

STUDY PROGRAMME ACCREDITATION MATERIAL:

CIVIL ENGINEERING

DOCTORAL ACADEMIC STUDIES

Novi Sad

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Prevod sa srpskog jezika:

Jelisaveta Šafranj

Ivana Mirović

Marina Katić

Vesna Bodganović

Dragana Gak

Ličen Branislava



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	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p>	
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	

Programme name	Civil 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, professional or art field	Civil Engineering
Type of studies	Doctoral Academic Studies
Study scope, expressed in ECTS	180-181
Academic degree, abbreviation	Doctor of Science - Civil Engineering, Ph.D.Civ.Eng.
Study length	3
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	15
Planned number of students to be enrolled in this programme	33
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



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

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

The study programme of the Doctoral studies "Civil Engineering" presents the continuation of the study programme for graduate academic – Master studies "Civil Engineering" at the Faculty of Technical Sciences, University of Novi Sad. This study programme should enable students to become capable for individual scientific and research work within the selected field of their Doctoral thesis. Besides additional concretisation and integration of knowledge, stronger understanding of main physical principles and acquisition of capabilities necessary for the realization of contemporary technical systems, students should also develop their abilities for individual looking up and utilizing foreign literature, innovative thinking unburdened by previous realizations, and propositions of solutions that will represent the expansion of the boundaries of current scientific knowledge and professional engineering practice.

COMPETENCE OF THE FACULTY FOR THE ADMINISTRATION OF DOCTORAL 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.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

Standard 01. Programme Structure

The name of the Doctoral Study Programme is "Civil Engineering". The acquired academic degree is a Doctor of Science - Civil Engineering (Ph.D.). The outcome of the learning process is the knowledge which enables students to become capable of independent scientific research.

Doctoral studies in Civil Engineering last for three years and they are worth at least 180 ECTS. Out of it, 90 ECTS is obtained through examination at the subjects, 30 ECTS is obtained by laying theoretical basis for doctoral dissertation, and 60 ECTS is acquired by elaborating and defending the doctoral dissertation. Doctoral studies cannot last longer than 6 years, and exceptionally for justified reasons, may be extended up to 8 years.

Student's research interest is profiled by selecting teaching subjects which will be studied and taken; and thus, contributing to their in-depth knowledge and understanding of areas (themes) of their doctoral dissertation. Optional subjects are selected from the group of proposed subjects on the study programme. Teaching activity for the subjects (compulsory or optional) is group or individual (mentoring) activity. Group classes are held if the subject was chosen by five or more students or if this type of lecturing is necessary to be organized due to the nature (character) of the subject. The decision on the type of instruction and optional subjects that will be taught is made by the Head of Doctoral Studies following the proposal of the Committee for the Quality of the study programme (study group).



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

Standard 02. Programme Objectives

The purpose of the Study Programme is the 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 Civil Engineering is designed to provide the 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 the purpose of the Study Programme of Civil Engineering is completely in accordance with the objectives and goals of the Faculty of Technical Sciences.

**Study Programme Accreditation - PhD Studies**

DOCTORAL ACADEMIC STUDIES

Civil Engineering

Standard 03. Programme Goals

The objective of the study programme is to achieve student's scientific competencies and academic skills in the field of Civil Engineering. This also includes the development of creative abilities in considering problems and the ability of critical thinking, the development of teamwork skills and the mastering of specific practical skills necessary to perform the profession.

The objective of the study programme 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 a society in general and the environmental protection. The objective of the study programme is also the education of experts in the field of teamwork, and the development of technical capacity for communication and presentation of their original results to scientific public.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

Standard 04. Graduates' Competencies

PhD graduates of the academic study programme in Civil 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 behaviour 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 civil engineering that complements the knowledge gained at 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 civil engineering;
- 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 in 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 civil engineering 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 civil engineering;

Students will be enabled to design, organize and manage the construction of specific and complex structures. During their education, students acquire the knowledge to independently perform experiments, process statistic data, as well as formulate and make adequate conclusions. Students who obtain their Doctoral degree in Civil Engineering acquire knowledge on how to economically utilize natural resources of the Republic of Serbia in accordance with the 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 Doctoral Diploma a candidate must publish (or to prove that the papers are accepted for publication) at least one paper in the SCI listed journal.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

Standard 05. Curriculum

The curriculum of the Doctoral Academic Study Programme in Civil 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 180ECTS, out of which at least 90 ECTS are obtained by passing the course tests assigned by the study programme, 30 ECTS are obtained by passing the theoretical basis for Doctoral dissertation, and 60 ECTS are obtained through the elaboration and defence of Doctoral dissertation.

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 examination (either written and/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 8 academic years.

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

The course lectures (compulsory and optional) 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.



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	<h2 style="margin: 0;">Study Programme Accreditation - PhD Studies</h2> <p style="margin: 0;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	

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 various scientific methods which was used in scientific literature						
- Ability of successful managing in professional literature						
- Ability of successful writing of scientific paper in area 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 Popper		Logika naučnog otkrića		Nolit, Beograd	1973



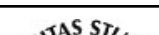
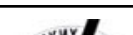
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	Civil Engineering	

Table 5.2 Course specification

Course:		Selected Chapters in Mathematics			
Course id:	DZ01M				
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 hidrometeorološki 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

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DOCTORAL ACADEMIC STUDIES		Civil Engineering		
Literature				
Ord.	Author	Title	Publisher	Year
13,	Mileva Prvanović	Osnovi geometrije	Građevinska knjiga, Beograd	1990

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	<h2 style="margin: 0;">Study Programme Accreditation - PhD Studies</h2> <p style="margin: 0;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	

Table 5.2 Course specification

Course:		Rheology of Concrete Structures				
Course id: GD015						
Number of ECTS: 13						
Teachers:		Malešev M. Mirjana, Radonjanin S. Vlastimir, Brujić S. Zoran				
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:						
Enabling students to select adequate rheological models to analyse concrete and both concrete prestressed and poststressed structures with inclusions (concrete shrinking and leaking, and prestressed steel relaxation). Enabling them for experimental researches of long-lasting processes in concrete and prestressed structures.						
2. Educational outcomes (acquired knowledge):						
Based on theoretical ideal models, enabling students to select adequate models for predicting the behaviour of monolith concrete, prefabricated – monolith, and prestressed (full and partial) structures. Possibility to analyse gradual building in monolith and precast concrete and prestressed structures.						
3. Course content/structure:						
Rheology of the fresh concrete mass and the influence of individual components on concrete shrinkage and leaking. Concrete shrinkage and its inclusion into complex structure analyses. Laws on idealised body deformations (Hooke`s, Newtonian fluid, Sent-Benan`s, Maxwell`s, Kelvin`s, Bingham`s). Body and combinations in selecting rheological models. Fundamentals in viscoelasticity and its adaptation to reinforced and prestressed elements and structures. Aging theory. Inherited aging theory. Integral and algebra connections between stress and strain and the application of step-by-step method for long-term process analysis in concrete structures. Analogy of dynamic and rheological models. Numeric and experimental analysis on concrete leaking and prestressed steel relaxation in partially and fully prestressed structures.						
4. Teaching methods:						
Partially auditorial through lectures and tutorials, and partially in seminar papers that are publicly presented and defended and have a share in the candidate`s grade.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Coloquium exam			Yes	30.00	Oral part of the exam	Yes 40.00
Term paper			Yes	30.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Radomir Folić i Borjan Popović		Parcijalno prethodno napregnute konstrukcije		FTN Novi Sad (knjiga je recenzirana jula 2007. očekuje se o)	2007
2,	Radomir Folić i Milorad Tatomirović		Spregnute betonske konstrukcije I i II deo		Savez GITJ, Beograd	2001
3,	Naaman, A.E.		Prestressed Concrete Analysis and Design-Fundamentals		McGraw-Heel	1982
4,	CEN - EN 1992		Evrokod 2-Deo 1: Projektovanje betonskih konstrukcija		CEN Brisel - prevod GF Beograd	2006



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Table 5.2 Course specification

Course:		Selected Chapters in Hydro-informatics			
Course id:	GD026				
Number of ECTS:	13				
Teachers:		Kolaković R. Srđan, Markuš B. Momčilo			
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 goal of this course includes work on improving scientific and technical competence of the participants, as well as work on developing the skills of scientific and technical communication in the field of civil engineering-hydraulic.					
2. Educational outcomes (acquired knowledge):					
As a result, students will be able to conduct independent research in the field hydroinformatics of defining issues, through gathering information through search of the literature, the application of the chosen method , and in the end, create a written report that meets the standards of scientific journals.					
3. Course content/structure:					
Statistical analysis of the hydro-climatology. Spatial interpolation of climate data, analysis of the frequency of high water, rain frequency analysis, probabilistic hydrological forecasts, predictions using the state space, the predictability of the water quality parameters, the application of genetic algorithms, neural networks application, the use of covariation analysis, trend analysis and other changes in the hydrological and weather hydro-climatic series.					
4. Teaching methods:					
Interactive work with the students to the continuous monitoring of the level of student learning. Theoretical analysis and numerical modeling of the phenomenon covered by syllabus . Program requires preparation and defense of a term paper.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Lecture attendance		Yes	10.00	Oral part of the exam	Yes 40.00
Term paper		Yes	50.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Zelenhasić Emir	Inženjerska hidrologija		Naučna knjiga - Beograd	1991
2,	Salas, J.D., Markus, M., and Tokar, A.S	Streamflow Forecasting Based on Artificial Neural Networks; chapter in Artificial Neural Networks in Hydrology		Kluwer Academic Publishers, Dordrecht	2000
3,	Kumar, P., Alameda, J,	Hydroinformatics: Data Integrative Approaches in Computation, Analysis, and Modeling		CRC Press, Boca Raton, Florida	2006



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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 Phvics		Springer-Verlaq	1988


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Table 5.2 Course specification

Course:		Selected Chapters in Process Modelling in Construction						
Course id:	GD021							
Number of ECTS:	13							
Teacher:		Ćirović 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:								
To acquire knowledge on methods for modelling building processes (building construction, hydro construction and civil engineering construction).								
2. Educational outcomes (acquired knowledge):								
Enabling students to analyse building processes, elaborate models by applying research methods, as well as analyse risk in decision-making process. The acquired knowledge can be applied in further researches in the field of construction management, as well as in concrete practical applications.								
3. Course content/structure:								
Modelling a building process. Research methods (deterministic methods, probabilistic methods, heuristic methods, simulation models, expert methods). Decision-making process. Decision-making and risks. Risk management. Fuzzy logic in risk management. Neural networks in risk management.								
4. Teaching methods:								
Teaching are realized by lectures in the form of presentations of individual method units, as well as n tutorials. Students select a field for a seminar paper elaborated with consultations with the teacher. The examination covers the entire subject content presented during the semester and it is taken both in writing and orally. Examination grade comprises lecture attendance, seminar paper grades, written and oral examination.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Lecture attendance			Yes	5.00	Written part of the exam - tasks and theory		Yes	35.00
Term paper			Yes	60.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Novaković V.		Kvantitativni metodi u građevinskom menadžmentu			Izgradnja, Beograd		2002
2,	Petrić, J., Šarenac, L., Kojić, Z.		Operaciona istraživanja, Zbirka rešenih zadataka, Knjiga 1 i 2			Univerzitet u Beogradu		1978
3,	Prašćević Ž.		Operaciona istraživanja u građevinarstvu – determinističke metode			GF Beograd		1992
4,	Opricović S.		Višekriterijumska optimizacija			Naučna knjiga, Beograd		1986
5,	Bronson, R.		Theory and Problems of OPERATIONS RESEARCH			Schaum"s outline series, McGraw-Hill, USA		1982
6,	Scheid, F.		NUMERICAL ANALYSIS			Schamu"s Outline Series, McGRAW-HILL, New York		1982
7,	Wideman, R.M.		Project and Program RISK MANAGEMENT A Guide to Managing Project Risk and Opportunities			PMI, A Publication of the Pr. Manag. Inst., Penn		1992



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Table 5.2 Course specification

Course:		Suistainable safe road design						
Course id: DSSK6S								
Number of ECTS: 14								
Teachers:		Tollazzi B. Tomaž, Kostić I. Svetozar, Tollazzi B. Tomaž, Kostić I. Svetozar						
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:								
<ul style="list-style-type: none">•To provide candidates with an understanding of the system driver - vehicle - environment, human psycho-physical properties, the choice of driving speed, orientation and understanding, understanding of the causes of traffic accidents.•To provide candidates with an understanding of the sustainable safe road design•To demonstrate how sustainable safe road design should be undertaken•To provide candidates with the tools to undertake sustainable safe road design•To provide an examples of previous SSRD undertaken in other countries								
2. Educational outcomes (acquired knowledge):								
Understanding the system driver - vehicle - environment, human psycho-physical properties, the choice of driving speed, orientation and understanding, understanding of the causes of traffic accidents.								
Understanding the concept of sustainable safe road design.								
3. Course content/structure:								
MODULE 1: HUMAN BEHAVIOUR								
1. Human – environment – vehicle system								
2. Incident and Accident								
3. Accident reasons								
4. Random nature of accidents								
5. Accident analysis								
MODULE 2: SUSTAINABLE SAFE ROAD DESIGN								
1SUSTAINABLE SAFE ROAD DESIGN: THEORY								
<ul style="list-style-type: none">•Safety concept•Safety principles•Road functions•Recognizable road categories•Road categories•Network classification•Capacity								
2SUSTAINABLE SAFE ROAD DESIGN: CROSS SECTION								
<ul style="list-style-type: none">•Cross section•Intermediate cross sections•Design of roadside•Restraint systems								
3SUSTAINABLE SAFE ROAD DESIGN: JUNCTIONS								
<ul style="list-style-type: none">•General requirements•Roundabout•Priority junctions•Priority junctions with traffic lights								
4SUSTAINABLE SAFE ROAD DESIGN: ALIGNMENT								
<ul style="list-style-type: none">•Introduction•Sight distance•Horizontal alignment•Transition curves•Super elevation•Vertical alignment•Composed alignment								
5SUSTAINABLE SAFE ROAD DESIGN: LINEAR VILLAGES								
<ul style="list-style-type: none">•Traffic calming•Problems encountered linear villages•Problem analysis•Goals								



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•Solutions

6SUSTAINABLE SAFE ROAD DESIGN: PEDESTRIAN CROSSING

- The problem
- Causes / origins
- Objectives
- Solutions
- Give way crossings
- Split level crossings

7 SUSTAINABLE SAFE ROAD DESIGN: CYCLISTS

- General requirements
- Categorisation
- Horizontal alignment
- Cross sections
- Vertical alignment
- Crossings
- Parking places
- Pavement

4. Teaching methods:

At the end of each module: At the end of each module, student completes a short test, which covers the teaching material of that module.
At the end of teamwork: At the end of teamwork, team completed checklists and prepare a final report.

Oral presentations supportet by Power point and case studies of good and bad practice (in teams).

Passing the course means that the following conditions are met:

- knowledge is demonstrated on ongoing verifications
- knowledge is demonstrated at the final hearing.

