R. Rapaić, Zoran D. Jeličić, Optimal control of heat diffusion systems, Nonlinear Dynamics, Vol 62, Number 1-2, 39-51, 2010
4. Alessandro Pisano, Milan R. Rapaić, Zoran D. Jeličić, Elio Usai, Sliding mode control approaches to robust regulation of linear multivariable fractional-order dynamics, International Journal of Robust and Nonlinear Control, Volume 20, Issue 18, pages 2045–2056
5. Željko Kanović, Milan Rapaić, Zoran Jeličić, Generalized Particle Swarm Optimization Algorithm - Theoretical and Empirical Analysis with Application in Fault Detection, Applied Mathematics and Computation (in press, doi:10.1016/j.amc.2011.05.013)
6. Milan R. Rapaic, Zeljko Kanovic, Time-Varying PSO - Convergence Analysis, Convergence Related Parameterization and New Parameter Adjustment Schemes, Information Processing Letters , 109 (2009) 548–552
7. Milan R. Rapaić, Tomislav B. Šekara, Novel direct optimal and indirect method for discretization of linear fractional systems, Electrical Engineering, DOI: 10.1007/s00202-011-0195-5
8. Jovan K. Popović, Milica T. Atanacković, Ana S. Pilipović, Milan R. Rapaić, Teodor M. Atanacković, Stevan Pilipović, A new approach to the compartmental analysis in pharmacokinetics: fractional time evolution of diclofenac, Journal of Pharmacokinetics and Pharmacodynamics, Vol. 37, No. 2, (2010) 119-134
9. Jovan K. Popović, Milica T. Atanacković, Ana S. Pilipović, Milan R. Rapaić, Teodor M. Atanacković, Stevan Pilipović, Remarks on the mass balance for multi-compartmental models; a nonlinear compartmental model, Journal of Pharmacokinetics and Pharmacodynamics, Vol. 37, No. 2 (2010) 217-220
10. Jovan K. Popović, Diana Dolićanin, Milan R. Rapaić, Stevan L. Popović, Stevan Pilipović, Teodor Atanacković, A nonlinear two compartmental fractional derivative model, European Journal of Drug Metabolism and Pharmacokinetics, (in press: DOI 10.1007/s13318-011-0057-6)

Summary data for teacher's scientific or art and professional activity:			
Quotation total :	85		
Total of SCI(SSCI) list papers :	11		
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Samardžija M. Dragan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.2008
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	2004	Rutgers University - Newark, New Jersey	Electrical and Computer Engineering
Magister thesis	2000	Rutgers University - Newark, New Jersey	Electrical and Computer Engineering
Bachelor's thesis	1996	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E23B	Fundamentals of Computer Networks 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E23B1	Computer Network Fundamentals 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	SE0015	Prenos podataka i računarske komunikacije	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
5.	DRT08	Selected Topics in Wireless Computer Communications	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Unquantized and Uncoded Channel State Information Feedback in Multiple Antenna Multiuser Systems, IEEE Transactions on Communication, 2006, Vol. 54, str. 1335- 1345
2.	Blind Successive Interference Cancellation for DS-CDMA Systems, IEEE Transactions on Communications, 2002, Vol. 50, str. 276- 290
3.	Pilot Assisted Estimation of MIMO Fading Channel Response and Achievable Data Rates, IEEE Transactions on Signal Processing, 2003, Vol. 51, str. 2882- 2890
4.	Compressed Transport of Baseband Signals in Radio Access Networks, IEEE Transactions on Wireless Communications, Volume 11, Issue 9, pp. 3216 - 3225, 2012
5.	Peer-to-Peer MIMO Radio Channel Measurements in a Rural Area, IEEE Transactions on Wireless Communications, 2007, Vol. 6, str. 3229- 3237
6.	Impact of Pilot Design on Achievable Data Rates in Multiple Antenna Multiuser TDD Systems, IEEE JSAC, Special Issue on Optimization of MIMO Transceivers, 2007, Vol. 25, str. 1370- 1379
7.	Prototype Experience for MIMO BLAST over Third Generation Wireless System, IEEE JSAC on MIMO Systems and Applications: Part I, 2003, Vol. 21, str. 440- 451
8.	Joint Coding Rate Control for Audio Streaming in Short Range Wireless Networks, IEEE Transactions on Consumer Electronics, 2009, Vol. 55, No. 2, str. 486- 491, ISSN ISSN: 0098-3063.
9.	A Human Detection Method for Residential Smart Energy Systems Based on Zigbee RSSI Changes, IEEE Transactions on Consumer Electronics, vol.58, no.3, pp.819-824, August 2012
10.	Experimental Evaluation of Unsupervised Channel Deconvolution for Wireless Multiple-Transmitter/Multiple-Receiver Systems, Electronics Letters IEE, 2002, Vol. 38, No. 20, str. 1214- 1216

Summary data for teacher's scientific or art and professional activity:

Quotation total :	311
Total of SCI(SSCI) list papers :	11

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	
	Study Programme Accreditation - PhD Studies	
	DOCTORAL ACADEMIC STUDIES	Computing and Control Engineering

Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:		Satarić V. Miljko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		03.01.1973	
Scientific or art field:		Physics	
Academic carieer	Year	Institution	Field
Academic title election:	1995	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	School of Electrical Engineering - Beograd	Physics
Magister thesis	1979	School of Electrical Engineering - Beograd	Physics
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	Z103	Selected Chapters in Physics 1	(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z110	Selected Chapters in Physics 2	(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	EI410	Biophysics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	DE203S	Odabrana poglavlja iz kvantne elektronike	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
7.	DE301S	Molekularna elektronika(uneti naziv na engleskom)	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
8.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
9.	EM511	Quantum and Organic Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	SI028	Biophysics	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
11.	DE203	Selected Chapters in Quantum Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
12.	DE301	Molecular Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
13.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

Representative refferences (minimum 5, not more than 10)

1. S. Zdravković, M.V. Satarić, "Single-Molecule Unzipping Experiments on DNA Peyrard-Bishop-Dauxois Model",Phys.Rev.E73,021905-11,2006.

2. J. A. Tuszynski, J. A. Brown, E. Crawford, E. J. Carpenter, M. L. A. Nip, J. M. Dixon, M. Satarić, "Molecular dynamics simulations of tubulin structure and calculations of electrostatic properties of microtubules", Mathematical and Computer Modelling, vol. 41, no.10, pp. 1055-1070, 2005.

3. M. Satarić, B. Satarić, J. A. Tuszynski, "Nonlinear model of microtubule dynamics", Electromagnetic Biology and Medicine, vol.24, no. 3, pp. 255-264, 2005.

4. S. Zdravković J. A. Tuszynski, M. Satarić "Peyrard-Bishop-Dauxois model of DNA dynamics and impact of viscosity", Journal of Computational and Theoretical Nanoscience, vol. 2, no. 2, pp. 263-271, 2005.

5. S. Zdravković, M. Satarić, "Optical and Acoustical Frequencies in a Nonlinear Helicoidal Model of DNA Molecule", Chinese Physics Letters 22, pp. 850-853, 2005.

6. S. Portet, J. A. Tuszynski, J. M. Dixon, M. Satarić, "Models of spatial and orientational self-organization of microtubules under the influence of gravitational fields", Physical Review E, vol. 68, no. 2, 2003.

7. M. Satarić, J. A. Tuszynski, "Relationship between the nonlinear ferroelectric and liquid crystal models for microtubules", Physical Review E, vol. 67, no. 1, 2003.

8. S. Zdravković, M. Satarić, "DNA dynamics and big viscosity", International Journal of Modern Physics B, vol.17, no. 31-32, pp. 5911-5923, 2003.

9. M. Satarić, J. A. Tuszynski, "Impact of regulatory proteins on the nonlinear dynamics of DNA", Physical Review E, vol. 65, no. 5, 2002.

10. G. Keković, D. Raković, M. Satarić, D. Koruga, "A kink-soliton model of charge transport through microtabular cytoskeleton", Current Research in Advanced Materials and Processes, vol. 494, pp. 507-512, 2005.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	295			
Total of SCI(SSCI) list papers :	67			
Current projects :	Domestic :	1	International :	2

Science, arts and professional qualifications

Name and last name:	Sladić S. Goran
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.2004
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Science

	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2E41	E-Business Systems Security	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS36	Elektronsko poslovanje i ugovaranje	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
6.	ISIT10	Introduction to Software Development	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
8.	ISIT2A	Software Development Techniques	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
9.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	SE0014	Computer organisation	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies

List of courses being held by the teacher in the accredited study programmes

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
11.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
16.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
19.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, Master Academic Studies
20.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
21.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Sladić G., Milosavljević B., Surla D., Konjović Z.: Flexible Access Control Framework for MARC Records, The Electronic Library, 2012, Vol. 30, No 5, pp. 623-652, ISSN 0264-0473, DOI:10.1108/02640471211275684

2. Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitive Access Control Model for Government Services, Journal of Organizational Computing and Electronic Commerce, 2012, Vol. 22, No 2, pp. 184-213, ISSN 1091-9392, DOI:10.1080/10919392.2012.667717

3. Sladić G., Milosavljević B., Konjović Z., Vidaković M.: Access Control Framework for XML Document Collections, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 3, pp. 591-609, ISSN 1820-0214, DOI: 10.2298/CSIS100827002S

4. Vidaković M., Milosavljević B., Konjović Z., Sladić G.: Extensible Java EE-Based Agent Framework and Its Application on Distributed Library Catalogues, Computer Science and Information Systems (ComSIS), 2009, Vol. 6, No 2, pp. 1-28, ISSN 1820-0214, DOI: 10.2298/csis0902001V

5. Sladić G., Milosavljević B., Konjović Z.: Extensible Access Control Model for XML Document Collections, 1. International Conference on Security and Cryptology - SECRYPT, Barcelona: INSTICC, 28-31 Jul, 2007, pp. 373-380, ISBN 9789898111128

6. Sladić G.: Kontrola pristupa u poslovnim sistemima, Beograd, Zadužbina Andrejević, 2011, ISBN 978-86-525-0000-0

7. Sladić G.: Kontrola pristupa XML dokumentima, Zadužbina Andrejević, 2008, ISBN 978-86-7244-683-8

Datum: 18.12.2012

UNIVERSITY OF NOVI SAD	
FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6	

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Computing and Control Engineering

Representative refferences (minimum 5, not more than 10)	
8.	Vidaković M., Sladić G., Komazec S.: Sistemi za upravljanje elektronskim sadržajima i njihova primena u e-upravi, InfoM, Časopis za informacionu tehnologiju i multimedijalne sisteme, 2006, No 20, pp. 36-41, ISSN 1451-4397
9.	Sladić G., Milosavljević B., Konjović Z.: Kontrola pristupa XML dokumentima, Info-M, 2005, Vol. 4, No 15-16, pp. 53-59
10.	Milosavljević B., Komazec S., Sladić G.: Open source sistemi za upravljanje dokumentima u e-upravi, Info-M, 2006, Vol. 5, No 20, pp. 25-35