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,	EU	Directive 2008/96/EC – Road Infrastructure Safety Management (2008)		2008
2,	R.Elvik et al.	Accident Prediction Models and Road Safety Impact Assessments: Results of the Pilot Studies – RI-SWOV-WP2-R4-Results (2007)		2007
3,	Reurings et al.	Accident Prediction Models and Road Safety Impact Assessments – a state of the art study – RI-SWOV-WP2-R1-State of the Art (2008)		2008
4,	Kononov, Allery	Explicit Consideration of Safety in Transportation Planning and Project Scoping (2005)		2005
5,	Kononov et al.	Safety Conscious Planning – Corridor Level Application and a Review of the Case History – Kononov et al (2005)		2005
6,	Falco, Proctor, Gonzales	Euro-Audits		2007
7,	ETSC	Road Safety Audit and Impact Assessment		1997
8,	Proctor et al.	Institute of Highways and Transportation – Road Safety Audit		2008
9,	Nielsen, Mathiasen	Road Safety Audit in Practise		2003
10,	Matena et al.	RIPCORDER-ISEREST Road Safety Audit – Best Practise Guidelines, Qualification for Auditors and 'Programming' – RI-WP4-D4		2008



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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


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Table 5.2 Course specification

Course:		Selected Chapters in Science on Materials			
Course id: GD012					
Number of ECTS: 14					
Teacher:		Radeka M. Miroslava			
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 knowledge in the area of construction material engineering (obtaining materials with priory defined properties) and connecting their structural characteristics with the properties, which is important for the application in construction practice. Within the course, engineering of the following materials will be considered: metals, ceramics (glass, rough and smooth construction ceramics, mortar, light concrete and ordinary concrete regarding the definition of the structure resistant to frost and chloride), polymers utilized in construction, composite materials. Apart from material engineering, special thematic units will be concerned with the application of nanomaterials (especially with photo-catalytic function) and nanotechnologies in construction.					
2. Educational outcomes (acquired knowledge):					
The acquired knowledge will be used by students for individual research work and other courses at Doctoral studies. Knowledge for understanding the main principles in material engineering enables students to find best solutions in practice for the protection of materials from harmful influence in the environment, preservation of monuments, professional analyses of damage samples and structure damages. Introduction to basic properties and the application of nanomaterials enables easier application of these materials in practice.					
3. Course content/structure:					
Structure of engineering materials (crystal structure, microstructure, molecular structure of organic polymers and glass). Material engineering: metals and alloys (hardening mechanisms, the influence of processing on mechanical properties, degradation), glass and ceramics (types of glass, means for altering mechanical properties, types of ceramic materials, processing modern ceramics, mechanisms for altering mechanical properties), cement, mortar, concrete (porosity, pore size distribution, links between pore characteristics and durability), polymers (types, processing manners, degradation, mechanisms for altering mechanic properties), composite materials (procedures for production, modelling the composite material properties), nanomaterials (basic properties, manner of production, application in construction, nanomaterials with photo-catalytic properties).					
4. Teaching methods:					
Lectures are held with contemporary technical means: PowerPoint presentations, film and graphic illustrations, usage of contemporary laboratory equipment (use of scanning electronic microscope, HRD, thermal methods). Tutorials. Consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Term paper		Yes	40.00	Oral part of the exam	Yes 60.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	P.J.M. Bartos, J.J. Huges, P. Trtik and W. Zhu	Nanotechnology in construction		The Royal Society of Chemistry	2004
2,	M. Radeka	Nauka o materijalima		materijali sa predavanja	2007
3,	John Martin	Materials for engineering		Woodhead publishing limited	2006
4,	Gorbunov	Osnovi stroitelnogo materialovedenija		Izdatelstvo ASV	2002

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Table 5.2 Course specification

Course:		Systemic Regulation of Environment				
Course id: ZSP20						
Number of ECTS: 14						
Teachers:		Kosec L. Borut, Vujić V. 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:						
Introduce students to the basic regulations on the global, EU and national level in the field of environment.						
2. Educational outcomes (acquired knowledge):						
Students acquire knowledge about basic regulatory instruments in order to understand that engineering projects are sometimes limited by strategic and legal frameworks and to learn the nomenclature of communication with lawyers and legal agents.						
3. Course content/structure:						
The basic strategy of global environment International multilateral treaties in the field of environment The basic theme of the EU strategy of significance for environment EU Directives in the environmental field National strategy of environment National legislation in the field of the environment Institutional and human capacities for law enforcement						
4. Teaching methods:						
Lecture and consultation.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Term paper			Yes	30.00	Written part of the exam - tasks and theory	Yes 30.00
					Oral part of the exam	Yes 40.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	A. Najam, M. Papa, N. Taiyab		Global Environmental Governance: A Reform Agenda (e-book)		International Institute for Sustainable Devel.	2006
2,	A.Carius, K.Lietzmann, Ed,		Environmental Change and Security		Springler	1999
3,	Jean-Marie Baland, P. Bardhan & S. Bowles		Inequality, Cooperation, and Environmental Sustainability		Princeton	2006
4,	Wyn Grant, Duncan Matthews, and Peter Newell		The Effectiveness of European Union Environmental Policy		Palgrave, New York,	2001



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Table 5.2 Course specification

Course:		Earthquake Engineering							
Course id:	GD013								
Number of ECTS:	14								
Teachers:		Isaković T. Tatjana, Radonjanin S. Vlastimir							
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:									
Expending fundamental knowledge in the area of earthquake engineering, aseismic design of construction structures and seismic risk management.									
2. Educational outcomes (acquired knowledge):									
Enabling students to apply contemporary methods for structure calculations for earthquake action and design seismically resistant structures in construction practice.									
3. Course content/structure:									
Survey on earthquake action: respond spectres and accelerograms. Elastic, designed and nonlinear response spectres. Determining design loads. behaviour analysis for materials, elements and structures under the action simulating earthquakes. Breakage type control. Analysis of structures under seismic action: systems with one- and multiple-degree of freedom, linear elastic and nonlinear calculation models, equivalent static analysis, spectral analysis, and time analysis. Survey of innovative procedures for calculation structures for earthquake action: capacity method, design according to movements, and design based on performance estimation. Fundamentals in design according to contemporary regulations – Eurocode 8, FEMA 278. Main principles in designing seismically resistant structures. Selection of structural systems. Programmed behaviour method. Insulation and energy dissipation concept. Seismic insulation for buildings and bridges.									
4. Teaching methods:									
Interactive work with students with the objective to continually monitor students` knowledge level. Theoretical analysis on phenomena included in the course content and numerical modelling. The course prerequisites the elaboration and defence of a seminar paper.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Lecture attendance				Yes	10.00	Oral part of the exam		Yes	40.00
Term paper				Yes	50.00				
Literature									
Ord.	Author			Title			Publisher		Year
1,	Chopra A.K.			Dynamics of Structures – Theory and Applications to Earthquake Engineering			Prentice Hall		2001
2,	EC8			Evrokod 8 – Projektovanje seizmički otpornih konstrukcija			Građevinska knjiga, Beograd		1989
3,	Aničić D., Fajfar P., Petrović B., Savitz-Nosan A., Tomaževi			Zemljotresno inženjerstvo – visokogradnja			Građevinska knjiga, Beograd		1989
4,	Sullivan T., Priestley N., Calvi G.			Seismic Design of Frame-Wall Structures			IUSS Press, Pavia, Italy		2003
5,	Paulay T., Priestley M.J.N.			Seismic Design of Reinforced Concrete and Masonry Buildings			John Wiley & Sons, Inc.		1992
6,	Wilson E.L.			Three-Dimensional Static and Dynamic Analysis of Structures			CSI, Berkeley		2002
7,	Bathe K.J.			Finite Element Procedures			Prentice Hall		1996



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Table 5.2 Course specification

Course:		Selected Chapters in Foundation				
Course id:	GD002					
Number of ECTS:	14					
Teacher:		Đogo B. Mitar				
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:						
Enabling Doctoral studies students to acquire expert knowledge and application in practice.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge is to be utilized for solving complex geotechnical problems and developing scientific achievements.						
3. Course content/structure:						
Terrain and laboratory methods for research in geotechnics. Geotechnical environment and terrain stability. Excavations in soil and foundation excavation protection. Specificities in shallow foundation. Specificities in deep foundations.						
4. Teaching methods:						
Lectures and tutorials.						
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,	Milović D., Đogo M.		Greške u fundiranju		FTN	2005
2,	Maksimović M.		Mehanika tla		GROS Knjiga	2008


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Table 5.2 Course specification

Course:		Selected Chapters in Construction Management						
Course id:	GD004							
Number of ECTS:	14							
Teacher:		Trivunić 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:								
Acquiring knowledge on contemporary methods in management in construction companies (building construction, hydro construction and civil engineering construction).								
2. Educational outcomes (acquired knowledge):								
Enabling students to analyse processes in construction management, as well as to participate in improving the existing organizational structures in construction companies and forming the new ones. Acquired knowledge can be applied in further researches in the area of construction management, as well as in concrete application in practice.								
3. Course content/structure:								
Construction company as a business system. Position of construction companies at the market. Conditions and criteria for manager profiling in construction companies. Construction process management. Managing human resources and conflict situations. Knowledge management. Transformation of organizational structures in construction companies.								
4. Teaching methods:								
Teaching is realized as lectures in the form of presentations on individual method units, as well as tutorials with the teacher. Students select an area for elaborating a seminar paper which is done with the consultations with the teacher. Examination includes the entire course content lectured during the semester, and it is taken both in written and oral form. Examination grade is formed on the bases of attendance, seminar paper grade, written and oral examination.								
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,	Novaković V.		Menadžment savremene građevinske firme			Centar za organizaciji, razvoj i menadžment		1999
2,	Novaković V		Menadžment u savremenom građevinarstvu			Izgradnja, Beograd		2003
3,	Ivković B, Popović Ž		Upravljanje projektima u građevinarstvu			Građevinska knjiga		2005
4,	Kurij K., Krstić G.		Rešavanje problema u građevinskom menadžmentu			SGITS		2001
5,	Winch G.		Managing Construction Projects			Blackwell Publishing		2002



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Table 5.2 Course specification

Course:		Selected topics in project management in construction				
Course id:	GD025					
Number of ECTS:	14					
Teachers:		Cekić D. Zoran, Kovačević 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:						
Acquiring knowledge about modern methods of management of construction projects.						
2. Educational outcomes (acquired knowledge):						
Competence for the analysis of the management of construction projects, as well as participation in the improvement of existing and creation of new methods of project management. The acquired knowledge is applied in further research in the field of construction management, as well as at concrete implementation in practice.						
3. Course content/structure:						
International standards for the management of construction projects. Models for strategic planning of the project. Relation between strategic and project management in the construction industry. Models for managing the construction project stakeholders. Procurement management. Cost management. Leadership and communication in a construction project. Knowledge Management. Conflict management and negotiation.						
4. Teaching methods:						
The classes are realized through lectures as a methodical presentation of individual units as well as through consultation with the teacher. The student chooses the area in preparation of the seminar paper in consultation with the teacher. The exam is oral and covers the entire material exposed during the semester. Exam score is based on class attendance, grades of the seminar paper and an oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Lecture attendance			Yes	5.00	Oral part of the exam	Yes 50.00
Term paper			Yes	45.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Stevens, M.		Management Pathways, Association for Project Management		Princes Risborough	2002
2,	Turner, J. R. and Simister, S. J.		The Gower Handbook of Project Management			2000
3,	Morris, P. W. G. and Pinto, J. K.		The Wiley Guide to Managing Projects			2004
4,	Association for Project Management		APM Book of Knowledge, 6th edition			2012
5,	-		PMI Book of Knowledge, 4th edition		Project Management institute	2008
6,	-		6. ISO 21500 Guidance on Project Management		International Standard Organisation	2012
7,	-		Office of Government Commerce – Successful Delivery Toolkit			-
8,	Cleland, David I. and Ireland, Lewis R.		Project Management: Strategic Design and Implementation		McGraw-Hill	2002
9,	-		Odabrani članci iz oblasti projekt menadžmenta iz vodećih međunarodnih naučnih časopisa			-



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	Civil Engineering	

Table 5.2 Course specification

Course:		Process, principles and techniques of scientific research - selected chapters			
Course id:	GD027				
Number of ECTS:	14				
Teacher:		Folić J. Radomir			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
5		0	0	4	2
Precondition courses					
None					
1. Educational goal:					
Preparation of students for scientific research, analysis of the links between the theoretical work and the urban-architectural practice, the articulation of modern research problems and selection of the appropriate methods that will provide the theoretical foundation for the research.					
2. Educational outcomes (acquired knowledge):					
Knowledge of the methods and techniques of scientific and technical research and application development in doctoral dissertations.					
3. Course content/structure:					
The general part, the general methodology of scientific research with the logical basis, general and special methods of learning. Customizing the philosophical, logical, theoretical methods of thinking in architecture (inductive-deductive, abstract method, comparative analysis, methods of displaying graphics ...). The objective reality and objective truth, the establishment of a proof, theoretical framework and knowledge for the implementation of assigned tasks and goals of the research. The methodology of critical analysis of individual works and methods of comparative analysis (part of the figures). Research methodology in architectural and urban design. Introduction to research methodology in architectural and urban design, review of socio-economic and philosophical literature in the field of architecture and urbanism. Testing different perspective and set of value judgments in the process of scientific description and explanation of the built environment and architectural issues and urban design.					
4. Teaching methods:					
Lectures. Consultation.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Lecture attendance		Yes	0.00	Written part of the exam - tasks and theory	Yes 30.00
Project		Yes	50.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Borden, J., Ray, V. R.	The Disertation, An Architecture students handbook.		Architectural Press.	2005
2,	Folić, R	Metodologija naučnogistraživačkog rada u graditeljstvu, skripta za Poslediplomske studije		FTN, Novi Sad	2006
3,	Ilić, M	Naučno istraživanje, Opšta metodologija		Univerzitet u Beogradu, Filološki Fakultet, Beograd	1994
4,	Petrović, I	O problemima i metodama projektovanja		Arhitektonski fakultet, Beograd	1997
5,	Prodanović, T., Mičić,N	Naučno istraživanje - metode, procedura, jezik i stil		Agronomski fakultet, Čačak	1996
6,	Šešić, B	Opšta metodologija		Naučna knjiga, Beograd	1974
7,	Đ. Šušnjić	Metodologije, kritike nauke		Beograd, Čigoja štampa	2002



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	<h2 style="margin: 0;">Study Programme Accreditation - PhD Studies</h2> <p style="margin: 0;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	

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


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	Civil Engineering	

Table 5.2 Course specification

Course:		Contemporary Methods in Concrete Structure Design					
Course id: GD008							
Number of ECTS: 14							
Teachers:		Malešev M. Mirjana, Radonjanin S. Vlastimir, Vrcelj R. Zora					
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:							
Enabling students for designing special concrete structures with diverse purposes: engineering structures, bridges, multi-storey buildings and large-span halls. Likewise, enabling them for applying the software for linear and nonlinear analysis, prevalently by introducing material nonlinearity.							
2. Educational outcomes (acquired knowledge):							
Enabling students for conceptual and detail designing of significant concrete structures, with prestressing (complete and partial) and cables inside and out of cross section. Calculation methods will also include contemporary tendencies in precast building technology, i.e. production precast and precast monolith building, thus enabling students for the analysis of such structures.							
3. Course content/structure:							
Conceptual and detail design (analysis, shaping elements and structures, as well as shaping details): reinforced concrete (RC) and prestressed (PS) structures of the skeleton system buildings with and without stiffening, buildings with bearing walls and complex systems, as well as large-span halls and complex structural systems; RC and prestressed structures of beam and arch bridges with diverse building methods: cantilever with segment and monolith building method; RC and PS reservoirs and towers. Designing from conceptual to detail formation of the listed structures for individual load and action combinations including accidental actions (fire, vehicle impact, gas explosion in buildings, strong earthquakes, land subsidence i.e. foundation structure settlement). Application of programmed behaviour method in designing buildings and bridges. Designing will include special concrete foundation structures: RC diaphragms and pile foundations.							
4. Teaching methods:							
Auditory teaching, in computer laboratory; seminar paper by students done with consultations with the mentors, which will be publicly presented in front of their colleagues (seminars).							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Presentation			Yes	10.00	Oral part of the exam	Yes	35.00
Term paper			Yes	20.00	Practical part of the exam - tasks	Yes	35.00
Literature							
Ord.	Author		Title			Publisher	Year
1,	EN 1990; EN 1992;		Evrokod 0, Evrokod 2; Evrokod 7; Evrokod 8			Prevodi prve dve knjige, a na engleskom druge dve	2006
2,	EN 1998		EC8-Part 1, Part 2 Bridges, Part 3 Repair and strengthening of B			CEN Brisel	2004
3,	Radomir Folić		Skripta i kopije radova predmetnog nastavnika				2007
4,	Radomir Folić i Đorđe Lađinović		Aseismic Design of Concrete Structure			Kopije radova sa Evropskih i Svetskih konferencija za ZI	2005
5,	Radomir Folić		Conceptual design, base isolation and control of Bridges in Seismic regions			Budapest, 6th IC Bridges in Danube Basin	2007



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Table 5.2 Course specification

Course:		Selected Chapters in FEM			
Course id:	GD011				
Number of ECTS:	14				
Teacher:		Kovačević 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:					
Acquiring knowledge in the field of numerical modelling of structure behaviour using finite elements method (FEM) with the aim of applying, evaluating, and developing FEM and FEM software for structural analysis.					
2. Educational outcomes (acquired knowledge):					
The ability of numerical modelling of structure behaviour using finite elements method (FEM). with the aim of applying, evaluating, and developing FEM and FEM software for structural analysis.					
3. Course content/structure:					
Modelling and numerical modelling of structures. The importance of finite elements method (FEM) in continuum mechanics. Historical development of FEM. Various types of FEM. Algorithm concept of FEM modelling. Geometric modelling – discretization. Numeric modelling – approximation. Forms and types of finite elements (FE). Interpolation functions. Conformity and continuity. Linear, surface and space FE. FE stiffness matrix. FE networks and systems. Boundary and conditions. Stiffness matrix of FE system. FEM system of equations. Existence and error of FEM solution. FEM modelling in dynamic structural analysis. Computer implementation of FEM.					
4. Teaching methods:					
Interactive work with students aimed at continual supervision of their level of knowledge. Theoretical analysis of the phenomena covered by the course material and FEM numerical modelling of structures for two different actions using CASA (Computer Aided					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Term paper		Yes	50.00	Theoretical part of the exam	Yes 50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Miodrag Sekulović	Metod konačnih elemenata		Građevinska knjiga	1988
2,	Dušan Kovačević	MKE modeliranje u analizi konstrukcija		Građevinska knjiga, Beograd	2006
3,	Bathe K.J.	Finite Element Procedures		Prentice Hall	1996
4,	Hartmann F., Katz C.	Structural Analysis with Finite Elements		Springer, New York	2003
5,	Wilson E.L.	Three-Dimensional Static and Dynamic Analysis of Structures		CSI, Berkeley	2002



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Table 5.2 Course specification