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	54			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:		Sladoje Matić I. Nataša	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		14.03.1994	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2011		Mathematics
PhD thesis	2005	University of Novi Sad - Novi Sad	Mathematical Sciences
Magister thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1992	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
5.	IAM004	Geometry of Discrete Space	(F10) Engineering Animation, Undergraduate Academic Studies
6.	IGA008	Mathematics for Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
			(Z20) Environmental Engineering, Master Academic Studies
12.	IA018	Computer Geometry	(F20) Engineering Animation, Master Academic Studies
13.	D0M28	Digital Geometry	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M29	Image Processing 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M30	Image Processing 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M31	Applied Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M32	Combinatorial and Geometric Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M33	Positional Games	(OM1) Mathematics in Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
19.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
20.	AID07	Digital geometry	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Sladoje N., Lindblad J., Nystrom I.: Defuzzification of spatial fuzzy sets by feature distance minimization. , Image and Vision Computing, 2011, Vol. 29, No 2-3, pp. 127-141, ISSN 0262-8856
2.	Lukić T., Lindblad J., Sladoje N.: Regularized Image Denoising Based on Spectral Gradient Optimization, Inverse Problems, 2011, Vol. 27, No 8, pp. 8501-1, ISSN 0266-5611
3.	Sladoje N., Lindblad J.: High precision boundary length estimation by utilizing grey-level information , IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, Vol. 31, No 2, pp. 357-363, ISSN 0162-8828
4.	N. Sladoje and J. Lindblad, "Representation and Reconstruction of Fuzzy Disks by Moments", Fuzzy Sets and Systems, Vol. 158, No. 5, pp. 517-534, 2007.<\eng>
5.	N. Sladoje, I. Nyström, and P.K. Saha, "Measurements of digitized objects with fuzzy borders in 2D and 3D", Image and Vision Computing, vol. 23, pp 123-132, 2005.<\eng>
6.	J. Zunic and N. Sladoje, "Efficiency of Characterizing Ellipses and Ellipsoids by Discrete Moments", IEEE Trans. Pattern Analysis and Machine Intelligence, vol.22, No.4, pp 407-414, 2000.<\eng>
7.	J. Chanussot, I. Nyström and N. Sladoje, "Shape signatures of fuzzy star-shaped sets based on distance from the centroid", Pattern Recognition Letters, vol. 26(6), pp. 735-746, 2005.<\eng>
8.	Ćurić,V., Lindblad, J., Sladoje, N., Sarve, H., Borgefors, B. A new set distance and its application to shape registration. Accepted for Pattern Analysis and Applications, 2012.
9.	Lindblad L., Sladoje N. Coverage Segmentation based on Linear Unmixing and Minimization of Perimeter and Boundary Thickness. Pattern Recognition Letters, Vol. 33, No.6, pp. 728-738, 2012.
10.	Malmberg F., Lindblad J., Sladoje N., Nystrom I.: A graph-based framework for sub-pixel image segmentation, Theoretical Computer Science, 2011, Vol. 412, No 15, pp. 1338-1349

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	71			
Total of SCI(SSCI) list papers :	21			
Current projects :	Domestic :	2	International :	3

Science, arts and professional qualifications

Name and last name:	Stojaković M. Mila
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1975
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1980	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1978	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1975	Faculty of Sciences - Novi Sad	Mathematical Sciences

	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	ZC006	Probability, Statistics and Random Processes	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	0M504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
11.	IAM005	Mathematical Game Theory	(F20) Engineering Animation, Master Academic Studies
			(OM1) Mathematics in Engineering, Master Academic Studies
12.	SD0M03	Operational Research	(GI0) Geodesy and Geomatics, Specialised Academic Studies
13.	SD0M15	Statistics	(GI0) Geodesy and Geomatics, Specialised Academic Studies
14.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
15.	D0M03	Operational Research	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
16.	D0M04	Random Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M15	Statistics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M27	StatisticsApplied in Engineering	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
20.	DOM59	Fixed point theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Mila Stojaković, Decomposition and representation of fuzzy valued measure, Fuzzy Sets and Systems, 112(2000) 251-256
2.	Mila Stojaković, Fuzzy conditional expectation, Fuzzy Sets and Systems, 52(1992) 49-54
3.	Mila Stojaković, Fuzzy random variable, expectation, martingales, J.Math.Anal.Appl., 184(1994) 594-606.
4.	Mila Stojaković, Fuzzy martingales, Stochastic Analysis and Applications, 14(1996), 355-368.
5.	Mila Stojaković, Zoran Stojaković, Support function for fuzzy set, Proceedings of Royal Society, London A, 452(1996), 421-438.
6.	Mila Stojaković, Zoran Stojaković, Addition and series of fuzzy sets, Fuzzy Sets and Systems, 83(1996) 341-346.
7.	Mila Stojaković, Representation of fuzzy valued mappings, Fuzzy Sets and Systems, 98(1998) 375-381.
8.	Mila Stojaković, Fuzzy valued measure, Fuzzy Sets and Systems,65(1994) 95-104 .
9.	Mila Stojaković, Common fixed point theorems in complete metric and probabilistic spaces,Bull. Australian Math. Soc.,36(1987)73-88.
10.	Mila Stojaković, Zoran Ovcin,Fixed point theorems and variational principle..., Fuzzy Sets and Systems, 66(1994)353-356.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	71			
Total of SCI(SSCI) list papers :	16			
Current projects :		Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Surla I. Dušan
Academic title:	Emeritus Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Informatics
PhD thesis	1980	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Magister thesis	1976	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Bachelor's thesis	1969	Faculty of Mathematics - Beograd	Mathematics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E2507	Digital Archives	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
2.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
3.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
4.	DRNI10	Selected Topics in E-Government	(E20) Computing and Control Engineering, Doctoral Academic Studies
5.	DRNI13	Selected Topics in Scientific-research Activity managment	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Vukobratović, M., Borovac, B., Surla, D., Stokić, D., Biped Locomotion, Monograph, Springer-Verlag, 1990.
2.	P?p, E., Surla, D., Lebesgue Measure of ALFA-Cuts Approach for Finding the Height of the Membership Function, Fuzzy Sets and Systems 111 (2000) 341-350.
3.	Racković, M., Vukobratović, M., Surla, D., On Reducing Numerical Complexity of Complex Robots Dynamics, Journal of Intelligent and Robotic Systems, 24. 269-293, 1999.
4.	Racković, M., Vukobratović, M., Surla, D., Generation of Dynamic Models of Complex Robotic Mechanisms in Symbolic Form, Robotica (1998) volume 16, pp. 23-36.
5.	Surla, D., Racković, M., The Application of PSI-transform for Determining a Near - Optimal Path in the Presence of Polyhedral Obstacles, Computing 48, 203-212 (1992).
6.	Tošić, R., Surla, D., The Set of Admissible Positions for a two-DOF Linkage in the Presence of Obstacles , Z. Angew. Math. Mech. 71(1991)2, 129-132. (1991).
7.	Surla, D., Obradović, D., Konjović, Z., Planning of Trajectories for the Motion of Planar Mechanisms in the Presence of Obstacles, Automatika 31, 1990, Vol. 1-2, pp. A.287-A.295.
8.	Borovac, B., Vukobratović, M., Surla, D., An Approach to Biped Control Synthesis, Robotica (1989) Vol. 7. 231-241.
9.	Vukobratović, M., Surla, D., Konjović, Z., Borovac, B., Dynamic Nominals and Control Synthesis for Artificial Anthropomorphic Walk Producing Mechanisms, System Science 15 (1989)3, 21-30. (1989).
10.	Surla, D., Konjović, Z., Determination of the Collision-Free Region for a Two-Link Mechanism in the Presence of Obstacles, Automatika 29(1988)1-2, A.363-A.369. (1988).