Course:		Selected Chapters in Water Regulation and Protection			
Course id:	GD016				
Number of ECTS:	14				
Teachers:		Kolaković R. Srđan, Trajković R. Slaviša			
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 knowledge on the problematic of water regulation and protection.					
2. Educational outcomes (acquired knowledge):					
Enabling students to individually solve scientific and research tasks and problems in water industry.					
3. Course content/structure:					
Complex study of problematic of water regulation and protection. Balancing water basin. Equation elements for water balance. Raining. Water evaporation. Referent evapotranspiration. Methods in sustainable basin management. Modelling river basin. Application of artificial intelligence methods (fuzzy numbers, genetic algorithms, artificial neural networks) in solving water industry problems. Hydrological information systems based on ontology. Multi-purpose water utilization in basin – hydro-technical meliorations, water supply. Calculation for water demands for irrigation. Application of sustainable development principle in water industry. Ecological aspects in water basin management – protection of ground and underground waters. Waste water – origin, content, dynamics. Unit operations in water treatment. Water flow revitalization. Biological minimum and ecologically acceptable water flow. Influence of global climatic changes on hydrologic cycle. Appearance of extreme events (floods, small water and drought).					
4. Teaching methods:					
Teaching is performed auditory in lectures and tutorials. Individual student work includes the elaboration of a seminar paper.					
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,	Allen, R. G., Pereira, L. S., Raes, D., and Smith, M.	"Crop Evapotranspiration. Guidelines for Computing Crop Water Requirements." FAO Irrig. and Drain. Paper 56		FAO, Roma, Italy	1998
2,	Baruth, E. E. (Technical Editor)	Water Treatment Plant Design, Fourth Edition		McGraw-Hill Inc	1990
3,	Andy D. Ward, Stanley W. Trimble	Environmental Hydrology, 2nd edition		Lewis Publishers	2003
4,	Trajkovic, S.	Metode proračuna potreba za vodom u navodnjavanju		Gradjevinsko-arhitektonski fakultet Niš	2009
5,	Tsoukalas, L.H., and Uhrig, R F	Fuzzy and Neural Approaches in Engineering		John Wiley and Sons, Inc., New York	1997



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Table 5.2 Course specification

Course:		Selected Chapters in Concrete Theory and Technology				
Course id:	GD005					
Number of ECTS:	14					
Teachers:		Radonjanin S. Vlastimir, Malešev M. Mirjana				
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 knowledge on contemporary concrete composites and on improving concrete properties by modifying concrete structure, with the special emphasis on researching and modelling fracture mechanics for concrete and on analysing influential parameters and the possibilities for applying sustainable development principles in the field of designing and performing concrete works.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge can be utilized in solving complex problems in concrete technology and the development of scientific achievements in the field of contemporary concrete composite technology.						
3. Course content/structure:						
Self-compacting concrete. Concretes with recycled aggregate. High-strength concretes. High-performance concretes. Micro-reinforced concretes. Concrete fracture mechanics. Concrete durability and designing concrete structures from the sustainable development aspect and environment and energy resource protection.						
4. Teaching methods:						
Lectures and tutorials. During lectures, there are presentations and video clips, as well as experimental work in the laboratory. Tutorials cover individual areas with the objective to enlarge knowledge and provide additional reading. Obligatory elaboration of a seminar paper with theoretical and experimental analysis.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Term paper		Yes	40.00	Theoretical part of the exam		Yes 60.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	John Newman, Ban Seng Choo	Advanced concrete technology - testing and quality			Elsevier	2003
2,	John Newman, Ban Seng Choo	Advanced concrete technology - constituent materials			Elsevier	2003
3,	Edward G. Nawy	Fundamentals of high strength high performace concrete			Longman Group Limited - England	2003
4,	Group of authors, Editor T.C.Hansen	Recycling of demolished concrete and masonry			RILEM Technical Comittee 37-DRC	1992
5,	Group of authors, Edited by Erik K. Lauritzen	Demolition and reuse of concrete and masonry - Proceedings of the Third International RILEM Symposium			Chapman & Hall	1993



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Table 5.2 Course specification

Course:		Advanced Building Technologies						
Course id:	GD010							
Number of ECTS:	14							
Teacher:		Trivunić 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:								
Acquiring knowledge on construction structures` building technologies (building construction, hydro construction and civil engineering construction), utilization of contemporary materials, tools and mechanization.								
2. Educational outcomes (acquired knowledge):								
Enabling students to analyse technological processes in building, as well as to participate in improving the existing building technologies and forming the new ones. Acquired knowledge can be applied in further research in the area of construction management, as well as in concrete application in practice.								
3. Course content/structure:								
Analysis of building technologies. Separating the building technologies. New materials. New tools and mechanization. New technologies for building construction structures (building construction, hydro construction and civil engineering construction). Building industrialization.								
4. Teaching methods:								
Teaching is realized as lectures in the form of presentations on individual method units, as well as tutorials with the teacher. Students select an area for elaborating a seminar paper which is done with the consultations with the teacher. Examination includes the entire course content lectured during the semester, and it is taken both in written and oral form. Examination grade is formed on the bases of attendance, seminar paper grade, written and oral examination.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Lecture attendance			Yes	5.00	Written part of the exam - tasks and theory		Yes	35.00
Term paper			Yes	60.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Trivunić M.		Montaža betonskih konstrukcija zgrada			FTN		2000
2,	Illingworth, J. R.		Construction Methods and Planning			E. and F.N. Spon, London, UK		1993
3,	Warszawski,A.		Industrialized and Automated Building Systems			E&FN SPON, London and New York		1999
4,	Peurifoy, R.L., Ledbetter, W.B.		Construction Planning, Equipment and Methods			McGraw-Hill, International Student Edition		1985
5,	Hurd, M.K.		Formwork for Concrete			Spec. Publ. No. 4, Fourth Edition, ACI, Detroit		1987



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Table 5.2 Course specification

Course:		Automation and Robotics in Construction				
Course id:	GD018					
Number of ECTS:	14					
Teachers:		Borovac A. Branislav, Stankovski V. Stevan				
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 introduce students to new areas in the application of automation and non-industrial robotics in construction (service robotics, humanoid robotics...). The objective is also to introduce students with the course into the research and scientific work.						
2. Educational outcomes (acquired knowledge):						
Course outcome is the ability of students to understand the issues in automation and robotics, and to enable them to participate in the field actively.						
3. Course content/structure:						
Introductory observations and fundamental notions. System defining and classification. System analysis. Technical system management. Automated systems. Automated protection systems. Signal acquisition. Events monitoring and processing. Event chronology and analysis. Monitoring systems for non-industrial processes. Safety in monitoring systems. Application of service robots (in households, construction, hazardous environment, inspection robots, safe-guard robots...), robot autonomy, management and regulation in biological systems, comparison of "managing architecture" of biological systems and autonomous robots, types of autonomous robots from the aspect of movement (robots on wheels and caterpillars, robots that jump, snake-like robots, robots that fly, multi-legged and two-legged locomotion...), robotic learning, grasping, humanoid robots.						
4. Teaching methods:						
Mentor and the student choose one or more modules, depending on the scope of the module. Consultation. Lectures are conducted in combination. Leaving the theoretical part is followed by examples which serve to clarify material of the theoretical part. In addition to lectures, consultations are held regularly. Through study research, the student studies scientific journals and other literature and independently deepens curriculum from lectures. Through the work with the teacher, the student is trained to write independently their own scientific 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,	Groover P. Mikell	Automation, production System and Computer Integrated Manufacturing			Prentice Hall	2003



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Table 5.2 Course specification

Course:		Selected Chapters in Hydraulics				
Course id: GD006						
Number of ECTS: 14						
Teacher:		Kolaković R. 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:						
Enabling students in fundamental disciplines for acquiring theoretical knowledge and for application in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
The acquired knowledge can be utilized as an upgrading obtained in a number of theoretic and professional courses in previous study cycles by utilizing contemporary methods in calculating hydraulic structures and systems.						
3. Course content/structure:						
Fluid movement dynamics. Links between stress and strain: Navier-Stokes equations. On turbulence. Laminar and turbulent flows. Problem dimensioning: 1D, 2D and 3D. Steady and unsteady flow in open streams and systems under pressure. Physical laws on fluid movement underground. Well hydraulics – basic and advanced analytical models of steady and unsteady flows. Numerical modelling of steady and unsteady flows utilizing the method of finite differences. Numerical modelling of unsteady flows utilizing the finite element method. Short structures – local alterations in flows.						
4. Teaching methods:						
Interactive work with students in order to continually monitor students` knowledge level. Theoretical analysis on phenomena enclosed in the course content and numerical modelling. The program states the elaboration of a seminar paper.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Writing the education specialist thesis with		Yes	50.00	Education specialist thesis defence		Yes 30.00
Oral part of the exam					Yes	20.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	G.Hajdin	Mehanika fluida knjiga I, II i III			Građevinski fakultet Beograd	2002
2,	Bear.J.	Dynamics of fluids in porous media			McGrow-Hill, New York	1988
3,	Savić LJ.	Hidrosoft-monografija za hidraulički proračun HG			Građevinski fakultet Beograd	2006
4,	Jovanović M.	Osnove numeričkog modeliranja ravanskih otvorenih tokova			Građevinski fakultet Beograd	1998



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Table 5.2 Course specification

Course:		Energy Efficiency of Construction Structures				
Course id: GD023						
Number of ECTS: 14						
Teachers:		Šumarac M. Dragoslav, Radeka M. Miroslava				
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:						
Enabling candidates to perform the estimation of energy efficiency in construction structures.						
2. Educational outcomes (acquired knowledge):						
Introducing candidates to urban and architectural aspects of energy efficiency in construction structures. Enabling students to utilize standards in the area of construction physics. Introducing candidates to procedures for certifying individuals, legal entities and construction structures.						
3. Course content/structure:						
Introduction. Heating, cooling and air-conditioning. Building design from the aspect of energy efficiency. Methodology for calculating energy consumption for heating and cooling: degree days method, typical meteorological year method. Contemporary computer software. Construction structure air-conditioning. Certification of physical and legal entities. Certification of construction structures. Passport for energy efficiency.						
4. Teaching methods:						
Power-Point presentations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Project task			Yes	20.00	Oral part of the exam	Yes 80.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	Dragoslav Šumarac	Energetska efikasnot zgrada			Građevinski fakultet Beograd	2005
2,	Micunovic, M., Kudrjavceva, Lj., Sumarac, D.	Thermo-inelasticity of Damaged Elastomers by Self Consistent Method			Inter. Journal of Damage Mechanics, Vol.17, No.6, pp.539-565	2008
3,	Šumarac, D.	Energetska efikasnost zgrada u Srbiji			Konferencija Graditeljstvo i održivi razvoj, DIMK, Građevinski fakultet Beograd, Ed. S. Marinković i V. Radonjanin, Beograd, jun 04-05	2009
4,	Šumarac, D.	Energetska efikasnost zgrada u Srbiji-stanje i perspektive			Termotehnika, 36, 1, 11-29	2010


	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Table 5.2 Course specification

Course:		Fracture Mechanics					
Course id: GD024							
Number of ECTS: 14							
Teacher:		Šumarac M. Dragoslav					
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 candidates to basic principles in the appearance and propagation of cracks in construction. Enabling candidates to design structures resistant to crack propagation.							
2. Educational outcomes (acquired knowledge):							
Introduction to basic principles in the appearance and propagation of cracks in construction. Introduction to criteria utilized in regulations for dimensioning structures sensitive to the appearance and propagation of cracks. Enabling students to apply theoretical knowledge in solving practical problems to determine the estimation of the structure's life span.							
3. Course content/structure:							
Introduction. Why is Fracture Mechanics necessary? Basic criteria for structure dimensioning. Greatest structure demolitions in the period 1800-1940 and after 1940. Development of Fracture Mechanics. Westergard's solution for a crack in the plain. Defining brittle and ductile materials. Motto's effect. Elastic solution for crack tip. Crack modes: Mode I, mode II and mode III. Griffith's criterion. Material damage, medium module of elasticity. Crack extension resistance curve or R-curve, ASTM Compact tension specimen E-399-72 (American normative). Stability of crack propagation (examples). Cracks in elasto-plastic materials. Dagdael's model, J-integral, meaning, calculation. Application of J-integral. Tensor of the energy amount Pi. Determining the crack opening. Dynamic crack propagation. Material failure. Examples of structure dimensioning by applying fracture mechanics.							
4. Teaching methods:							
Power-Point presentations.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Homework			Yes	20.00	Oral part of the exam	Yes	80.00
Literature							
Ord.	Author		Title			Publisher	Year
1,	Dragoslav Šumarac, Dušan Krajčinović		Osnovi mehanike loma			Naučna knjiga, Beograd	1990
2,	Sumarac, D. and Krajcinovic, D.		A Self-consistent Model for Microcrack-weakened Solids			Mechanics of Materials, 6, pp. 39-52	1987
3,	Sumarac,D.and Krajcinovic, D.		A Mesomechanical Model for Brittle Deformation Processes", Part II			Journal of Applied Mechanics, 56, pp. 57-62	1989
4,	Sumarac, D. and Krajcinovic, D.		A Simple Solution of the Crack Reinforced by Bonds			Engineering Fracture Mechanics. Vol. 33. 6. pp. 949	1989



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Table 5.2 Course specification

Course:		Doctoral Dissertation (Theoretical Bases)				
Course id:	SID01					
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



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Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research			
Course id:	SID02				
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



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	Civil Engineering	

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


	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 Doctoral 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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Civil Engineering

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 civil engineering profession, and comparable to similar programmes in foreign higher education institutions. The study programme in Civil Engineering is formed in such a manner as to satisfy all the set requirements.

The structure of the study programme in Civil Engineering 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.

The study programme is formally and structurally consistent with the adopted subjects and specific standards for accreditation and conforms to European standards in terms of enrolment, length of study, conditions of transition to a following year, graduation and method of study.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

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 in Civil Engineering either to the budget financing of studies or self-financing which is defined each year by a special decision of Educational-Scientific Council of the Faculty.

The first year of doctoral studies may be enrolled by a person who has:

- the completed undergraduate academic and graduate academic studies in the field of civil engineering with at least 300 ECTS credits and grade point average not less than 8.00 on the undergraduate academic and graduate academic studies - Master or equivalent grade from other rating systems, or if one belongs to 20% of the best students in the generation; or
- the academic title of Master of Science in the scientific field of civil engineering and if the student has not obtained the PhD degree by earlier legislation within the period established by the law.

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.

In addition, the candidate is required to know world languages and to have IT skills which guarantee the smooth attendance of classes and the use of literature.

The passed examinations can be acknowledged or partially acknowledged to students of master studies or those with the master of science degrees whose knowledge was acquired by previously existing legislation with amendment which is done by the Commission for enrolment, provided that the candidate has not spent more than four (4) years on Master of science studies.

Based on the grade point average and the duration of studies, published scientific and expert papers, the Committee for the study programme quality forms a list of applied candidates.

Committee for the study programme quality can issue a decision on organizing additional knowledge evaluation by setting a classification examinations.

Priority in budget studies is given to candidates who work in the position of associates at the Faculty and those having scholarships provided by the Ministries and Secretariat for Science of AP Vojvodina.

Committee for quality evaluates all passed activities by candidates for enrolment, and determines on the basis of obtained number of points whether the candidate can enrol doctoral studies. Passed activities can be acknowledged entirely, partially or not at all.

During enrolment, the student and the Faculty conclude an agreement on the rights and obligations during studies.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

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.

For students to be able to take a course examination, they have to obtain at least 15 ECTS prerequisite credits during the semester. 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 staff at the study programme, who will be their councillor 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.

Admission requirements into the second year of the programme (the third semester) are met by a student who obtains at least 30 ECTS credits during the first year of studying, with a relative average grade (R) being at least 8.00 (eight 00/100). The relative average grade (R) is calculated based on course grades, relative to the number of credits each course carries (the formula is kept in the Faculty of Technical Sciences' Rules of Study).

The students who do not fulfil the requirements necessary to be admitted into the second year of studies, but have obtained at least 15 ECTS credits, are given a chance to enrol into the Specialist Academic Studies, after the faculty has recognized all their previously passed exams. 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 fulfil 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 qualifying examination is taken before a three-member jury, three being the minimum number of members, who are appointed by the Head of the Doctoral Studies at the Study Programme Quality Committee's suggestion.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

Standard 09. Teaching Staff



For the realization of the study programme in Civil 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.