Summary data for teacher's scientific or art and professional activity:

Quotation total :	52			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Suvajdžin Rakić B. Zorica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2000	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E225	Operating Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
2.	E234	Compilers	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	EE301	Operating Systems and Competitive Programming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	H207	Programming and Programming Languages	(F10) Engineering Animation, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
7.	SE0034	Compilers	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
8.	E2505	Multimedia Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(ES0) Power Software Engineering, Master Academic Studies
			(F20) Engineering Animation, Master Academic Studies
			(SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Rakić P., Milašinović D., Živanov Ž., Suvajdžin Rakić Z., Nikolić M., Hajduković M.: MPI–CUDA parallelization of a finite-strip program for geometric nonlinear analysis: A hybrid approach, Advances in Engineering Software, 2011, Vol. 42, No 5, pp. 273-285, ISSN 0965-9978
2.	Zorica Suvajdžin, Miroslav Hajduković, A Structure Editor for the Program Composing Assistant, Computer Science and Information Systems, Volume 3, Number 1, Beograd, jun 2006., pp 65-76
3.	Miroslav Hajduković, Zorica Suvajdžin, Žarko Živanov, Character oriented program editing - habit or necessity, Novi Sad Journal of mathematics, vol. 33, no. 1, Novi Sad, 2003., pp 53-65

	Representative refferences (minimum 5, not more than 10)
4.	Hajduković M., Suvajdžin Z., Živanov Ž. Naziv: A problem of program execution time measurement Naziv časopisa: Novi Sad Journal of mathematics , Novi Sad Journal of Mathematics, 2003, Vol. 33, No 1, pp. 67-73, ISSN 1450-5444, UDK: 51
5.	Rakić P., Stričević L., Suvajdžin Rakić Z.: Statically Typed Matrix: in C library, 5. Balkan Conference in Informatics, Novi Sad: ACM, 16-20 Septembar, 2012, pp. 217-222
6.	Milašinović D., Živanov Ž., Rakić P., Suvajdžin Rakić Z., Nikolić M., Hajduković M., Borković A., Milaković I.: A Finite-Strip Analysis of Nonlinear Shear-Lag Effect Supported by Automatic Visualization
7.	Suvajdžin Rakić Z., Rakić P.: Computers and Education, 1. VIPSI, Nepoznato, 3-4 April, 2009, ISBN 86-7466-117-3
8.	Zorica Suvajdžin, Miroslav Hajduković, Program Composing Assistant For Novice Programmers, The ASEE Mid-Atlantic Spring Conference 2006, Brooklyn NY, April 2006, abstract+5 pages (CD-ROM)
9.	Zorica Suvajdžin, Miroslav Hajduković, Towards Program Composing Assistants, Proceedings of the 2005 International Conference on Programming Languages and Compilers, PLC"05, Las Vegas, Nevada, USA, jun 2005, pp 142-147
10.	Rakić P., Živanov Ž., Suvajdžin Rakić Z., Stričević L., Hajduković M.: Characteristics of Operating System for Wireless Sensor Network Applications, 9. International Symposium Interdisciplinary Regional Research - ISIRR, Novi Sad, , pp. 50-50

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Šenk I. Vojin
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1987
Scientific or art field:	Telecommunications and Signal Processing

Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
PhD thesis	1992	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Magister thesis	1989	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Bachelor's thesis	1981	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EK310	Introduction to Information Theory	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EK462	Entrepreneurship in ICT	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	EK464	Communication Systems Design	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	DE310S	Encoding and Signal Transmission Techniques	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
5.	DE510S	Algorithms of Signal Detection and Estimation	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
6.	EK521	Information and Communication Theory	(S01) Postal Traffic and Telecommunications, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
7.	EK533	Detection and Estimation	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
8.	EK534	Cryptography System for Data Protection	(OM1) Mathematics in Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
9.	EK536	Coding Techniques	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	RPR004	Entrepreneurship, Innovation, Knowledge Regions - Role of Universities	(RPR) Regional Development Planning and Management, Master Academic Studies
11.	DAU001	Selected Chapters in Telecommunications and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	DE310	Encoding and Signal Transmission Techniques	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DE510	Algorithms of Signal Detection and Estimation	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Vukobratović D., Šenk V.: Design and Evaluation of Irregular LDPC Codes Using ACE Spectrum, IEEE Transactions on Communications, 2009, Vol. 57, No 8,, pp. 2272-2279, ISSN 0090-6778, UDK: 10.1109/TCOMM.2009.08.070548
2.	Sejdinović D., Vukobratović D., Doufexi A., Šenk V., Piechocki R.: Expanding Window Fountain Codes for Unequal Error Protection, IEEE Transactions on Communications, 2009, Vol. 57, No 9, pp. 2510-2516, UDK: 10.1109/TCOMM.2009.09.070616
3.	Vukobratović D., Šenk V.: Generalized ACE Constrained Progressive Edge-Growth LDPC Code Design , IEEE Communications Letters, 2008, Vol. 12, No 1, pp. 32-34, ISSN 1089-7798, UDK: 10.1109/LCOMM.2008.071457