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	Civil Engineering	

Science, arts and professional qualifications



Name and last name:			Tollazzi B. Tomaž		
Academic title:			Guest Professor		
Name of the institution where the teacher works full time and starting date:			-		
Scientific or art field:			Traffic Paths		
Academic carieer		Year	Institution		Field
Academic title election:		2012			Traffic Paths
PhD thesis		1995	University of Maribor - Maribor		Traffic Paths
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name		Study programme name, study type	
1.	DSSK6S	Suistainable safe road design		(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)					
1.	LERHER, Tone, POTRČ, Iztok, ŠRAML, Matjaž, TOLLAZZI, Tomaž. Travel time models for automated warehouses with aisle transferring storage and retrieval machine. Eur. J. oper. res.. [Print ed.], Sep. 2010, vol. 205, iss. 3, str. 571-583, doi: 10.1016/j.ejor.2010.01.025. [COBISS.SI-ID 13815830], [JCR, WoS up to 7. 5. 2010: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 13. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 3]				
2.	LERHER, Tone, ŠRAML, Matjaž, POTRČ, Iztok, TOLLAZZI, Tomaž. Travel time models for double-deep automated storage and retrieval systems. Int. J. Prod. Res., June 2010, vol. 48, no. 11, str. 3151-3172, doi: 10.1080/00207540902796008. [COBISS.SI-ID 13163286], [JCR, WoS up to 7. 5. 2010: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 18. 6. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]				
3.	TOLLAZZI, Tomaž, ŠRAML, Matjaž, LERHER, Tone. Roundabout arm capacity determined by microsimulation and discrete functions technique. Promet (Zagreb), 2008, vol. 20, no. 5, str. 291-300. [COBISS.SI-ID 12787222], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 21. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1]				
4.	TOLLAZZI, Tomaž, LERHER, Tone, ŠRAML, Matjaž. The use of micro-simulation in determining the capacity of a roundabout with a multi-channel pedestrian flow. Stroj. vestn., 2008, letn. 54, št. 5, str. 334-346. http://en.svjme.eu/scripts/download.php?file=/data/upload/SV_JME_54(2008)05_334_346_Sraml.pdf . [COBISS.SI-ID 12305174], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 13. 6. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1]				
5.	TOLLAZZI, Tomaž, LERHER, Tone, ŠRAML, Matjaž. Analiza vpliva prometnega toka pešcev na prepustno zmožnost krožišča z uporabo diskretnih simulacij = An analysis of the influence of pedestrians' traffic flow on the capacity of a roundabout using the discrete simulation method. Stroj. vestn., 2006, letn. 52, št. 6, str. 359-379. http://www.svjme.eu/scripts/download.php?file=/data/upload/2006/6/SV-JME_52(2006)06_359-379_Tollazzi.pdf . [COBISS.SI-ID 10601494], [JCR, WoS up to 7. 8. 2009: no. of citations (TC): 3, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 1. 8. 2012: no. of citations (TC): 6, without self-citations (CI): 3, weighted no. of citations (NC): 4]				
6.	ŠRAML, Matjaž, TOLLAZZI, Tomaž, RENČELJ, Marko. Traffic safety analysis of powered two-wheelers (PTWs) in Slovenia. Accident anal. prev.. [Print ed.], Available online 30 January 2012, doi: 10.1016/j.aap.2011.12.013. [COBISS.SI-ID 15767574], [JCR, Scopus up to 30. 10. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]				
7.	TOLLAZZI, Tomaž, RENČELJ, Marko, RODOŠEK, Vlasta, ZALAR, Borut. Traffic safety of older drivers in various types of road intersections. Promet (Zagreb), 2010, vol. 22, no. 3, str. 193-201. [COBISS.SI-ID 14240022], [JCR, WoS up to 10. 4. 2012: no. of citations (TC): 1, without self-citations (CI): 1, weighted no. of citations (NC): 1, Scopus up to 30. 5. 2012: no. of citations (TC): 4, without self-citations (CI): 4, weighted no. of citations (NC): 4]				
8.	TOLLAZZI, Tomaž, RENČELJ, Marko, TURNŠEK, Sašo. New type of roundabout : roundabout with "depressed" lanes for right turning - "flower roundabout". Promet (Zagreb), 2011, vol. 23, no. 5, str. 353-358. [COBISS.SI-ID 15507990], [JCR, WoS up to 8. 5. 2012: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0, Scopus up to 28. 12. 2011: no. of citations (TC): 0, without self-citations (CI): 0, weighted no. of citations (NC): 0]				
9.	TOLLAZZI, Tomaž, RENČELJ, Marko. Typical deficiencies in traffic safety and irregularities of Slovenian roads. V: 5th International Congress SIIV ROMA MMXII, Rome, Italy, 29-31 October 2012. Sustainability of road infrastructures. Roma: Sapienza Università di Roma: Società Italiana Infrastrutture Viarie: Dipartimento di Ingegneria Civile, Edile e Ambientale, 2012, [9] str. [COBISS.SI-ID 16408086]				
10.	TOLLAZZI, Tomaž, RENČELJ, Marko, TURNŠEK, Sašo. Roundabout with "depressed" lanes for right turning - "flower roundabout". V: 3rd International Conference on Roundabouts, Carmel, Indiana, May 18-20, 2011. 2011 TRB Roundabout Conference. [S. l.]: TechAmerica, 2011, 11 str. http://teachamerica.com/RAB11/RAB11Papers/RAB1116Tollazzi-0130.pdf . [COBISS.SI-ID 15161110]				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			17		
Total of SCI(SSCI) list papers :			8		



	UNIVERSITY OF NOVI SAD					
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation - PhD Studies					
DOCTORAL ACADEMIC STUDIES					Civil Engineering	
Current projects :	Domestic :	5	International :	0		



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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



		UNIVERSITY OF NOVI SAD		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		Study Programme Accreditation - PhD Studies		
		DOCTORAL ACADEMIC STUDIES	Civil Engineering	
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.	OM517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies	
15.	OML517	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 (G10) 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 references (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.<leng>			
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.			


	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering			
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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	
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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 career	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 (G10) 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 (G10) 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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
	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		
Representative references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

Science, arts and professional qualifications



Name and last name:		Borovac A. Branislav	
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:		Mechatronics, Robotics and Automation and Integral Systems	
Academic career	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EM436	Mechatronics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1404	Mechatronics	(H00) Mechatronics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	H308	Industrial Robotics	(H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	(F10) Engineering Animation, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	BM116A	Basics of medical robotics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	EM436A	Mechatronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	II1035	Industrial robotics	(I10) Industrial Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	H1503	Non Industrial Robotics and Automation in Buildings	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
10.	HDOK1 S	Selected topics in industrial robotics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	HDOK2 S	Selected topics in non-industrial robotics	(I12) Industrial Engineering, Specialised Academic Studies
12.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	AD0007	Interactive systems in architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
15.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
16.	H829	Advanced robotics	(I10) Industrial Engineering, Master Academic Studies (M40) Technical Mechanics and Technical Design, Master Academic Studies
17.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
18.	GD018	Automation and Robotics in Construction	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
19.	HDOK-1	Selected Chapters in Industrial Robotics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	HDOK-2	Selected Chapters in Non-Industrial Robotics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	HDOKL1	Selected topics in non-industrial robotics	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies		
22.	HDOKL2	Selected topics in non-industrial robotics	(H00) Mechatronics, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies		
23.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	M. Vukobratović, V. Potkonjak, K. Babković, B. Borovac, Simulation model of general human and humanoid motion, Multibody System Dynamics, Volume 17, Number 1, (February, 2007), pp. 71-96 (ISSN 1384-5640 (Print) 1573-272X (Online))				
2.	Vukobratović M., Borovac B., Potkonjak V., Towards a Unified Understanding of Basic Notions and Terms in Humanoid Robotics, Robotica (2007) Vol. 25, pp. 87-101				
3.	Vukobratović M., Borovac B., Potkonjak V., ZMP: A Review of Some Basic Misunderstandings, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 153-176				
4.	V. Potkonjak, M. Vukobratović, K. Babković, B. Borovac, General Model of Dynamics of Human and Humanoid Motion: Feasibility, Potentials and Verification, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 21-48				
5.	Vukobratović M., Borovac B., Babković K., "Contribution to the Study of Anthropomorphism of Humanoid Robots", Int. Jour. of Humanoid Robotics, Vol. 2, No. 3 (2005), pp. 361-387				
6.	Vukobratović M., Borovac B., Note on the Article "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 2, No.2, June 2005, pp. 225-227				
7.	Vukobratović M., Borovac B., "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 1, No.1, March 2004, pp. 157-173				
8.	M. Vukobratović, D. Andrić, B. Borovac, "How to Achieve Various Gait Patterns from Single Nominal ", International Journal of Advanced Robotic Systems, Vol. 1., No. 2, Page 99-108, 2004				
9.	L. Juhas, A. Vujanić, N. Adamović, L. Nagy, B. Borovac "A Platform for Micro-Positioning Based on Piezo-Legs", The Journal of Mechatronics, Vol. 11, (2001), pp.869-897				
10.	M. Vukobratović, D. Andrić, B. Borovac, "Humanoid Robot Motion in Unstructured Environment - Generation of Various Gait Patterns from a Single Nominal ", Cutting Edge Robotics, Edited by V. Kordic, A. Lazanica, M. Merdan, Published by pIV pro literatur Verlag Robert Mayer-Scholz, © 2005 Advanced Robotic Systems International, Page 577-598, 2005				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			1998		
Total of SCI(SSCI) list papers :			35		
Current projects :			Domestic :	2	International : 1

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

Science, arts and professional qualifications



Name and last name:			Brujić S. Zoran
Academic title:			Assistant Professor
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad
			01.07.1996
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	2008	Faculty of Technical Sciences - Novi Sad	Civil Engineering
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Constructions in Civil Engineering
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	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.	GG11	Fundamentals in Computing	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG203	Actions on Structures	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG25	Theory on Concrete Structures 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GG28	Theory on Concrete Structures 2	(G00) Civil Engineering, Undergraduate Academic Studies
5.	GG30	Concrete Structures	(G00) Civil Engineering, Undergraduate Academic Studies
6.	GG405	Finishing Operations and Installation in Facilities	(G00) Civil Engineering, Undergraduate Academic Studies
7.	Z202	Graditeljstvo i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	GG37	Basics of design in civil engineering structures	(G00) Civil Engineering, Undergraduate Academic Studies
9.	GH407	Concrete structures - Hydrotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
10.	GP406	Concrete structures - Roads	(G00) Civil Engineering, Undergraduate Academic Studies
11.	GG501	Concrete Construction for Engineering Structures	(G00) Civil Engineering, Master Academic Studies
12.	GG505	Concrete Bridges	(G00) Civil Engineering, Master Academic Studies
13.	GG510	Assembled Concrete Structures	(G00) Civil Engineering, Master Academic Studies
14.	GG511	Special Prestressed and Composite Concrete Structures	(G00) Civil Engineering, Master Academic Studies
15.	GG531	Odabrana poglavlja zidanih konstrukcija	(G00) Civil Engineering, Master Academic Studies
16.	GD015	Rheology of Concrete Structures	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Starčev-Čurčin A., Rašeta A., Brujić Z.: Automatic Obtaining of the Strutt-and-Tie Models for RC Plane Elements Vol. 8., No. 4., 11/12.2013, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 4, ISSN 1840-1503		
2.	Brujić Z., Folić R.: Slenderness ratio criterion of reinforced concrete columns, Bulletins for Applied and Computer Mathematics, 2001		
3.	Folić R., Brujić Z.: Dynamic analysis of columns made of time-dependent materials, Bulletins for Applied Mathematics, 1996, ISSN 0133-3526		
4.	Folić R., Brujić Z.: Stability of compressed columns according to linear creep theory, Bulletins for Applied Mathematics, 1996, ISSN 0133-3526		
5.	Starčev-Čurčin A., Rašeta A., Brujić Z.: STRUT-AND-TIE MODELS OF REINFORCED CONCRETE PLANE MEMBERS, 4. Građevinarstvo nauka i praksa, Žabljak: Univerzyitet Crne Gore, Građevinski fakultet, 20-24 Februar, 2012, pp. 329-336, ISBN 978-86-82707-21-9		
6.	Brujić Z.: Optimal design of rectangular RC cross-sections subjected to uni-axial bending according to Eurocode 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 19-21 Oktobar, 2011, pp. 243-250, ISBN 978-86-87615-02-1		
7.	Starčev-Čurčin A., Rašeta A., Brujić Z.: Optimization of RC Plane Elements by Strut-and-Tie Models, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 19-21 Oktobar, 2011, pp. 195-202, ISBN 978-86-87615-02-1		
8.	Folić R., Brujić Z., Lekić R.: Condition assesment and design of structures for water aerator Naziv skupa: 11th Internationa Conference Structural Faults Repair-2006, UDK: Abstracts p. 139-140 CDRom – OBUL-FOL-B		
9.	Folić R., Brujić Z.: Numerical analysis of Reinforced Concrete Slender Columns Design Procedures Naziv skupa: The Ninth Symposium of Mathematics and its Applications		
10.	Folić R., Lađinović Đ., Brujić Z.: Analysis and Design of RC Structures According to EC 8 Naziv skupa: International Symposium on Earthquake Engineering ISEE 2000 Proceedings, UDK: 624.042.7 (082) (063)		
Summary data for teacher's scientific or art and professional activity:			



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering			
Quotation total :		0		
Total of SCI(SSCI) list papers :		0		
Current projects :		Domestic :	1	International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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 (G10) 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 (G10) 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 references (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		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
Representative references (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 S., 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

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		



Science, arts and professional qualifications

Name and last name:		Cekić D. Zoran	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Organization, Construction Technology and Management	
Academic career	Year	Institution	Field
Academic title election:	2011	University Union Nikola Tesla - Beograd	Organization, Construction Technology and Management
PhD thesis	2004	Faculty of Civil Engineering - Beograd	Organization, Construction Technology and Management
Magister thesis	2001	Faculty of Civil Engineering - Beograd	Organization, Construction Technology and Management
Bachelor's thesis	1991	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.	GM510	Management of International Projects	(G00) Civil Engineering, Master Academic Studies
2.	GD025	Selected topics in project management in construction	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Cirovic, G. and Cekic, Z. (2002) "Case Based Reasoning Model applied as a decision support for construction projects", "Kybernetes", No. 6, Vol 31, pp. 896-908, 'Official Journal of the World Organisation of Systems and Cybernetics, MCB Univ. Press, Bradford, ISSN 0368-492X, UK, 2002		
2.	Cekic, Z. (2002) "Methodology of IT-enabled Process Change in the Construction Industry", "Tehnika - Naše građevinarstvo" Vol 56, No 1, Januar 2002, strand. 7-16		
3.	Cekic, Z. (2002) "Integration of Computer Application in Construction", "Izgradnja", Vol 56, No 1-2, Januar-Februar 2002, strane. 42-50		
4.	Cekic, Z. (2004) "IT protocol of construction project process", "Izgradnja", Vol 58, No 1-2, Januar-February 2004, strane 5-11		
5.	Cekic, Z. (2004) "Strategic Information System of Construction Company", "Tehnika - Naše građevinarstvo", Vol 58, No 6, 2004, strane. 1 - 8		
6.	Cekic, Z. (2004) "Neural Network Model Applied in International Project Portfolio and Corporate Strategy Developing", "Izgradnja", Vol 58, No 10, Oktobar 2004, strane 257 - 267		
7.	Cekic, Z. (2004) "Application of Delphi Method in Selection of International Projects", "Management" Monthly Review of Faculty of Organizational Sciences, University of Belgrade, Year IX, No 36, December 2004, pp. 47 - 56,		
8.	Cekic, Z. (2005) "Influence of the National Environment on the International Competitiveness of Serbian Construction Companies according to the porter Diamond Framework", "Tehnika - Naše građevinarstvo", Vol 59, No 4, 2005, strane 1 - 12		
9.	Cekic, Z. (2005) "Application of Delphi Method in Selection of International Competitive Advantages of Construction Companies", "Izgradnja", Vol 59, No 10-11, November 2005, strane 389 - 396		
10.	Cirovic, G and Cekic, Z. (2006) "Case-Based Reasoning Applied in Preliminary Design Phase of Construction Projects", "Izgradnja", Vol 60, No 3-4, April 2006, strand. 55 - 62,		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
Current projects :		Domestic :	International :
		2	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ćirović S. Goran	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Organization, Construction Technology and Management	
Academic carier	Year	Institution	Field
Academic title election:	2009		Organization, Construction Technology and Management
PhD thesis	1994	Faculty of Civil Engineering - Beograd	Organization, Construction Technology and Management
Magister thesis	1987	Faculty of Civil Engineering - Beograd	Organization, Construction Technology and Management
Bachelor's thesis	1982	Faculty of Civil Engineering - Beograd	Organization, Construction Technology and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG519	Building Management	(G00) Civil Engineering, Master Academic Studies
2.	GI531	Application of GNSS systems	(G10) Geodesy and Geomatics, Master Academic Studies
3.	GI540	Valuation of real estate	(G10) Geodesy and Geomatics, Master Academic Studies
4.	SDGI3A	Selected topics in the valuation of buildings	(G10) Geodesy and Geomatics, Specialised Academic Studies
5.	SDGI4A	Selected chapters of Land Management	(G10) Geodesy and Geomatics, Specialised Academic Studies
6.	SDGI6A	Selected Chapters in Appraisal	(G10) Geodesy and Geomatics, Specialised Academic Studies
7.	GD021	Selected Chapters in Process Modelling in Construction	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Ćirović, G., editor in chief, International congress Sport Facilities / Standardizations and Trends SPOFA 2011, University of Belgrade, Faculty of Sport and Physical and Education Serbia, ISBN: 9788680855774 Belgrade 2011, pp. 195.		
2.	Ćirović, G., editor in chief, International congress Sport Facilities / Curent Position and Perspectives SPOFA 2009, University of Belgrade, Faculty of Sport and Physical and Education Serbia, ISBN: 9788680255576 Belgrade, 2009, pp. 215.		
3.	Ćirović,G.,Pamučar, D.:Decision support model for prioritizing railway level crossings for safety improvements: Application of the adaptive neuro-fuzzy system, Expert Systems with Applications, ISSN: 0957-4174 , http://dx.doi.org/10.1016/j.eswa.2012.10.041 , In press		
4.	Ćirović, G.,Radonjanin, N.,Trivunic, M., Nikolić, D., Optimization of uhpfr beams subjected to bending using genetic algorithms, Journal of Civil Engineering and Management, to be appear 2013		
5.	Ćirović G, Pamučar D., Đorović B., Sekulovic D., "Optimizing a multi-product and multi-supplier the economic production quantity model using genetic algorithm ", International Journal of the Physical Sciences, ISSN 1992 - 1950, vol 7(2), pp. 262-272, 2012 godina.		
6.	Peško,I., Trivunić,M., Ćirović,G., Mučenski, V., A preliminary estimate of time and cost in urban road construction using neural networks, Tehnički vjesnik, to be appear 2013.		
7.	Regodić, M., Sekulović, D., Ćirović, G., Tadić, V., Drobnjak, S., Comparative analysis of pixel-based and object-oriented classification by using multi-spectral spot 5 images, Technics Technologies Education Management - TTEM, Vol. 8., No. 1., 2013.		
8.	Ćirović, G., Sekulović, D., Pamučar, D., Regodić, M., Application of fuzzy logic in the process of vehicle routing optimization in logistic support, Technics Technologies Education Management - TTEM, Vol. 8., No. 2., 2013.		
9.	Pamučar D., Đorović B., Božanić D., Ćirović G., "Modification of the dynamic scale of marks in analytic hierarchy process (ahp) and analytic network approach (anp) through application of fuzzy approach", Scientific Research and Essays, ISSN 1992 - 2248, vol 7(1), pp. 24 - 37, 2012 godina.		
10.	Bakrac, S., Anđelić, S., Ćirović G., Pamucar, D., Sekulovic D., "Using a method of decoding aerial photographs in analyzing the accuracy of determining the orientation of medieval churches in Serbia ", Metalurgia international, ISSN 582-2214, vol. 17 br. 11, str. 224-231, 2012.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		18	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	1
		International :	1