	Representative refferences (minimum 5, not more than 10)
4.	V. Crnojević, V. Šenk, Ž. Trpovski, "Advanced Impulse Detection Based on Pixel-Wise MAD", IEEE Signal Processing Letters, vol.11, no. 7, 2004, pp. 589-593.
5.	D. Bajić, V. Šenk, M. Despotović, "Subsets of the STM-1 frame-alignment signal: a monitoring analysis", IEE Proc. Commun., vol. 149, no. 5, Oct. 2002. pp. 242-248.
6.	Miroslav Despotović, Vojin Šenk, Bartolomeu F. Uchôa Filho,"DISTANCE SPECTRA OF CONVOLUTIONAL CODES OVER PARTIAL-RESPONSE CHANNELS", IEEE Transactions on Communications, vol. 49, no.7, pp. 1121-1124, July 2001.
7.	Kovačević M., Šenk V.: On Possible Dependence Structures of a Set of Random Variables, Acta Mathematica Hungarica, 2012, Vol. 135, No 3, pp. 286-296
8.	Bojović Ž., Perić Z., Delić V., Šećerov E., Sečujski M., Šenk V.: "Comparative Analysis of the Performance of Different Codecs in a live VoIP network using SIP protocol", Electronics and electrical engineering, 2012, Vol. 117, No 1, pp. 37-42, ISSN 1392-1215
9.	Bojović Ž., Šećerov E., Dobromirov D., Šenk V.: Maximizing the Profit of Telecom Telcos by a Novel Traffic Scheduling Policy , Electronics and electrical engineering, 2011, Vol. 7, No 113, pp. 67-73, ISSN 1392-1215
10.	Bojović ž., Šenk V., Dobromirov D., Bojović P.: Intervendor working of VOIP networks , Journal of the Institute of Telecommunications Professionals, 2011, Vol. 5, No 3, pp. 26-32, ISSN 1755-9278

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	141			
Total of SCI(SSCI) list papers :	18			
Current projects :	Domestic :	3	International :	3

Science, arts and professional qualifications

Name and last name:	Temerinac R. Miodrag
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Computer Engineering and Computer Communication

Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Computer Engineering and Computer Communication
PhD thesis	2003	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1976	School of Electrical Engineering - Beograd	Electrical and Computer Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E240	Fundamentals of DSP Architecture and Algorithms 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E2401	Fundamentals of DSP Architecture and Algorithms 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	RT510	Algorithms and DSP platforms in computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
4.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
5.	DAU001	Selected Chapters in Telecommunications and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
6.	DRT04	Selected Chapters in Computer Communications	(Z01) Safety at Work, Doctoral Academic Studies
7.	DRT07	Development and implementation of multimedia algorithms	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Osnovi algoritama i struktura DSP, S. Berber i M. Temerinac, 2004
2.	Arhitekture i algoritmi DSP I, V. Kovačević, M. Popović, M. Temerinac, N. Teslić, 2005
3.	Principi telekomunikacija I i II, M. Temerinac, 1988
4.	Osnovi telekomunikacija, V. Milošević, Ž. Trpovski, M. Temerinac, 1994
5.	Temerinac-Ott M., Temerinac M.: Discrete Fourier-Invariant Signals: Design and Applications", Elsevier Science Publishers, 2012, Vol. 60, No 3, pp. 1108-1120, UDK: 10.1109/TSP.2011.2178602
6.	Miodrag Temerinac, Carsten Noeske, Ralf Herz, Steffen Zimmermann, Volker Wagner, „ Eine neue DSP Plattform für Multimedia-Anwendungen", it - Information Technology 45(6): (2003)
7.	Hilsinger U., Bock C., Fiesel H. and Temerinac M., "Neues Konzept für drahtlose High-End-Audioübertragung", Elektronik, Sonderheft Wireless 02/2002, pp. 50-55
8.	Teslić N., Zlokolica V., Peković V., Tekcan T., Temerinac M.: Packet-loss error detection system for DTV and set-top box functional testing, IEEE Transactions on Consumer Electronics, 2010, Vol. 56, No 3, pp. 1311-1319, ISSN 0098-3063, UDK: 10.1109/TCE.2010.5606264
9.	Kovačević J., Samardžija D., Temerinac M.: Joint coding rate control for audio streaming in short range wireless networks, IEEE TRANSACTIONS ON CONSUMER ELECTRONICS 2009 55 (2):486-491, 2009, Vol. 55, No 2, pp. 486-491, ISSN 0098-3063
10.	Marijan D., Teslić N., Temerinac M., Peković V.: On the Effectiveness of the System Validation Based on the Black Box Testing Methodology, JOURNAL OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA, 2009, Vol. 2009, No 7(4), pp. 1-4, UDK: http://d.wanfangdata.com.cn/Periodical_zgdzkj-e200904020.aspx

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0

Total of SCI(SSCI) list papers :	22			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Teofanov Đ. Ljiljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.12.1995
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences

	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
8.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M48	Numerical Methods for Solving Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Surla, K., Teofanov, Lj., Uzelac, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89
2.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters II: robust finite element solution, J. Comput. Appl. Math. Vol. 212, 2008, 374-389
3.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters I: solution decomposition, J. Comput. Appl. Math. Vol. 206, 2007, 1082-1097
4.	Surla, K., Uzelac, Z., Teofanov, Lj., The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul. 2009, Vol. 79, No 8, pp.2490-2505
5.	Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765
6.	Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444
7.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50
8.	Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132
9.	Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183
10.	Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000, 95 str.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	12			
Total of SCI(SSCI) list papers :	7			
Current projects :		Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Teslić Đ. Nikola	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Computer Engineering and Computer Communication	

Academic carieer	Year	Institution	Field
Academic title election:	2011		Computer Engineering and Computer Communication
PhD thesis	1999	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Computer Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E227A	Logic Design of Computer Systems 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E244	Selected Chapters in Physical Architecture Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	RT50	Television and Image Processing Software 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	EK465	Architectures of digital signal processors	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	SERT02	Basics of computer engineering	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
6.	RT56	Television and Image Processing Software 2	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
7.	RT511	Practicum in computer engineering and computer communications	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DRT04	Selected Chapters in Computer Communications	(Z01) Safety at Work, Doctoral Academic Studies
9.	DRT04	Selected Chapters in television software	(E20) Computing and Control Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Arhitekture i algoritmi DSP 1, Vladimir Kovačević, Miroslav Popović, Miodrag Temerinac, Nikola Teslić
2.	Zbirka rešenih zadataka iz logičkog projektovanja. računarskih sistema I : projektovanje digitalnih sistema. Mihajlo Katona, Nikola Teslić, Vladimir Kovačević