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 career	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.	OM503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OM509	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OM511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
10.	OML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
11.	OML509	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
12.	OML511	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

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
Study Programme Accreditation - PhD Studies			
DOCTORAL ACADEMIC STUDIES		Civil 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 (G10) 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 references (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 Strahlenchemije, 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 Journal 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, Czechoslovak 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Đogo B. Mitar	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 05.12.1986	
Scientific or art field:		Geotechnics	
Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Geotechnics
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Geotechnics
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Geotechnics
Bachelor's thesis	1986	Faculty of Technical Sciences - Novi Sad	Civil Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A309	Soil Mechanics and Foundations	(A00) Architecture, Undergraduate Academic Studies
2.	GG24	Soil Mechanics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG32	Foundation	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GI505	Advanced Techniques in Geodetic Design and Monitoring	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GP404	Geotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
6.	URZP18	Stability of terrain	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	GG37	Basics of design in civil engineering structures	(G00) Civil Engineering, Undergraduate Academic Studies
8.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
9.	GP504	Tunnels	(G00) Civil Engineering, Master Academic Studies
10.	MPK017	Fundamentals of Geosciences	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
11.	GD002	Selected Chapters in Foundation	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Uplift test results of piles. 9 th Danube European Conference on Soil Mechanics and Found. Eng., pp.158-163, Budapest. Milovic, D., Djogo, M., (1990)		
2.	Settlement of circular foundation of any rigidity. 10 th European Conference on Soil Mechanics and Found. Eng., pp. 497-500, Firenze. Milovic, D., Djogo, M., (1991)		
3.	Stresses and settlements of circular foundation of any rigidity. 13 th Canadian congress of applied mechanics, pp. 257-258, Manitoba. Milovic, D., Djogo, M., (1991)		
4.	Rectangular raft of any rigidity on the layer of limited thickness. XIVth International Conference on Soil Mechanics & Foundation Engineering, pp. 857-858, Milovic, D. Djogo, M. Hamburg., (1997)		
5.	A pile loaded by horizontal force and moment – theoretical and field load test results. Proceedings of the 16 th International Conference on Soil Mechanics and Geotechnical Engineering, Vol. 4, pp. 2023-2026, Osaka. Milovic, D., Djogo, M., (2005)		
6.	Greške u fundiranju. Monografija. Fakultet tehničkih nauka, str. 1-438, Novi Sad. Milović, D., Đogo, M., (2005)		
7.	Đogo, M., Vasić, M., (2011): Landslide in the area of the bridge on the Danube in Novi Sad. Proceedings of the ICE - Geotechnical Engineering, Volume 164, Issue 1, pp. 3-10, Thomas Telford, London. ISSN: 1353-2618, E-ISSN: 1751-8563, DOI: 10.1680/geng.2011.164.1.3		
8.	Đogo, M., Vasić, M., Čosić, M., (2011): Engineering geological evaluation of the conditions for constructing a bridge and a tunnel in the zone of the old Petrovaradin Fortress. Bulletin of Engineering Geology & the Environment, Volume 70, Number 1, pp. 139-142, Springer, Berlin. ISSN: 1435-9529, E-ISSN: 1435-9537, DOI: 10.1007/s10064-010-0292-0		
9.	Milović, D., Đogo, M., (2009): Analysis of piled raft foundation. Materials and structures 3-4. pp. 3-20, Beograd.		
10.	Milović, D., Đogo, M., (2009): Problemi interakcije tlo - temelj - konstrukcija. Monografija. SANU - Ogranak u Novom Sadu, str. 1-428, Novi Sad.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		7	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	International :
		2	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	
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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 career	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 (G10) 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	(G10) 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 (G10) 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 references (minimum 5, not more than 10)			



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>			
Representative references (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., Tatomić, M. (1999): Sprengnute 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



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 carier	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	(G10) 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.	OM506	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OM507	Logic in Computer Science	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OM513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
10.	OML506	Semantics of programming languages	(OM1) Mathematics in Engineering, Master Academic Studies
11.	OML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
12.	OML513	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	(G10) Geodesy and Geomatics, Specialised Academic Studies



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	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
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 engleskom), 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 (G10) 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 references (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	



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering				
Total of SCI(SSCI) list papers :	17				
Current projects :	Domestic :	2	International :	4	



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 career	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.	OM505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
13.	OML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies		
DOCTORAL ACADEMIC STUDIES		Civil Engineering	
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 engleskom), 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 references (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		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
Representative references (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 :	International :
		2	0

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		



Science, arts and professional qualifications



Name and last name:		Isaković T. Tatjana	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Constructions in Civil Engineering	
Academic carieer	Year	Institution	Field
Academic title election:	2010		Constructions in Civil Engineering
PhD thesis	1996	University of Ljubljana - Ljubljana	Constructions in Civil Engineering
Magister thesis	1993	University of Ljubljana - Ljubljana	Constructions in Civil Engineering
Bachelor's thesis	1987	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.	GD013	Earthquake Engineering	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	ISAKOVIĆ, Tatjana, SAIDI, Mehdi, ITANI, Ahmad. Influence of new bridge configurations on seismic performance, (CCEER report, 97/5). Reno: Center for Civil Engineering Earthquake Research, 1997. VI, 44 str.		
2.	RANDALL, Mathew, SAIDI, Mehdi, MARAGAKIS, Emmanuel, ISAKOVIĆ, Tatjana. Restrainer design procedures for multi-span simply-supported bridges, (CCEER report, 99/5). Reno: Center for Civil Engineering Earthquake Research, 1999. XI, 141 str.		
3.	RANDALL, Matthew J., SAIDI, Mehdi Saiid, MARAGAKIS, Emmanuel Manos, ISAKOVIĆ, Tatjana. Restrainer design procedures for multi-span simply-supported bridges, (Technical Report MCEER, 99-0011). Buffalo: Multidisciplinary Center for Earthquake Engineering Research, 1999. XX, 154 str.		
4.	KRAMAR, Miha, ISAKOVIĆ, Tatjana, FISCHINGER, Matej. Seismic Collapse Risk of Precast Industrial Buildings with Strong Connections. Earthquake eng. struct. dyn., [in press] 2009, vol. 38, no. XX, pp. 1-21 (http://mc.manuscriptcentral.com/eqe).		
5.	ISAKOVIĆ, Tatjana, BEVC, Lojze, FISCHINGER, Matej. Modeling the Cyclic Flexural and Shear response of the R. C. Hollow Box Columns of an Existing Viaduct. Journal of earthquake engineering - JEE, 2008, no. 7, vol. 12, pp. 1120-1138.		
6.	ISAKOVIĆ, Tatjana, POPEYO LAZARO, Mauro Nino, FISCHINGER, Matej. Applicability of pushover methods for the seismic analysis of single-column bent viaducts. Earthquake eng. struct. dyn., 2008, Vol. 37, no. 8, pp. 1185-1202.		
7.	FISCHINGER, Matej, KRAMAR, Miha, ISAKOVIĆ, Tatjana. Cyclic response of slender RC columns typical of precast industrial buildings. Bulletin of earthquake engineering, avgust 2008, Vol. 6, no. 3, pp. 519-534.		
8.	FISCHINGER, Matej, KRAMAR, Miha, ISAKOVIĆ, Tatjana. Cyclic response of slender RC columns typical of precast industrial buildings. Bulletin of earthquake engineering, avgust 2008, Vol. 6, no. 3, pp. 519-534.		
9.	ISAKOVIĆ, Tatjana, POPEYO LAZARO, Mauro Nino, FISCHINGER, Matej. Applicability of pushover methods for the seismic analysis of single-column bent viaducts. Earthquake eng. struct. dyn., 2008, Vol. 37, no. 8, pp. 1185-1202.		
10.	ISAKOVIĆ, Tatjana, BEVC, Lojze, FISCHINGER, Matej. Modeling the Cyclic Flexural and Shear response of the R. C. Hollow Box Columns of an Existing Viaduct. Journal of earthquake engineering - JEE, 2008, no. 7, vol. 12, pp. 1120-1138.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		10	
Current projects :		Domestic :	0
		International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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


		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		Study Programme Accreditation - PhD Studies		
		DOCTORAL ACADEMIC STUDIES	Civil Engineering	
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
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 (G10) 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 references (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	



	UNIVERSITY OF NOVI SAD					
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation - PhD Studies					
DOCTORAL ACADEMIC STUDIES			Civil Engineering			
Current projects :	Domestic :	5	International :	1		

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Kolaković R. Srđan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.09.2002	
Scientific or art field:		Hydrotechnics	
Academic carieer	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Hydrotechnics
Magister thesis	1998	Faculty of Civil Engineering - Beograd	Hydrotechnics
PhD thesis	1993	Faculty of Civil Engineering Subotica - Subotica	Hydrotechnics
Bachelor's thesis	1982	Faculty of Civil Engineering Subotica - Subotica	Hydrotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG18	Fundamentals in Hydromechanics and Hydrotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG301	Hydrotechnical Facilities and Systems	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GH406	Hydrotechnical Ameliorations	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GI308A	Fundamentals in Civil Engineering	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	URZP59	Flood Defense Measures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	Z210	Fundamentals of Water Protection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z417	Methods and Systems for Water Treatment	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z417	Postupci i postrojenja za tretman voda(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
10.	GH505	Framework Directives E3 (WDF)	(G00) Civil Engineering, Master Academic Studies
11.	MPK028	Hydrotechnical objects and systems	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
12.	DGI002	Selected Chapters in Engineering Geodesy	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
13.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
14.	GD006	Selected Chapters in Hydraulics	(G00) Civil Engineering, Doctoral Academic Studies
15.	GD016	Selected Chapters in Water Regulation and Protection	(G00) Civil Engineering, Doctoral Academic Studies
16.	GD026	Selected Chapters in Hydro-informatics	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Trajkovic, S., Kolakovic, S.: Evolution of Reference Evapotranspiration Equations under Humid Conditions, Wather Resources Mangement, 2009, vol. 23 br. 14, str. 3057-3067 UDK: doi: 10.1007/s11269-009-9423-4		
2.	Trajkovic, S., Kolakovic, S.: Comparison of Simplified Pan-Based Equations for Estimating Reference Evapotranspiration, Journal of Irrigation and Drainage Engineering, American Society of Civil Engineers (ASCE), 136(2), 137-140, 2010., ISSN 0733-9437		
3.	Trajkovic S., Kolakovic S., Estimating Reference Evapotranspiration Using Limited Weather Data, Journal of Irrigation and Drainage Engineering -ASCE, Vol. 135, Number 4. str. 443-449 ISSN 0733-9437, 2009.		
4.	Trajkovic S., Kolakovic S., Wind-adjusted Turc equation for estimating reference evapotranspiration at humid European locations, Hidrology Research (formerly Nordic Hidrology), 2009, Vol. 40, No. 1, str. 45- 52, ISSN 0029-1277.		
5.	Stipic M., Prodanovic D., Kolakovic S., Rationalization and reliability improvement of fire fighting systems in big cities, Urban Water, 008, vol. 6 br. 2, str. 169-181, ISSN 1462-0758.		
6.	Kolakovic S., Stevanovic D., Miličević D., Trajković S., Milenković S., Kolaković S.S., Anđelković Lj.: EFFECTS OF REACTIVE FILTERS BASED ON MODIFIED ZEOLITE IN DAIRY INDUSTRY WASTEWATER TREATMENT PROCESS, Chemical Industry & Chemical Engineering Quarterly, DOI:10.2298/CICEQ120629092K		
7.	HIDROTEHNIČKE MELIORACIJE – ODVODNJAVANJE (dopunjeno izdanje sa zadacima i CD diskom sa softverom za proračun ETP) , autori: Srđan Kolaković i Slaviša Trajković, Edicija "Tehničke nauke", Fakultet tehničkih nauka – Novi Sad i Građevinsko-arhitektonski fakultet u Nišu (zajednički udžbenik na dva fakulteta), ISBN 186-789-002-5, 626.86(075.8) 335 strana.		
8.	O PRELIVIMA UZ NASUTE BRANE, (monografija) , G.Hajdin, S.Kolaković, L.Hovanj, Đ.Fabian, Građevinski fakultet - Subotica, 1998., ISBNi 86-80297-22-4Naučna knjiga i monografija nacionalnog značaja		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>				
Representative references (minimum 5, not more than 10)					
9.	PUBLIC OPINION SURVEY AS A FORM OF PUBLIC PARTICIPATION IN THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE-LESKOVAC FIELD IRRIGATION, FACTA UNIVERSITAS, SERIES:ARCHITECTURE AND CIVIL ENGINEERING, 3 (2), 173-184, 2005, 14, Trajković, S., Kolaković, S., Injatović, M.				
10.	Kolakovic S., Fabian Đ., Santrac P.; STATE OF CHANNEL BEGA 300 YEARS AFTERWARD ITS COMPLETION, Workshop on the Bega Channel, Subotica 19-21 october 2001				
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 :	3

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

Science, arts and professional qualifications



Name and last name:	Kosec L. Borut		
Academic title:	Guest Professor		
Name of the institution where the teacher works full time and starting date:	-		
Scientific or art field:	Environment Protection Engineering		
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	1998	University of Ljubljana - Ljubljana	Metallurgical Engineering
Magister thesis	1993	University of Ljubljana - Ljubljana	Metallurgical Engineering
Bachelor's thesis	1989	University of Ljubljana - Ljubljana	Metallurgical Engineering



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

	ID	Course name	Study programme name, study type
1.	Z309A	Solid Waste Management	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z508	Specific Design Conditions in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
4.	ZR501	Hazardous Materials and Hazardous Waste	(Z01) Safety at Work, Master Academic Studies
5.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
6.	GH508	Landfill desing and municipal waste treatmant systems	(G00) Civil Engineering, Master Academic Studies
7.	SZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Specialised Academic Studies
8.	SZSP09	Remediation of contaminated locations	(Z00) Environmental Engineering, Specialised Academic Studies
9.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies
10.	SZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	(Z00) Environmental Engineering, Specialised Academic Studies
11.	ZR406A	System Regulations and EU Practice in Occupational Health and Safety	(Z01) Safety at Work, Master Academic Studies
12.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies
13.	ZSP09	Remediation of Contaminated Sites	(Z00) Environmental Engineering, Doctoral Academic Studies
14.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies
15.	ZSP20	Systemic Regulation of Environment	(G00) Civil Engineering, Doctoral Academic Studies
16.	ZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Nagode, A., Klančnik, G., Schwarczova, H., Kosec, B., Gojić, M., Kosec, L.: Analyses of defects on the surface of hot plates for an electric stove, Engineering Failure Analysis 23, pp. 82-89, 2012, ISSN 1350-6307.
2.	Agarski, B., Budak, I., Kosec, B., Hodolic, J.: An Approach to Multi-criteria Environmental Evaluation with Multiple Weight Assignment, Environmental Modeling and Assessment 17 (3), pp. 255-266, 2012, ISSN 1420-2026.
3.	Antić, A., Petrović, P.B., Zeljković, M., Kosec, B., Hodolić, J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materials and Technology 46 (3), pp. 279-285, 2012, ISSN 1580-2949.
4.	Klobčar, D., Kosec, L., Kosec, B., Tušek, J.: Thermo fatigue cracking of die casting dies, Engineering Failure Analysis 20, pp. 43-53, 2012, ISSN 1350-6307.
5.	Kosec, B., Karpe, B., Nagode, A., Budak, I., Ličen, M., Dordević, M., Kosec, G.: Efficiency and quality of inductive heating and quenching of planetary shafts, Metalurgija 51 (1) , pp. 71-74, 2012, ISSN 0543-5846.

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
Representative references (minimum 5, not more than 10)			
6.	Jevremovic, D., Puskar, T., Kosec, B., Vukelic, D., Budak, I., Aleksandrovic, S., Egbeer, D., Williams, R.: The analysis of the mechanical properties of F75 Co-Cr alloy for use in selective laser melting (SLM) manufacturing of removable partial dentures (RPD), Metalurgija 51 (2) , pp. 171-174, 2012, ISSN 0543-5846.		
7.	Kores, S., Vončina, M., Kosec, B., Medved, J.: Formation of ALFeSi phase in AlSi12 alloy with Ce addition, Metalurgija 51 (2) , pp. 216-220, 2012, ISSN 0543-5846.		
8.	Česnik, D., Bratuš, V., Kosec, B., Bizjak, M.: Distortion of ring type parts during fine-blanking, Metalurgija 51 (2) , pp. 157-160, 2012, ISSN 0543-5846.		
9.	Gojić, M., Nagode, A., Kosec, B., Kožuh, S., Šavli, Š., Holjevac-Grgurić, T., Kosec, L.: Failure of steel pipes for hot air supply, Engineering Failure Analysis 18 (8) , pp. 2330-2335, 2011, ISSN 1350-6307.		
10.	Kovačević, D., Budak, I., Antić, A., Kosec, B.: Special finite elements: Theoretical background and application, Tehnicki Vjesnik - Technical Gazette, 18 (4) , pp. 649-655, 2011, ISSN 1330-3651.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		93	
Total of SCI(SSCI) list papers :		39	
Current projects :		Domestic :	International :
		1	1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Kostić I. Svetozar	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.10.1992	
Scientific or art field:		Traffic Systems	
Academic career	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Traffic Systems
PhD thesis	1989	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Magister thesis	1983	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1973	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	S0433	Traffic Accidents Expertise	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
2.	S0435	Parking and Public Parking Garages	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	S0438	Traffic Safety and Control Methods	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0440	Traffic Terminal Servers	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S0I53Ž	Rail Transport Safety	(S00) Traffic and Transport Engineering, Master Academic Studies
6.	S0MI4S	Road infrastructure and road safety in urban areas	(S00) Traffic and Transport Engineering, Master Academic Studies
7.	DSSK6S	Sustainable safe road design	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Saobracajna tehnika I - Tehnika bezbednosti i kontrole saobracaja, Udzenik, FTN Univerziteta u Novom Sadu, 1998.		
2.	Tehnika bezbednosti i kontrole saobracaja, Udzenik, II izmenjeno i dopunj.izdanje, FTN u Novom Sadu, 2005.		
3.	Brzina kao faktor bezbednosti drumskog saobracaja, Monografija, FTN u Novom Sadu i EP Komerc Beograd 1994.		
4.	Saobracajno tehnicko vestacenje - osnovni pojmovi, definicije i merne jedinice, prirucnik, Savez inzenjera i tehnicara Srbije, Beograd 1996.		
5.	Aplication of Marquard equations in vehicle crash expertise, "MOTAUTO 01", Proceeding Vol.II, Varna 2001.		
6.	Tehnicko regulisanje saobracaja i problemi parkiranja u gradovima Srbije, Savetovanje o kontroli i upravljanju saobracaja, SDIT Beograd 1992.		
7.	Visespratna garaza - dvostruka spirala-,zasticen patent, YU PAT-63/97, Savezni zavod za intelektualnu svojinu, Beograd 1997.		
8.	Zahtevi strukturnih karakteristika automobila sa aspekta zaštite putnika prilikom sudara, XII Međunarodni skup, Motorna vozila i motori, Kragujevac 2002.		
9.	Rekonstrukcije specifičnih sudara vozila primenom programskog paketa PC CRASH, Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.		
10.	Naučno stručni pristup formiranju nalaza i mišljenja veštaka", Savetovanje na temu Saobraćajne nezgode, Zlatibor, 2007.		
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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	
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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 carier	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	(G10) 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 - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	G1107	Mathematical Analysis 1	(G10) 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	(SI1) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	OM501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
11.	OML501	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.	DOM01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES			Civil Engineering		
List of courses being held by the teacher in the accredited study programmes					
	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 references (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, Convolved $\mathcal{C}\mathcal{S}$ -cosine functions and convolved $\mathcal{C}\mathcal{S}$ -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: Convolved 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'Institut Mathématique				
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.				
10.	M. Kostić: Convolved 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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.	OM501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
7.	OML501	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 engleskom), 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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES			Civil Engineering		
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 (G10) 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 references (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 relations, 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 Journal 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:			Kovačević I. Dušan
Academic title:			Full Professor
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad
			22.10.1985
Scientific or art field:			Theory of Construction
Academic carieer	Year	Institution	Field
Academic title election:	2011		Theory of Construction
PhD thesis	2001	Faculty of Civil Engineering - Beograd	Theory of Construction
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Theory of Construction
Bachelor's thesis	1985	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.	GG29	Structural Stability and Dynamics	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG36	Theory on Plates and Shells	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG403	Structure Testing	(G00) Civil Engineering, Undergraduate Academic Studies
4.	MG402	Computer Aided Structural Modeling	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	A502	Theory of structures and structural systems	(A00) Architecture, Undergraduate Academic Studies
6.	ASO15	Structural Systems in Scene Design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
7.	ASO21	Structures, Materials and Technologies in Scene Design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	GG413	FEM modeling in structural analysis	(G00) Civil Engineering, Undergraduate Academic Studies
9.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
10.	GG515	Finite Element Method	(G00) Civil Engineering, Master Academic Studies
11.	GD011	Selected Chapters in FEM	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	GD025	Selected topics in project management in construction	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	D. Kovačević, I. Budak, Aco Antić, A. Nagode, B. Kosec: FEM Modeling and Analysis in Prevention of the Waterway Dredger's Crane Serviceability Failure, Engineering Failure Analysis, ISSN: 1350-6307, DOI: 10.1016/j.engfailanal.2012.10.009, ELSEVIER		
2.	D. Kovacevic, M. Sokovic, I. Budak, A. Antic, B. Kosec: Optimal Finite Elements Method (FEM) Model for The Jib Structure of a Waterway Dredger, Metallurgy Vol.51, No1, 113-116, ISSN0543-5846, METABK 51(1) 113-116 (2012), UDC-UDK 669.14.018.298:669.18=111		
3.	D. Kovacevic, I. Budak, A. Antic, B Kosec: Special Finite Elements: Theoretical Background and Application, Technical Gazette, ISSN 1330-3651, No. 4 18 (2011) 649-655, UDC/UDK 519.61:624.046		
4.	A. Nagode, G. Klančnik, M. Bizjak, D. Kovačević, B. Kosec, E. Dervarič, B. Zorc, L. Kosec: Structural and Thermodynamic Analysis of Whiskers on the Surface of Grey Cast Iron, Technical Gazette, ISSN 0543-5846, UDC – UDK 669.14.018.298:669.18=111, pp. 11-14, Zagreb, 2012.		
5.	Antić,A., Kozak, D.,Kosec, B., Šimunović, G., Šarić, T., Kovačević, D., Čep, R: Influence of Tool Wear on the Mechanism of Chips Segmentation and Tool Vibration, Technical Gazette, ISSN 1330-3651, Zagreb, Article in Press, 2012.		
6.	D. Kovacevic, S. Rankovic: FEM Modeling of Spatial Structural Systems in Evaluation of the Real Structural Performances, Facta Universitatis, Series: Architecture and Civil Engineering, ISSN 0354-4605, Nis, 2012.		
7.	D. Kovacevic: Model for RC Frames Loaded by Seismic Forces, Invited paper , The 16th European Conference of Fracture (ECF16) - Mini-symposium: Integrity of Dynamical Systems, Proceedings, ISBN 978-1-4020-4971-2, pp. 779-786, Alexandroupoulos, Greece, 2006.		
8.	R. Folić & D. Kovačević: Link Finite Elements Application In FEM Structural Modeling, The 11th International Symposium of Mathematics and its Applications, Invited paper, Proceedings, pp12-23, Timișoara, 2006.		
9.	D. Kovačević, Ž. Janjić & I. Džolev: Special Finite Elements - Why and Where? INDIS 2009, 5th International Scientific Conference, Invited paper, ISBN 978-86-7892-221-3, Novi Sad, pp. 63-72, 2009.		
10.	Dušan Kovačević: MKE modeliranje u analizi konstrukcija, 336 str, Građevinska knjiga, Beograd, 2006.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			82
Total of SCI(SSCI) list papers :			5



	UNIVERSITY OF NOVI SAD					
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation - PhD Studies					
DOCTORAL ACADEMIC STUDIES			Civil Engineering			
Current projects :	Domestic :	2	International :	0		

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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 - Renewable 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 (G10) 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 references (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.Tosić, "COMBINED EFFECT OF EXCITATION-EXCITATION AND EXCITATION-PHONON INTERACTION ON CRYSTALS DIELECTRIC 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)		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	Lj. Budinski-Petković and U.Kozmidis-Luburić, "J AMING CONFIGURATIONS FOR IRREVERSIBLE DEPOSITION ON A SQUARE LATTICE", Physica A 236, 211(1997)		
5.	Lj. Budinski-Petković and U. Kozmidis-Luburić, "RANDOM SEQUENTIAL ADSORPTION ON A TRIANGULAR LATTICE", Physical Review E 56, 6904(1997)		
6.	V.Sajfert,B.S.Tošić,M.Marinković and U.F.KOZMIDIS-LUBURIĆ,"SURFACE DEFORMATION IN FILMS AND EXCITON CONCENTRATION", 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.Čirić,"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 :	<div style="display: flex; justify-content: space-between;"> 1 International : 0 </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
--	--	--

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 carier	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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
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 (G10) 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 references (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 salicyldehyde 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) methylpyrazole, Journal of Thermal Analysis, 47, 879-886,				
4.	S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSe ₂ , 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 Ge ₂₀ As ₁₄ SxSe _{52-x} 14, 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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 career	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.	EMSAU ₁	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

		UNIVERSITY OF NOVI SAD			
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		Study Programme Accreditation - PhD Studies			
		DOCTORAL ACADEMIC STUDIES		Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
	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 (G10) 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 references (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.				

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
Representative references (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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Malešev M. Mirjana		
Academic title:	Associate Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 16.01.1984		
Scientific or art field:	Materials in Civil Engineering, Condition Assessment and Construction		
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering, Condition Assessment and Construction Sanation
PhD thesis	2003	Faculty of Civil Engineering - Beograd	Materials in Civil Engineering and Concrete Technology
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering and Concrete Technology
Bachelor's thesis	1983	Faculty of Technical Sciences - Novi Sad	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.	A202	Structures, Materials and Building	(A00) Architecture, Undergraduate Academic Studies
2.	GG09	Materials in Construction 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG21	Concrete Technology	(G00) Civil Engineering, Undergraduate Academic Studies
4.	URZP13	Building materials and structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	GG504	Durability and Assessment of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
6.	GG517	Damages and Repair of Masonry, Steel and Timber Structures	(G00) Civil Engineering, Master Academic Studies
7.	GG518	Repair of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
8.	GG521	Construction Business and Regulative	(G00) Civil Engineering, Master Academic Studies
9.	GP502	Bridge Management	(G00) Civil Engineering, Master Academic Studies
10.	URZP62	Assessment of Damaged Structures	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
11.	GS009	Energy-efficient materials and diagnostic of building thermotechnical performances	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
12.	GS010	The design of energy efficient buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
13.	GS011	Energy revitalization of buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
14.	SDGI1A	Odabrana poglavlja iz građevinskih materijala i konstrukcija	(G10) Geodesy and Geomatics, Specialised Academic Studies
15.	GD005	Selected Chapters in Concrete Theory and Technology	(G00) Civil Engineering, Doctoral Academic Studies
16.	GD008	Contemporary Methods in Concrete Structure Design	(G00) Civil Engineering, Doctoral Academic Studies
17.	GD015	Rheology of Concrete Structures	(G00) Civil Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Malešev, M. (1994) Primena metode ultrazvuka pri određivanju otpornosti betona na dejstvo mraza, Magistarska teza
2.	Malešev, M. (2003) Parametarska analiza uticaja novih vrsta cementa proizvedenih prema EN 197-1 na osnovna svojstva betona, Doktorska disertacija
3.	Malešev, M., Folić, R., Muravljov, M., Radonjanin, V. (1996): Eksperimentalno istraživanje zavisnosti između brzine ultrazvuka i otpornosti betona na dejstvo mraza, XX Kongres JUDIMK, Cetinje, str. 73 - 79.
4.	Radonjanin, V., Malešev, M. (1997): Concrete Quality Control by Using Statistical Methods, Bulletins for Applied & Computer Mathematics, BAM-1324, Vol.LXXXIB, Budapest, Hungary, pp. 95-104.
5.	Stojanović G., Radovanović M., Malešev M., Radonjanin V.: Monitoring of Water Content in Building Materials Using a Wireless Passive Sensor, Sensors, 2010, Vol. 10, No 5, pp. 4270-4280, ISSN 1424-8220, UDK: 10.3390/s100504270
6.	Malešev M., Radonjanin V., Radeka M., Milovanović V., Lukić I.: Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 1, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, Beograd, 19-21 Oktobar, 2011, pp. 159-168, ISBN 978-86-87615-02-1

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	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering			
Representative references (minimum 5, not more than 10)				
7.	Radonjanin V., Malešev M., Radeka M., Lukić I., Milovanović V.: Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, Beograd, 19-21 Oktobar, 2011, pp. 169-178, ISBN 978-86-87615-02-1			
8.	Malešev M., Radonjanin V., Emhemd Saed M., Milovanović V.: Zeleni betoni-nove mogućnosti održivog građevinarstva, 12. Konferencija Savremena građevinska praksa, Andrevlje: Fakultet tehničkih nauka i Društvo građevinskih inženjera Novog Sada, 19-20 Maj, 2011, pp. 209-226, ISBN 978-86-7892-324-1			
9.	Marinković S., Radonjanin V., Malešev M., Ignjatović I.: Comparative environmental assessment of natural and recycled aggregate concrete, Waste Management, 2010, Vol. 30, No 11, pp. 2255-2264, ISSN 0956-053X, UDK: doi: 10.1016/j.wasman.2010.04.012			
10.	Maksimović M., Stojanović G., Radovanović M., Malešev M., Radonjanin V., Radosavljević G., Smetana W.: Application of a LTCC sensor for measuring moisture content of building materials, Construction and Buildings Materials, 2012, Vol. 26, No 1, pp. 327-333, ISSN 0950-0618(02)00045-4, UDK: 10.1016/j.conbuildmat.2011.06.029			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	4			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	2	International :	1

	UNIVERSITY OF NOVI SAD		
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	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		

Science, arts and professional qualifications



Name and last name:		Markuš B. Momčilo	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Hydrotechnics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Hydrotechnics
PhD thesis	1995	Civil Engineering department, Colorado State University - Fort Collins	Hydrotechnics
Magister thesis	1987	Faculty of Civil Engineering - Beograd	Hydrotechnics
Bachelor's thesis	1981	Faculty of Civil Engineering - Beograd	Hydrotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GD026	Selected Chapters in Hydro-informatics	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Salas, J.D., Markus, M., and Tokar, A.S., 2000, Streamflow Forecasting Based on Artificial Neural Networks; chapter in Artificial Neural Networks in Hydrology, edited by R.S. Govindaraju and A. Ramachandra Rao, Kluwer Academic Publishers, Dordrecht, 348 pp. (book chapter)		
2.	Kumar, P., Alameda, J, Bajcsy, P., Folk, M., and Markus, M. "Hydroinformatics: Data Integrative Approaches in Computation, Analysis, and Modeling," 2006 CRC Press, Boca Raton, Florida, 552 pp. (book)		
3.	Govindaraju, R.S., Rao, A.R., Leib, D., Najjar, Y.M., Gupta, H.V., Hjermfelt, A., Markus, M., Tokar, A.S., Islam, S., Salas, and J.D., Ray, C., The ASCE Task Committee on Application of Artificial Neural Networks in Hydrology, 2000, Artificial Neural Networks in Hydrology. I: Preliminary Concepts, Journal of Hydrologic Engineering, 5(2):115-123.		
4.	Govindaraju, R.S., Rao, A.R., Leib, D., Najjar, Y.M., Gupta, H.V., Hjermfelt, A., Markus, M., Tokar, A.S., Islam, S., Salas, and J.D., Ray, C., The ASCE Task Committee on Application of Artificial Neural Networks in Hydrology, 2000, Artificial Neural Networks in Hydrology. II: Hydrologic Applications, Journal of Hydrologic Engineering, 5(2):124-137.		
5.	Tokar, A.S., and Markus, M., 2000, Precipitation-Runoff Modeling Using Artificial Neural Networks and Conceptual Models, Journal of Hydrologic Engineering, 5(2):156-161.		
6.	Guo, Y., Markus, M., and Demissie, M., 2002, Nitrate-N Load Computation with Different Methods, Sampling Frequencies and Durations for Illinois Agricultural Watersheds, Water Resources Research, 38(10), 1185, doi:10.1029/2001WR001149.		
7.	Markus, M., Tsai, C., W.-S., and Demissie, M., 2003, Uncertainty of 6 Weekly Nitrate-N Forecasts using Artificial Neural Networks, March 2003, Journal of Environmental Engineering, 129 (3):267-274.		
8.	Markus, M, Knapp H. V., and Tasker, G. D. 2003, Entropy and Generalized Least Square Methods in Assessment of the Regional Value of Streamgages, J. Hydrology, 283(1-4):107-121		
9.	Markus, M., Demissie, M., 2006, Predictability of Annual Sediment Loads Based on Flood Events, Journal of Hydrologic Engineering, 11(4):354-361.		
10.	Amenu, G.G. M. Markus, P. Kumar, M. Demissie, 2007, Hydrologic Applications of Minimal Resource Allocation Network (MRAN) Algorithm, Journal of Hydrologic Engineering, 12(1):124-129.		
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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 career	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
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.	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 - Renewable 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



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation - PhD Studies			
		DOCTORAL ACADEMIC STUDIES		Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
	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 references (minimum 5, not more than 10)					
1.	E. Pap, B. Mihailović: A representation 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.				