	Representative refferences (minimum 5, not more than 10)
3.	Z. Šarić, S. Jovičić, V. Kovačević, N.Teslić, D. Kukolj , SYSTEM AND TECHNIQUE FOR SPEAKER LOCALIZATION USING MICROPHONE ARRAY, filled 21.november, 2006, No. P-2006/0642.
4.	D. Kukolj , V. Kovačević, N.Teslić, I. Papp, TECHNIQUE FOR DIRECTION OF ARRIVAL ESTIMATION FROM SOUND SOURCE USING DUAL MICROPHONE SYSTEM, filled 3.november, 2006, No. P-2006/0612.
5.	Z. Šaric, S. Jovičić, V. Kovačević, N.Teslić, I. Papp, TECHNIQUE AND SYSTEM FOR AUTOMATIC GAIN CONTROL (AGC) USING MICROPHONE ARRAY, filled 3.november, 2006, No. P-2006/0611.
6.	Majstorović D., Čelanović I., Teslić N., Čelanović N., Katić V.: Ultra-Low Letency Hardware-in-the-Loop Platform for Rapid Validation of Power Electronics Designs, IEEE Transaction on Industrial Electronics, 2011, Vol. 58, No 10, pp. 4708-4716, ISSN 0278-0046, UDK: http://dx.doi.org/10.1109/TIE.2011.2112318
7.	Pap I., Šarić Z., Jovičić S., Teslić N.: Adaptive microphone array for unknown desired speaker's transfer function, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 2007, Vol. 122, No 2, pp. 44-49, ISSN 10.1121/1.2749077, UDK: http://dx.doi.org/10.1121/1.2749077
8.	Katona M., Kaštelan I., Peković V., Teslić N., Tekcan T.: Automatic black box testing of television systems on the final production line, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 1, pp. 224-231, ISSN 0098-3063, UDK: 10.1109/TCE.2011.5735506
9.	Pap I., Šarić Z., Teslić N.: Hands-free Voice Communication with TV, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 2, pp. 606-614, ISSN 0098-3063, UDK: doi: 10.1109/TCE.2011.5955198
10.	Marijan D., Zlokolica V., Teslić N., Peković V., Teckan T.: Automatic Functional TV Set Failure Detection System, IEEE Transactions on Consumer Electronics, 2010, Vol. 56, No 1, pp. 125-133, ISSN 0098-3063, UDK: 10.1109/TCE.2010.5439135

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	2	International :	10

Science, arts and professional qualifications

Name and last name:		Uzelac S. Zorica	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1975	
Scientific or art field:		Mathematics	

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1980	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Mathematical Sciences

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG05	Mathematical Methods 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	II1052	Mathematics 2	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1002	Mathematics 1	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1006	Mathematics 2	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1120	Knowledge management	(I20) Engineering Management, Undergraduate Academic Studies
7.	0M518	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML518	Numerical Solution of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
9.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	OIR010	Mathematics for Business and Finance	(I20) Engineering Management, Specialised Professional Studies
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M16	Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M18	Numerical Analysis	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DM322	Numeric Methods in Power Machines and Plants	(M00) Mechanical Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Surla K., Teofanov Lj., Uzelac Z.: A robust layer-resolving spline collocation method for a convection-diffusion problem, Applied Mathematics and Computation, 2009, Vol. 208, No 1, pp. 76-89, ISSN 0096-3003
2.	Surla K., Uzelac Z., Teofanov Lj.: The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul, 2009, Vol. 79, No 8, pp. 2490-2505, ISSN 0378-4754
3.	Surla, K., Uzelac, Z., Some uniformly convergent spline difference schemes for singularly perturbed boundary value problems, IMA J. Numer. Anal.10(1990) 209-222
4.	Sekulić, D., Edeskuty, F.J.,Uzelac, Z., Heat Transfer Through a High Temperature Superconducting Current Lead at Criogenic temperatures, Int.J. Heat Mass Transfer, Vol. 40,No 16, 1997, 3917-3926,
5.	Uzelac, Z., Surla, K., Discretization of the Semilinear Singularly Perturbed Problem, Nonlinear Analysis: Theory, Methods and Applications, Vol.30, No.8, (1997), 4741-4747
6.	Sekulic, D., Uzelac, Z., Edeskuty, F., J., Entropy generation in a high temperaturesuperconducting current lead, Cryogenics, Vol 32(1992) 1154-1161
7.	Cvetićanin, L., Uzelac, Z., Longitudinal Vibration of Rod with Non-Linear Constitutive Equation, Journal of Vibration and Control,5, (1999), 827-849
8.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, International Journal of Computer Mathematics, Vol. 84, No. 1, 2007, 33-50
9.	Z. Uzelac, L. Nešić, D. Hristić, A Contribution to Research the Caracteristics of Women Managers and a New Style of Leadedrship, Proceedings of IC-Congress, Haarlem, The Netherlands, 3-4. May 2007
10.	Dj. Ćelić, Z. Uzelac, Vrednosne mreže, Zborniki radova XIII Medjunarodna konferncija industrijski sistemi-IS05, Herceg Novi, 07-09. septembar, 2005, 921-931