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	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
Representative references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	
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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 career	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.	OM512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OML512	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

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
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		
Representative references (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 - characterization 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 (G10) 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 references (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, MONATSHFTE 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering			
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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications

Name and last name:			Radeka M. Miroslava		
Academic title:			Associate Professor		
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad		
			01.12.1979		
Scientific or art field:			Materials in Civil Engineering, Condition Assesment and Construction		
Academic carieer	Year	Institution		Field	
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad		Materials in Civil Engineering, Condition Assesment and Construction Sanation	
PhD thesis	1998	Faculty of Technology - Novi Sad		Material Science and Engineering Materials	
Magister thesis	1985	Faculty of Technology - Novi Sad		Material Science and Engineering Materials	
Bachelor's thesis	1979	Faculty of Technology - Novi Sad		Technological Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name		Study programme name, study type	
1.	GG04	Materials in Construction 1		(G00) Civil Engineering, Undergraduate Academic Studies	
2.	GG09	Materials in Construction 2		(G00) Civil Engineering, Undergraduate Academic Studies	
3.	GG405	Finishing Operations and Installation in Facilities		(G00) Civil Engineering, Undergraduate Academic Studies	
4.	URZP13	Building materials and structures		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies	
5.	Z202	Graditeljstvo i životna sredina(uneti naziv na engleskom)		(Z20) Environmental Engineering, Undergraduate Academic Studies	
6.	GS001	Energy Efficiency and Certification of Buildings		(G10) Energy Efficiency in Buildings, Specialised Academic Studies	
7.	GS013	Special topics of building physics and thermodynamics		(G10) Energy Efficiency in Buildings, Specialised Academic Studies	
8.	SDGI5A	Selected chapters from the energy efficiency of buildings		(G10) Geodesy and Geomatics, Specialised Academic Studies	
9.	GD012	Selected Chapters in Science on Materials		(G00) Civil Engineering, Doctoral Academic Studies	
10.	GD023	Energy Efficiency of Construction Structures		(G00) Civil Engineering, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)					
1.	Praktikum sa zbirkom rešenih zadataka za VEŽBE iz predmeta MATERIJALI U GRAĐEVINARSTVU 1, 2008				
2.	1.Radeka, M., Ranogajec, J., Marinković-Nedučin, R., Živanović, B. (1995): Compaction Mechanism as the Function of Atomised Powder Particle Size. <i>Ceramics International</i> , Vol. 21, No. 4, pp. 249-255.				
3.	2.Đurić, M., Marinković-Nedučin, R., Ranogajec, J., Radeka, M. (1995): Particle Size as a Factor Influencing Compressibility of Ceramic Powder. <i>Ceramics International</i> , Vol. 21, No. 4, pp. 227-230.				
4.	3. Đurić, M., Ranogajec, J., Radeka, M., Marinković-Nedučin, R. (1995): Deformation Stress Analysis on Ceramic Powders with Variable Particle Size Range. <i>J. Can. Cer. Soc.</i> , Vol. 64, No. 4, pp.7-12.				
5.	4. Đurić, M., Ranogajec, J., Radeka, M., Živanović, B. (2000): Influence of Amorphous Phase Quantity on some Characteristics of Sintered Ceramic Tiles. <i>J. Can. Cer. Soc.</i> , Vol.68, No.2., pp. 52-57.				
6.	5.Ranogajec, J., Đurić, M., Radeka, M., Jovanović P. (2000): Influnce of Particle Size and Furnace Atmosphere on the Sintering of Powder for Tiles Production. <i>Ceramics Silikaty</i> , Vol. 44, No.2., pp.71-77.				
7.	6. Radeka, M., Đurić, M., Ranogajec, J., Živanović, B. Petrašinović-Stojkanović Lj. (2000): Transport Characteristics of Ceramic Particles During Compaction. <i>cfi/Ber. DKG</i> , Vol.77, No.4, pp. 24-29.				
8.	7. Radeka, M., Ranogajec, J., Marinković-Nedučin, R., Kiurski, J. (2003): Texture Modeling of Ceramic Roofing Tile Systems as a Means of Improving Frost Resistance Characteristics, <i>Tile&Brick International</i> , Vol.19, No.2, pp.86-93.				
9.	1.Kiurski J., Ranogajec J., Ujhelji A, Radeka M.,Bokorov M.: Evaluation of the Effect of Lichens on Ceramic Roofing Tiles by Scanning Electron Microscopy and Energy-Dispersive Spectroscopy Analyses, <i>Scanning</i> Vol. 27., (2005) 113-119.				
10.	1. Kiurski J., Ranogajec J., Ujhelji A.,Radeka M., Bokorov M., Balint J., Borbelj-Mesaros A. : Biochemical Corrosion of Ceramic Roofing Tiles by Lichen Actions, <i>Interceram</i> , Vol 54 (2005) [5] 340-343.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			11		
Total of SCI(SSCI) list papers :			11		
Current projects :			Domestic :	2	International : 1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Radonjanin S. Vlastimir		
Academic title:	Associate Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.11.1987		
Scientific or art field:	Materials in Civil Engineering, Condition Assessment and Construction		
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering, Condition Assessment and Construction Sanation
PhD thesis	2003	Faculty of Civil Engineering - Beograd	Materials in Civil Engineering and Concrete Technology
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering and Concrete Technology
Bachelor's thesis	1982	Faculty of Civil Engineering - Beograd	Civil Engineering



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

	ID	Course name	Study programme name, study type
1.	A202	Structures, Materials and Building	(A00) Architecture, Undergraduate Academic Studies
2.	GG09	Materials in Construction 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG21	Concrete Technology	(G00) Civil Engineering, Undergraduate Academic Studies
4.	URZP13	Building materials and structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	GG504	Durability and Assessment of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
6.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
7.	GG517	Damages and Repair of Masonry, Steel and Timber Structures	(G00) Civil Engineering, Master Academic Studies
8.	GG518	Repair of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
9.	GP502	Bridge Management	(G00) Civil Engineering, Master Academic Studies
10.	URZP62	Assessment of Damaged Structures	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
11.	GS009	Energy-efficient materials and diagnostic of building thermotechnical performances	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
12.	GS010	The design of energy efficient buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
13.	GS011	Energy revitalization of buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
14.	SDGI1A	Odabrana poglavlja iz građevinskih materijala i konstrukcija	(G10) Geodesy and Geomatics, Specialised Academic Studies
15.	GD005	Selected Chapters in Concrete Theory and Technology	(G00) Civil Engineering, Doctoral Academic Studies
16.	GD008	Contemporary Methods in Concrete Structure Design	(G00) Civil Engineering, Doctoral Academic Studies
17.	GD013	Earthquake Engineering	(G00) Civil Engineering, Doctoral Academic Studies
18.	GD015	Rheology of Concrete Structures	(G00) Civil Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)


1.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, ACI Materials Journal, VOL. 95 No. 4, July/August 1998, pp.463-470.
2.	Folić, R., Radonjanin, V., Malešev, M. (2002): The assessment of the Structure of Novi Sad Open University Damaged in Fire, Journal "Construction and Building Materials", No. 16 (2002), Elsevier Science, London, pp.427 - 440.
3.	Pavlović, P., Folić, R., Radonjanin, V., Tatomirović, M. (1997): The Testing and Repair of Steel Silo, Journal "Construction and Building Materials", Vol. 11. No. 5-6 (1997), Elsevier Science, London, pp.353-363.
4.	Radonjanin, V., Malešev, M., Folić, R. (2007): Assessment and repair of the bearing structure of a multi-storey parking garage, Journal of Building Appraisal, Volume 2, Issue 4, Publisher "Palgrave Macmillan", London, UK, February 2007, pp. 335-354.
5.	Radonjanin, V. (2003): Parametarska analiza karakteristika reparaturnih maltera sa aspekta njihove primene pri sanaciji armiranobetonskih konstrukcija, Građevinski fakultet Univerziteta u Beogradu, str. 732.
6.	Radonjanin, V., Folić, R., Malešev, M. (2004): Investigation, Evaluation and Repair of Reinforced Concrete Structures Damaged in Fire, Workshop "Extreme Loadings, Aging and Durability of Concrete Structures", Hydro-Quebec, McGill University and Laboratoire de Beton, Kanada, Montreal, 2004, pp. 35.

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>				
Representative references (minimum 5, not more than 10)					
7.	Folić, R., Radonjanin, V., Malešev, M. (2004): Evaluation and repair of reinforced concrete multi-story frame structures subjected to high temperatures, Workshop "Extreme Loadings, Aging and Durability of Concrete Structures", Hydro-Quebec, McGill University and Laboratoire de Beton, Kanada, Montreal, 2004, pp. 25.				
8.	Radonjanin, V., Malešev, M. (2004): Analiza svojstava "gotovih" reparaturnih maltera sa aspekta njihove primene pri sanaciji AB konstrukcija, Časopis "Materijali i konstrukcije", Br. 1 - 2, Beograd, 2004, str. 14-28.				
9.	Radonjanin, V., Malešev, M. (2006): Sanacija i zaštita betonskih konstrukcija u praksi, Plenarno predavanje, VIII simpozijum "Korozija i zaštita materijala u industriji i građevinarstvu", YUCORR, Tara, maj 2006, str. 91-105.				
10.	Radonjanin, V. (2003): Prilog istraživanju osnovnih karakteristika betona modifikovanih polimerima sa aspekta njihove primene u armiranobetonskim konstrukcijama, Magistarska teza				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		24			
Total of SCI(SSCI) list papers :		7			
Current projects :		Domestic :	2	International :	1

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		



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 (G10) 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 references (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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 carier	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.	OM502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
7.	OM508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OM517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OML502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
10.	OML508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
11.	OML517	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	20BAAdvanced 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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES			Civil Engineering		
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 references (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, ročník 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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.	E1410	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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
List of courses being held by the teacher in the accredited study programmes					
	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 (G10) 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 references (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 microtubular 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 carier	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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
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 references (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.<leng>				
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.<leng>				
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.<leng>				
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.<leng>				
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



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Stankovski V. Stevan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 23.03.1987	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic carier	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1994	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1991	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1987	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.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
2.	H109	Fundamentals in Programming	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1409	Intelligent Systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
6.	H1501A	Systems for Surveillance and Visualisation of Process	(H00) Mechatronics, Undergraduate Academic Studies
7.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
8.	H311	Application of Sensors and Actuators	(H00) Mechatronics, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	BM116C	Motion control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	BMI110	Sensors and actuators in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
12.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
13.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
14.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
15.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
16.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
17.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
18.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
19.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
20.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
21.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
22.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
23.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies		
DOCTORAL ACADEMIC STUDIES		Civil Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
24.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
25.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
26.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
27.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
28.	MBA414	Integrated Business Processes	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
29.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
30.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
31.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
32.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
33.	GS006	Intelligent Buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
34.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
35.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
36.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
37.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
38.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
39.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
40.	IM2716	Automation systems in insurance	(I20) Engineering Management, Master Academic Studies
41.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
42.	GD018	Automation and Robotics in Construction	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
43.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
44.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
45.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
46.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
47.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
48.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
49.	HDOL13	Motion control and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
50.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
51.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
52.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Stankovski S., Tarjan L., Škrinjar D., Ostojić G., Šenk I.: Using a Didactic Manipulator in Mechatronics and Industrial Engineering Courses, IEEE Transactions on Education, 2010. Vol. 53, No 4. pp. 572-579. ISSN 0018-9359		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>			
Representative references (minimum 5, not more than 10)				
2.	Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj.: Method of evaluating the impact of ERP implementation critical success factors – a case study in oil and gas industries (DOI:10.1080/17517575.2012.690105), Enterprise Information Systems, 2012, ISSN 1751-7575			
3.	Stankovski S., Ostojić G., Šenk I., Rakić-Skoković M., Trivunović S., Kučević D.: Dairy cow monitoring by RFID, Scientia Agricola, 2012, Vol. 69, No 1, pp. 75-80, ISSN 0103-9016			
4.	Stankovski, S., Ostojić, G., Raković, M., Trajan, L., Šenk, I., Nikolić, M.: Zbirka rešenih zadataka iz: Programiranje i primena programabilno logičkih kontrolera, Fakulte tehničkih nauka, 2009			
5.	Stankovski, S., Rakić-Skoković, M., Šešlija, D., Ostojić, G.: Primena RFID tehnologije u automatizaciji			
6.	Stankovski S., Lazarević M., Ostojić G., Čosić I., Purić R.: RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, No 4, pp. 364-370, ISSN 0144-5154			
7.	Ostojić G., Lazarević M., Stankovski S., Čosić I.: RFID Technology Application in Disassembly Systems , Strojinski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, No 11, pp. 759-767, ISSN 0039-2480, UDK: 658.5			
8.	Popović B., Popović N., Mijić D., Stankovski S., Ostojić G.: Remote Control of Laboratory Equipment for Basic Electronics Courses: A LabVIEW-based Implementation DOI: 10.1002/cae.20531, Computer Applications in Engineering Education, 2011, ISSN 1061-3773			
9.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M.: IML Robot Grasping Process Improvement, Iranian Journal of Science & Technology, 2011, Vol.35, No M1, pp. 197-207, Transactions B ISSN: 1028-6284			
10.	Janković J., Petrović N., Miladinović Lj., Popkonstantinović B., Stoimenov M., Petrović D., Ostojić G., Stankovski S.: Computer Simulation of Fast Hydraulic Actuators, Iranian Journal of Science & Technology, Transactions B, 2012, Vol. 36, No M1, pp. 95-106, ISSN: 1028-6284			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	25			
Total of SCI(SSCI) list papers :	20			
Current projects :	Domestic :	3	International :	4

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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 career	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
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.	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.	OM504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
7.	OM505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OML504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OML505	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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		
List of courses being held by the teacher in the accredited study programmes			
	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 (G10) 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 references (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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Šumarac M. Dragoslav	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Civil Engineering - Beograd 17.10.1980	
Scientific or art field:		Technical Mechanics	
Academic carieer	Year	Institution	Field
Academic title election:	1998		Technical Mechanics
PhD thesis	1998		Technical Mechanics
Bachelor's thesis	-		Technical Mechanics
Magister thesis	-		Technical Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GS001	Energy Efficiency and Certification of Buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
2.	SDGI5A	Selected chapters from the energy efficiency of buildings	(G10) Geodesy and Geomatics, Specialised Academic Studies
3.	GD023	Energy Efficiency of Construction Structures	(G00) Civil Engineering, Doctoral Academic Studies
4.	GD024	Fracture Mechanics	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Šumarac, D.: Energetska efikasnot zgrada (Zbornik radova), Građevinski fakultet Beograd, 2005.		
2.	Šumarac, D.: Energetska efikasnost zgrada u Srbiji, Konferencija Graditeljstvo i održivi razvoj, DIMK, Građevinski fakultet Beograd, Ed. S. Marinković i V. Radonjanin, Beograd, jun 04-05, 2009.		
3.	Sumarac,D.and Krajcinovic, D.: "A Mesomechanical Model for Brittle Deformation Processes", Part II, Journal of Applied Mechanics, 56, pp. 57-62, 1989.		
4.	Sumarac, D. and Krajcinovic, D.: "A Simple Solution of the Crack Reinforced by Bonds", Engineering Fracture Mechanics, Vol. 33, 6, pp. 949, 1989.		
5.	Krajcinovic, D., Basista, M. and Sumarac, D.: "Micromechanically Inspired Phenomenological Damage Model", Journal of Applied Mechanics, 58, No.2, pp. 305, June 1991.		
6.	Krajcinovic, D., Basista, M., Mallick, K. and Sumarac, D.: "Chemo-Micromechanics of Brittle Solids", Journal of the Mechanics and Physics of Solids, Vol. 40, No. 5, pp. 965-990, 1992.		
7.	Krajcinovic, D., Mallick, K., Basista, M. and Sumarac, D.: "Elastic Moduli of Perforated Plates in the Neighborhood of Critical State", Int. Journal of Solids and Structures, Vol.29, No. 14/15, pp. 1837-1847., 1992.		
8.	Sumarac, D., Krajcinovic, D. and Mallick, K.: "Elastic Parameters of Brittle, Elastic Solids Containing Slits-Mean Field Theory", Inter. Journal of Damage Mechanics, Vol.1, No.3, pp. 320-346, 1992.		
9.	Krajcinovic, D., Sumarac, D. and Mallick, K.: "Elastic Parameters of Brittle, Elastic Solids Containing Slits-Critical State", Inter. Journ. of Damage Mechanics, Vol. 1, No. 4, pp. 386-403, 1992.		
10.	Krajcinovic,D. Lubarda,V., Sumarac,D.: "Fundamental Aspects of Brittle Cooperative Phenomena-Effective Continua Models", Mechanics of Materials, 15, pp.99-115, 1993.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			
Total of SCI(SSCI) list papers :			
Current projects :		Domestic :	International :