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	52			
Total of SCI(SSCI) list papers :	26			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Vidaković P. Milan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	20.01.1998
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
4.	GI211	Geoinformatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI111	Information technologies in geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	AD0008	Web design in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
11.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
12.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
13.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Vidaković, M., Milosavljević, B., "Internationalisation of the BISIS Library Information System", Proceedings of the 28th International Unicode Conference, Orlando, USA, September 7-9, 2005.
2.	Vidaković, M., Sladić, G., Zarić, M., "Metadata Harvesting Using Agent Technology", Proceedings of the 8th IASTED International Conference on Software Engineering and Applications (SEA 2004), Cambridge, USA, November 9-11, 2004., pp. 489-493
3.	Vidaković M., Sladić G., Komazec S., "Sistemi za upravljanje elektronskim sadržajima i njihova promena u eUpravi", Info M: časopis za informacione tehnologije i multimedijalne sisteme, 2006., pp. 36-41, ISSN 1451-4397
4.	Vidaković, M., Zubić, T., Milosavljević, B., Pupovac, B., Tošić, T., "Processing Bibliographic Documents in the Library Inforation System BISIS", Proceedings of the International Conference on Distributed LibraryInformation Systems, Ohrid, Former Yugoslav Republic of Macedonia, June 1-6, 2004., pp. 65-91.
5.	Vidaković, M., Sladić, G., Konjović, Z., "Security Management In J2EE Based Intelligent Agent Framework", Proceedings of the 7th IASTED International Conference on Software Engineering and Applications (SEA 2003), Marina Del Rey, USA, November 3-5, 2003., pp. 128-133.
6.	Milosavljević B., Vidaković M., Komazec S. and Milosavljević G., "User Interface Code Generation for Data-Intensive Systems with EJB-based Data Models", In Software Engineering Research and Practice, Las Vegas, NV, USA, 2003.
7.	Vidaković, M., Konjović, Z., "EJB Based Intelligent Agents Framework", Proceedings of the 6th IASTED International Conference on Software Engineering and Applications (SEA 2002), Cambridge, USA, November 4-6, 2002., pp. 343-348.
8.	Vidaković M., "Agentska okruženja", Zadužbina Andrejević. Beograd, 2007, ISBN: 9-788672-446210
9.	Milosavljević B., Vidaković M., Java i Internet programiranje, FTN izdavaštvo, 2007., ISBN 978-86-7892-047-9
10.	Okanović D., Vidaković M., „Upotreba JMX mlet servisa za ažuriranje verzija aplikacija", Zbornik radova YuInfo 2007 (CD), Kopaonik 2007.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	119			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Vilotić Ž. Dragiša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1975
Scientific or art field:	Plastic Deformation Technology, Rapid Prototyping, Virtual

Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P207	Metal forming	(P00) Production Engineering, Undergraduate Academic Studies
2.	P2401	Advanced Methods in Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
3.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
4.	P303	Machines for Processing by Deforming	(P00) Production Engineering, Undergraduate Academic Studies
5.	P3403	Technology of Plastic Forming - Shaping of plastic material	(P00) Production Engineering, Undergraduate Academic Studies
6.	P3503	Machines and Devices for Plastic Processing	(P00) Production Engineering, Undergraduate Academic Studies
7.	M2062	Mechanical engineering technologies 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M3203	Technology of machinery	(M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	P3402	Physical and Phase States of Polymers	(P00) Production Engineering, Undergraduate Academic Studies
10.	ZR408A	Safety at work on the machines for processing	(Z01) Safety at Work, Undergraduate Academic Studies
11.	P2407	Rapid Prototyping and Rapid Tooling	(PM0) Production Engineering, Master Academic Studies
12.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
13.	P3503A	Contemporary Process Systems for Plastic Treatment	(PM0) Production Engineering, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	(BM0) Biomedical Engineering, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
15.	PMISP1	Modelling and Simulation of Metal Forming Processes	(PM0) Production Engineering, Master Academic Studies
16.	PTS01	Technology of sintering	(PM0) Production Engineering, Master Academic Studies
17.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP008	Contemporary Methods and TPD Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP012	Physical Modelling and TPD Simulation by Computers	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP015	Nonconventional Procedures of Forming in TPD	(M00) Mechanical Engineering, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
22.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
23.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP028	Theoretical basis for forming polymer technology	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136

2. Alexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851

3. Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture , Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944

4. Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests , Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851

5. Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683

6. Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683

7. Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , Steel Research International, 2011, pp. 923-928, ISSN 1611-3683

8. Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683

9. D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006.

10. Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006.

Summary data for teacher's scientific or art and professional activity:

Quotation total :	17			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Vučinić-Vasić T. Milica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.04.2000
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	2007	Faculty of Sciences - Novi Sad	Physics
Magister thesis	2000	Faculty of Sciences - Novi Sad	Physics
Bachelor's thesis	1996	Faculty of Sciences - Novi Sad	Physics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F102	Physics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
5.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Milica Vučinić-Vasić, Divko Ćirić, Tatjana Škrbić, Miroljub Đurić, Zbirka zadataka iz fizike, FTN Izdavaštvo, Novi Sad 2005.
2.	Ljuba Budinski-Petković, Milica Vučinić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za računarstvo i automatiku, S PRINT, Novi Sad, 2003
3.	Ljuba Budinski-Petković, Milica Vučinić-Vasić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za mašinstvo – odsek za grafičko inženjerstvo – odsek za mehatroniku, Delta press, Novi Sad, 2003.
4.	Vučinić-Vasić M.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447

	Representative refferences (minimum 5, not more than 10)
5.	Vučinić-Vasić M., Mihailović A., Kozmidis-Luburić U., Nemeš T., Ninkov J., Zeremski T., Antić B.: Metal contamination of short-term snow cover near urban crossroads: Correlation analysis of metal content and fine particles didtribution, Chemosphere, 2012, Vol. 6, No 86, pp. 585-592
6.	Kremenović A., Jančar B., Ristić M., Vučinić-Vasić M., Rogan J., Pacevski A., Antić B.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447
7.	Antić B., Kremenović A., Vučinić-Vasić M., Dohcević-Mitrović Z., Nikoloć A., Gruden-Pavlović M., Jančar B., Meden A.: Composition related properties of (Yb,Y)(2)O-3 nanoparticles synthesized by controlled thermal degradation of AA complexes, Materials chemistry and physics, 2010, Vol. 122, No 2-3, pp. 386-391, ISSN 0254-0584
8.	Antić B., Rogan J., Kremenović A., Nikoloć A., Vučinić-Vasić M., Božanić D., Goya G., Colomban P.: Optimization of photoluminescence of Y2O3:Eu and Gd2O3:Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes, NANOTECHNOLOGY, 2010, Vol. 21, No 24, pp. 2457-2457, ISSN 0957-4484
9.	Jović N., Vučinić-Vasić M., Kremenović A., Antić B., Jovalekić Č., Vulić P., Kahlenberg V., Kaindl R.: HEBM synthesis of nanocrystalline LiZn0.5Ti1.5O4 spinel and thermally induced order-disorder phase transition (P4332-Fd3m), Materials chemistry and physics, 2009, No 2-3, pp. 542-549, ISSN 0254-0584
10.	Vučinić-Vasić M., Antić B., Blanuša J., Rakić S., Kremenović A., Nikolić A., Kapor A.: Formation of nanosize Li-ferrites from acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition , Applied Physics A, 2006, Vol. 82, No 1, pp. 49-54, ISSN 0947-8396

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	53			
Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Vukmirović M. Srđan	
Academic title:	Assistant Professor	
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad	
	20.11.2000	
Scientific or art field:	Automatic Control and System Engineering	

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering

List of courses being held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
1.	E126	System Control, Modeling and Simulation	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E232	System Modeling and Simulation	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	GI303A	Distributed Systems in Geomatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	H213	System Modelling and Simulation 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
5.	E2312	Software design for SCADA systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	ESI004	Cloud Computing in power systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
7.	ESI008	Development of Cloud application in power systems	(ES0) Power Software Engineering, Undergraduate Academic Studies
8.	SEAU02	SCADA Software	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
9.	AU502	Distributed Control Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies
11.	E2533	Discrete event simulation	(E20) Computing and Control Engineering, Master Academic Studies
12.	E2535	Software Algorithms in Supervisory Control and Data Acquisition Systems	(E20) Computing and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	ESI027	Advanced cloud computing in power systems	(ES0) Power Software Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
		List of courses being held by the teacher in the accredited study programmes	
14.	ESI032	Smart grid applications in Cloud	(ES0) Power Software Engineering, Master Academic Studies
15.	ESI038	Service oriented architectures in Smart Grid	(ES0) Power Software Engineering, Master Academic Studies
16.	DAU006	Selected Chapters in Modeling and Simulation of Dynamic Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DAU018	Selected Chapters in Distributed Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
18.	ZRD25A	Selected chapters from Artificial Ingeligence	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Kljajic, Miroslav; Gvozdenac, Dusan; Vukmirovic, Srdjan Use of Neural Networks for modeling and predicting boiler's operating performance ENERGY 2012 45 (1):304-311

2. Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N.: Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, 2011, Vol. 4, No 4, pp. 672-679, ISSN 1875-6883

3. S.Vukmirovic, A. Erdeljan, D. Capko, I. Lendak, N. Nedic, Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, ISBN 1875-6891, pp. 672 - 679

4. S.Vukmirovic, A. Erdeljan, D. Capko, I. Lendak, Extension of the Common Information Model with Virtual Meter, Electronics and electrical engineering ISSN: 1392-1215, pp. 59 - 64

5. D. Capko, A. Erdeljan, S.Vukmirovic, I. Lendak, A HYBRID GENETIC ALGORITHM FOR PARTITIONING OF DATA MODEL IN DISTRIBUTION MANAGEMENT SYSTEMS, Information technology and control ISSN: 1392-124X, pp. 316 - 322

6. S.Vukmirovic, A. Erdeljan, D. Capko, I. Lendak, N. Nedic, A Genetic Algorithm Approach for Utility Management System Workflow Scheduling, Information technology and control ISSN: 1392-124X, pp. 310 - 316

7. Ilić S., Vukmirović S., Erdeljan A., Kulić F.: Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, 2012, Vol. 16, No S, pp. 215-224, ISSN 0354-9836

8. Vukmirović S., Erdeljan A., Lendak I., Čapko D.: A novel software architecture for Smart Metering systems, Journal of Scientific and Industrial Research (JSIR), 2010, Vol. 2010, No 12, pp. 937-941, ISSN 0022-4456

9. Vukmirović S., Vujić G., Vujic B., Jovičić N., Jovičić G., Babić M.: Experimental and Artificial Neural Network approach for forecasting of traffic air pollution in urban areas: the case study of Subotica, Thermal Science - International Scientific Journal, 2010, Vol. 14, pp. 79-87, ISSN 0354-9836

10. Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456

Summary data for teacher's scientific or art and professional activity:

Quotation total :	0			
Total of SCI(SSCI) list papers :	12			
Current projects :	Domestic :	2	International :	0

Standard 10.   Organizational and Material Resources

To perform the study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are provided. Classes on the study programme Computing and Control Engineering are held in 2 shifts, so the minimum of 2 m2 of space is provided per student.

To perform the study programme, the adequate space for lecturing is provided, as well as the adequate laboratory space necessary for the experimental work and the equipment based on contemporary information and communication technologies. Lectures are held in amphitheaters, classrooms and specialized laboratories.

Faculty provides the usage of the library fund from its own or other sources (books, monographs, scientific magazines, other periodicals) in the amount necessary for the Doctoral study programme. Doctoral study students have the access to databases necessary for Doctoral dissertation elaboration and scientific and research work.

The library possesses more than 100 library units relevant for the performance of the study programme. All courses from the study programme have adequate textbooks, devices and supplementary equipment available on time and in a satisfactory number for the normal teaching process. There is also adequate IT support.

Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and laboratories.

Faculty has a short-term and a long-term plan and the budget for the realization of scientific and research work.

Faculty enables students to utilize equipment or have access to necessary and adequate equipment in the possession of the Faculty, for scientific and research work.

Faculty enables students to utilize equipment or have access to the equipment necessary for scientific and research work on the basis of contracts on cooperation with other appropriate institutions.

Standard 11.   Quality Control

Estimation of the study programme quality is elaborated regularly and systematically via self-evaluation and external quality control. One should place an emphasis on the multi-decade practice of students` surveys.

Study programme quality control is elaborated in the following manners:

- Surveying students at final lecture from the given course.

- Surveying students on the quality of the study programme and logistic support to the studies in the event of awarding the Diploma. Also, the studying comfort (classroom cleanness and tidiness) is evaluated there.

- Surveying students during the confirmation on completing a year of studies. Then students evaluate the logistic support to the studies.

- Surveying students on enrolling each year of studies. Then students evaluate the study programme at the year they completed in the prior academic year.

- Surveying the teaching and non-teaching staff on the quality of the study programme and the logistic support to the studies. This survey evaluates the work of the Dean`s office, Registrar`s office, library, and other services at the Faculty. Furthermore, the studying comfort (classroom cleanness and tidiness) is also evaluated.

To monitor the quality of the study programme, there is also a committee with all heads of all Departments participating in the realization of the study programme, together with a student from each study group.

Additional quality is obtained by the obligatory scientific production of candidates. Prior to beginning the defence of the Doctoral dissertation, each candidate is obliged to publish at least 2 (two) papers in the R54 rank (following the categorization provided by the Ministry of Science) and at least one paper in the magazine from the SCI list.