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES	
	Civil Engineering	

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
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.	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

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation - PhD Studies			
		DOCTORAL ACADEMIC STUDIES		Civil Engineering	
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 references (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

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering		

Science, arts and professional qualifications

Name and last name:		Trajković R. Slaviša	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Hydrotechnics	
Academic carier	Year	Institution	Field
Academic title election:	2008	Faculty of Civil Engineering and Architecture - Niš	Hydrotechnics
PhD thesis	2002	Faculty of Civil Engineering and Architecture - Niš	Hydrotechnics
Bachelor's thesis	-		Hydrotechnics
Magister thesis	-		Civil Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GD016	Selected Chapters in Water Regulation and Protection	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kolaković, S. I Trajković, S., Hidrotehničke melioracije – Odvodnjavanje, Fakultet tehničkih nauka Novi Sad I Građevinsko-arhitektonski fakultet Niš, 2006.		
2.	Gocic, M. and Trajkovic, S. Software for Estimating Reference Evapotranspiration Using Limited Weather Data. Computers and Electronics in Agriculture, 71(2), 158-162, 2010.		
3.	Trajkovic, S., Stankovic, M., and Todorovic, B. (2000). Estimation of FAO Blaney-Criddle b Factor by RBF Network, Journal of Irrigation and Drainage Engineering, 126(4), 268-271.		
4.	Trajkovic, S., Todorovic, B., and Stankovic, M. (2003). Forecasting of Reference Evapotranspirationn by Artificial Neural Networks, Journal of Irrigation and Drainage Engineering, 129(6), 454-457.		
5.	Trajkovic, S. (2005). Temperature-Based Approaches for Estimating Reference Evapotranspiration, Journal of Irrigation and Drainage Engineering, 131(4), 316-323.		
6.	Trajkovic, S. (2007). Hargreaves versus Penman-Monteith under Humid Conditions, Journal of Irrigation and Drainage Engineering, 133(1), 38-42.		
7.	Trajkovic, S. and Kolakovic, S. (2009a). Wind-adjusted Turc equation for estimating reference evapotranspiration at humid European locations. Hydrology Research, 40(1), 45-52.		
8.	Trajkovic, S. (2009). Comparison of Radial Basis Function Networks and Empirical Equations for Converting from Pan Evaporation to Reference Evapotranspiration, Hydrological Processes, 23 (6), 874-880.		
9.	Trajkovic, S. and Kolakovic, S. (2009b). Estimating Reference Evapotranspiration Using Limited Weather Data, J. Irrig. And Drain. Engrg. 135(4), 443-449		
10.	Trajkovic, S. and Kolakovic, S. (2009c). Evaluation of Reference Evapotranspiration Equations under Humid Conditions. Water Resources Management, 23 (14), 3057-3067.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		80	
Total of SCI(SSCI) list papers :		13	
Current projects :		Domestic :	2 International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Trivunić R. Milan		
Academic title:	Full Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 22.10.1985		
Scientific or art field:	Organization, Construction Technology and Management		
Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
Bachelor's thesis	1985	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management



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

	ID	Course name	Study programme name, study type
1.	A374	Project and Construction Management 1	(A00) Architecture, Undergraduate Academic Studies
2.	GG31	Technology and Building Organization 1	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG311	Technology and Building Organization in Hydrotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GG33	Technology and Building Organization 2	(G00) Civil Engineering, Undergraduate Academic Studies
5.	GG404	Precasting and Assembly Technology	(G00) Civil Engineering, Undergraduate Academic Studies
6.	ZR302A	Safety at work in construction	(Z01) Safety at Work, Undergraduate Academic Studies
7.	ZRI43A	Management of safety at work process in construction	(Z01) Safety at Work, Undergraduate Academic Studies
8.	A394	Project and Building Management 2	(AH0) Architecture, Master Academic Studies
9.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
10.	GG520	Industrial Methods in Construction	(G00) Civil Engineering, Master Academic Studies
11.	GM501	System Theory and System Analysis	(G00) Civil Engineering, Master Academic Studies
12.	ZP514	Planning and organizing activities during events with catastrophic consequences	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	GD004	Selected Chapters in Construction Management	(G00) Civil Engineering, Doctoral Academic Studies
14.	GD010	Advanced Building Technologies	(G00) Civil Engineering, Doctoral Academic Studies
15.	ZRD237	State and development trends of health and safety at work in the construction	(Z01) Safety at Work, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Trivunić, M., Matijević, Z. (2004, 2006): Tehnologija i organizacija građenja. Praktikum, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Edicija tehničke nauke, br. 96 i br. 126, Novi Sad, str. 1-199.
2.	Vuković, S., Trivunić, M. (1995): "Site management and production analysis of concrete hall assembly". The International Journal of Research, Development and Demonstration "Building Research and Information", Volume 23, Number 1, E. and F.N. Spon, UK, pp. 55-59.
3.	Trivunić, M. (1997): "An Expert System for The Optimization of Prefabricated Concrete Hall Element Assembly". CIB W-24 International Seminar on Industrialization Building: Present State and Future Trends, Haifa, Israel, pp. E-1-E-11.
4.	Trivunić, M. (1999): "PRIMATES-An Expert System For Selecting The Optimal Hall Assembly Method". 16th IAARC/IFAC/IEEE International Symposium an Automation and Robotics in Construction, Madrid, Spain, pp. 173-179.
5.	Trivunić, M., Folić, R. (1999): "Proračun ankera i užadi za zahvatanje montažnih betonskih elemenata". "Izgradnja", br. 53, 6/99, str. 148-157.
6.	Trivunić, M., Dražić, J. (2000): "The optimization of prefabricated concrete hall element production". Međunarodna konferencija "Građevinarstvo-građevinski menadžment 2000" – Nemzetközi konferencia "ÉPÍTŐIPAR – ÉPÍTÉSI MENEDZSMENT 2000", Budapest, pp. 109-116.
7.	Trivunić, M. (2001): "Tehnologija i organizacija nadgradnje zgrada". "Materijali i konstrukcije", br. 1-2, Beograd, str. 56-60.
8.	Matijević, Z., Trivunić, M. (2006): "Adaption of Benchmarking for The Application in The Hybrid method for Improving The Performances of A Company", International Conference VSU"2006, 22 may - 23 may, 2006, Sofia, Bulgaria, Vol II, pp. V-1 - V-6.
9.	Matijević, Z., Trivunić, M. (2006): "Transformation of the Organisational Structure of Construction Companies for the Purpose of Mass Customization", Adaptables2006, TU/e, International Conference On Adaptable Building Structures Eindhoven, The Netherlands, 03-05 July 2006, Volume 1, pp.3-232 - 3-236.



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>				
Representative references (minimum 5, not more than 10)					
10.	Trivunić, M. (1997): Assembly management as a part of the construction process. ?Construction Technology - Construction Management ?97? (editors: K.Delević, E.Malešević, Ž.Prašćević, J.Gyulay), Faculty of Civil Engineering Subotica, Faculty of Civil Engineering Beograd, Faculty of Civil Engineering Budapest, Faculty of Architecture Budapest, Subotica, June 3rd-4th 1997, pp.84-91.				
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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p>	
	<h2 style="margin: 0;">Study Programme Accreditation - PhD Studies</h2> <p style="margin: 0;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	

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 carier	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.	OM518	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OML518	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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES				Civil Engineering	
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 references (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.	Cvetičanin, 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 Characteristics of Women Managers and a New Style of Leadership, Proceedings of IC-Congress, Haarlem, The Netherlands, 3-4. May 2007				
10.	Dj. Ćelić, Z. Uzelac, Vrednosne mreže, Zborniki radova XIII Medjunarodna konferencija 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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Civil Engineering	
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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 career	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

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES			Civil Engineering		
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 references (minimum 5, not more than 10)					
1.	Essa K., Kačmarčík 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., Konjovčić Z., Vilotić M.: An Improved Experimental Method for Determining 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., Essa 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., Kačmarčík 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. 306-309, 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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Vrcelj R. Zora	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Constructions in Civil Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Constructions in Civil Engineering
PhD thesis	2004	School of Civil and Environmental Engineering, UNSW - Kensington	Constructions in Civil Engineering
Magister thesis	1999	Department of Civil, Mining and Environmental Engineering, University of Wollongong - Kensington	Constructions in Civil Engineering
Bachelor's thesis	1995		Civil Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GD008	Contemporary Methods in Concrete Structure Design	(G00) Civil Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	SM Zahrai, S Abbasi, B Samali, Z Vrcelj (2012) Experimental investigation of utilizing TLD with baffles in a scaled down 5-story benchmark building, Journal of Fluids and Structures, 28, 194-210.		
2.	TM Atanackovic, BN Novakovic, Z Vrcelj (2012) Application of Pontryagin's Principle to Bi-modal Buckling Optimization of Micro and Nano rods, International Journal of Stability and Dynamics, 12(3), 11 pgs.		
3.	TM Atanackovic, BN Novakovic, Z Vrcelj, Application of Pontryagin's Principle to Buckling Optimization of Micro and Nano rods, Archive of Applied Mechanics (accepted June 2011)		
4.	Al-deen, G Ranzi, Z Vrcelj, Long-term experiments of composite beams and connections, Magazine of Concrete Research (accepted 2011)		
5.	S Al-deen, G Ranzi, Z Vrcelj (2011) Full-scale long-term experiments of simply supported composite beams with solid slabs, Journal of Constructional Steel Research, 67(3), 308-321.		
6.	S Al-deen, G Ranzi, Z Vrcelj (2011) Shrinkage effects on the flexural stiffness of composite beams with solid concrete slabs: an experimental study, Engineering Structures, 33(4), 1302-1315.		
7.	Z Vrcelj & MA Bradford (2006) Elastic distortional buckling of continuously restrained I-section beam-columns, Journal of Constructional Steel Research, 62: 223-230.		
8.	MA Bradford, A Roufegarinejad & Z Vrcelj (2006) Elastic buckling of thin-walled circular tubes containing an elastic infill, International Journal of Structural Stability and Dynamics, 6(4): 457-475.		
9.	Z Vrcelj & B Uy (2002) Strength of slender concrete-filled steel box columns incorporating local buckling, Journal of Constructional Steel Research, 58(2): 275-300.		
10.	Z Vrcelj & MA Bradford (2010) On using Legendre polynomials and amended spline transformations in the SFMS for buckling and free vibrations of plates and thin-walled beams, Thin-Walled Structures, 48(10-11), 798-805.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		47	
Total of SCI(SSCI) list papers :		10	
Current projects :		Domestic :	0
		International :	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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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 career	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 (G10) 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 references (minimum 5, not more than 10)			
1.	Milica Vučinić-Vasić, Divko Čirić, 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		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2> <div style="display: flex; justify-content: space-between;"> DOCTORAL ACADEMIC STUDIES Civil Engineering </div>		
Representative references (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 distribution, 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., Dohčević-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 :	<div style="display: flex; justify-content: space-between;"> 2 International : 1 </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation - PhD Studies</p> <p style="text-align: center;">DOCTORAL ACADEMIC STUDIES Civil Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Vujić V. Goran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 20.02.1999	
Scientific or art field:		Environment Protection Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2012		Environment Protection Engineering
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E0S42	Renewable sources and environmental protection	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	Z204A	Monitoring of the Living Environment	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z309A	Solid Waste Management	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z401A	Design and Planning in Environmental Protection	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z401B	Design and Planning in Environmental Engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	Z409A	Hazardous Waste Management and Recycling Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	OAS214	Integralni katastar zagađivača(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z101	Uvod i principi zaštite okruženja(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z205	Održivo korišćenje prirodnih resursa i sistem zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z401A	Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	Z409A	Upravljanje opasnim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	M3202	Identification and reduction of pollution from industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies
14.	ZC047	Waste to energy technologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
15.	Z452	Design and maintenance of quality control in environmental engineering	(M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	Z508	Specific Design Conditions in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
17.	Z511	Institutional Framework for Accidental Risk Management	(Z20) Environmental Engineering, Master Academic Studies
18.	ZR501	Hazardous Materials and Hazardous Waste	(Z01) Safety at Work, Master Academic Studies
19.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
20.	GH508	Landfill desing and municipal waste treatmant systems	(G00) Civil Engineering, Master Academic Studies
21.	MPK012	Solid waste management	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
22.	MPK014	Monitoring and system control	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
23.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation - PhD Studies</h2>					
DOCTORAL ACADEMIC STUDIES			Civil Engineering		
List of courses being held by the teacher in the accredited study programmes					
ID	Course name	Study programme name, study type			
24.	SZD042	Models of economic evaluation of environmental projects	(Z00) Environmental Engineering, Specialised Academic Studies		
25.	SZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Specialised Academic Studies		
26.	SZDI23	Material Flow Analysis in Urban Systems	(Z00) Environmental Engineering, Specialised Academic Studies		
27.	SZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	(Z00) Environmental Engineering, Specialised Academic Studies		
28.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies		
29.	ZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Doctoral Academic Studies		
30.	ZDI23	Material Flow Analysis in Urban Systems	(Z00) Environmental Engineering, Doctoral Academic Studies		
31.	ZDO42	Models of Economic Evaluation of Projects for Environment Protection	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies		
32.	ZSP20	Systemic Regulation of Environment	(G00) Civil Engineering, Doctoral Academic Studies		
33.	ZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Vujić, G., Pešenjanski, I.: Combustion chamber for stawn bals, Fifth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2000.				
2.	Vujić, G., Marinić, I., Bašić, Đ.: Waste Separation and Recicling Methods, Which Are The Most Suitable For City of Novi Sad, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
3.	Vujić, B., Vujić, G.: Environmental due diligence and its appliance in specific national environmental condition in Serbia&Montenegro, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
4.	Jezdimirovic.I.A., Vujic,G., Mudric, J.: Special Conditions of Raw and Drinking Water management, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
5.	Vujić, G., Bašić, Đ. Mihajlov, A.: Process of privatisation and environment in Serbia and Montenegro, PSU-UNS conference, HAT-YAI, Thailand, 16-18 december. 2003.				
6.	Vujić, G., Vojinović-Miloradov M., Bašić, Đ., Vujić,B., Čabradi, G., Tomašević, B.: Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad, CHISA 2004, 22-26,08.2004.Prague, Czech Republic.				
7.	Ubavin, D., Vujić, G., Bašić, Đ.:Landfill gas extraction and collection systems; PSU-UNS International Conference On Engineering And Environment - ICEE-2005, Novi Sad 19-21 May, 2005.				
8.	Ubavin, D., Vujić, G., Mihajlov, A., Bašić, Đ.: Gas to energy opportunity on landfill in city of Novi Sad – Serbia and Montenegro D. Faculty of Technical Sciences, Novi Sad, Serbia and Montenegro, World Congress and Exhibition "ISWA 2005", November 6.-10. 2005. Buenos Aires, Argentina Ref No 194, Proceedings p.82				
9.	Marjanović, D., Vujić, G , Mihajlović, V., Ubavin, D.: Selection of Technology and Public Opinion as Key Factors in Regional Landfill Location Selection, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007149				
10.	Vujić, G , Mihajlović, V., Ubavin, D.: Possibilities for Landfill Gas Usage at Novi Sad Landfill, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007150				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		0			
Total of SCI(SSCI) list papers :		0			
Current projects :		Domestic :	1	International : 1	



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

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 Civil 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 amphitheatres, 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 information 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.

Means for the realization of Doctoral studies, besides the ones provided by the resource ministries, are also provided in cooperation with other higher education institutions, accredited scientific institutions and international organizations.

Faculty provides students to utilize equipment or have access to necessary and adequate equipment in the possession of the Faculty, for scientific and research work.

Faculty provides 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.



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Civil Engineering

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.