

	<p>UNIVERSITY OF NOVI SAD</p> <p>FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p>Study Programme Accreditation</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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STUDY PROGRAMME ACCREDITATION MATERIAL:

INDUSTRIAL ENGINEERING

MASTER ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

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Programme name	Industrial 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	Industrial Engineering and Management
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	71-79
Academic degree, abbreviation	Master in Industrial Engineering, M.Ind.Eng.
Study length	1
Programme implementation starting year	2009
Future course implementation starting year (for new programme)	
Number of students attending this programme	10
Planned number of students to be enrolled in this programme	32
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

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 00. Introduction

Study program of master academic studies Industrial Engineering is a continuation of an appropriate study program of undergraduate studies and is the first program of study within which master engineers of industrial engineering at universities in Serbia are educated. Programmed on the basis of long-term development of the study program Industrial Engineering and Management at the Faculty of Technical Sciences in Novi Sad and needs deeper study of the mechanisms of operation and management of technological systems, processes and businesses in the manufacturing and service organizations, and educational needs of scientific research oriented and directed to human resources for work in these, particularly important areas.

Industrial Engineering at the master academic studies is a field of study intended for students who are in their future professional orientation interested in the planning, organizing, managing, monitoring and control of technological systems and components (functions) of the company as well as for process improvement and performance parts and the whole enterprise, with special interests and orientation of research towards the development of their own competence in the subject area.

Unlike other engineering programmes, Industrial Engineering based its action on a systemic approach to the study of the production and service systems - case management, components, structure, management procedures and systems and infrastructure resources. Master engineer of industrial engineering has the ability to organize and process management, and enterprise functions and integrate them into a whole. This master degree program educates engineers of industrial engineering, capable of making decisions in real-time operation of the system, as well as for studying the processes that these decisions are based on scientific grounds. With skills gained through the program of industrial engineering, master engineer is qualified for the work, planning and control processes in all functions enterprises in the field of material production, as well as the provision of services.

Industrial Engineering, as master studies programme, in educational terms, is the study program which was created as a result of practical needs - lack of specialists whose profile in all equated with knowledge and skills required in the modern engineering industry, but also with the knowledge and skills related to basic technology of production / service processes, information technology, design features of the structure of the company, automate work processes, logistics and technical resources of the company. Industrial Engineering Degree program to master academic studies provides students who have completed undergraduate studies, a wide array of elective courses, the opportunity to improve their own knowledge and practical skills and profile to them in a variety of research orientation, software-defined, areas of activity.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 01. Programme Structure

The full name of the study program is Industrial Engineering. Acquired academic title master engineer of industrial engineering. The outcome of the learning process is theoretical knowledge, practical skills and the ability to analyze and synthesize factors, processes and relationships that engineers master of this profile provide independent research work in organizations (firms) in the field of manufacturing, utilities, and other public activities related to planning, organizing, , management, monitoring and control of manufacturing systems, parts (functions) companies - a research-oriented application of acquired knowledge and skills to problems that arise in the profession and the use of appropriate technical and scientific literature, and allows them to continue their studies at the PhD level.

Requirements for admission to the program are completed basic studies in the appropriate field and passed the ability test, which is valued at 60 points, and the test is passed if the candidate acquires at least 14 points. According to the Regulations on the program of study, enrolment candidate can win up to 100 points based on grade point average in undergraduate studies and the results achieved in the entrance exam. The average score of the first university degree brings a maximum of 40 points.

At the master academic studies of Industrial Engineering, which are lasting one year, teaching is organized around four areas. Students, based on their own preferences and desires, through elective courses, may choose one of these four areas:

1. Design, organization and management systems,
2. Automation of working processes,
3. Information management and communication systems,
4. Quality and logistics.

Within the field of design, organization and management system, the emphasis is placed on the study of the general requirements of enterprise development, and the methods and techniques of business management including implementation of intelligent systems, with special emphasis on the training of master engineers for research-oriented work in companies with a marked orientation towards innovative, entrepreneurial-oriented activities.

Within the field of Automation of working processes students deal with the science-based study of the theory and practice of automation the process of manufacturing and service systems, particularly scientifically based methods and techniques of design, implementation, management and implementation of automation projects and research oriented application of modern software and hardware solutions in project interventions.

Within the field of Information management and communication system, the emphasis is placed on science-based study of the theoretical and practical aspects of the application of information technology and systems in business and research-oriented interventions in this area.

Within the area Quality and logistics emphasis is placed on science-based study of the theory and practice of quality assurance and logistics processes in a company and a research-oriented interventions in this area.

Elective courses are selected from the group of proposed subjects and elective areas at a certain pre-conditions that are prescribed for the attendance of selected courses in the second semester. Students also have the opportunity to, according to their own preferences and desires for a certain number of cases, with the approval of the Head of the study program, choose any of the subjects within Faculty of Technical Sciences, University of Novi Sad or any other university in the country or abroad. At the same prerequisites must be prescribed for attendance of selected objects.

Classes are held in a lecture, auditory, laboratory and computer exercises. Special types of learning activities are seminars and projects - designed studies of practical cases in the relevant field of research. Special attention is given to individual work with students in the form of mentoring and consultation. Number of points is expressed by a unique methodology and reflects the burden on all aspects of student learning activities. Study is considered complete when a student fulfilled all obligations under the program of study, pass exams and thereby provide at least 60 ECTS.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 02. Programme Objectives

The purpose of the study program is to educate students - master engineers of industrial engineering in accordance with the needs of society.

Industrial Engineering study program is designed to provides to master engineers of industrial engineering the acquisition of competencies in the field of research-oriented planning, organization, control and management of technological systems and components (functions) companies, that competence to fill an important gap in educational attainment the missing organizations in all areas of activity of the Serbian economy and society, and the lack of which is one of the main causes of low efficiency and effectiveness of these organizations, especially the gap in the field of research and scientific activities in this field. For these reasons, it draws the basic elements of social validity and usefulness of the program and its prospects. The Faculty of Technical Sciences has defined the aims and goals of education for highly competent personnel in the field of engineering, technology, organization, management, and creating the foundation for scientific research procedures in these areas. The purpose of the study program Industrial Engineering at the master level studies is in full compliance with these basic goals of the Faculty of Technical Sciences.

With the realization of this concept of study program master engineers of industrial engineering are educating.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 03. Programme Goals

The aim of the studies is to achieve competence and scientific and research oriented academic skills in the field of industrial engineering. This, among other things, the development of creative abilities and research issues, and critical thinking and their solutions, developing skills in teamwork on the implementation of research projects and learning the scientific methods and specific practical skills needed for the profession.

The aim of the study is to establish a experts who has the necessary theoretical and practical knowledge of all necessary engineering and management disciplines, research capacity in these disciplines as well as specific skills in the design of production systems, information systems, automated systems as well as system design and quality integrated system support, application technology and process control in various areas of manufacturing, service and public sector and the application of modern information technology, but all framed by science-based knowledge and practical skills for understanding economic and social laws that govern relations company-market.

One of the specific objectives, consistent with the education goals of experts from the Faculty of Technical Sciences is developing awareness master engineers of industrial engineering of the need for continuous education of their own, education and training of human resources in the company, the application of the general education of international standards and standards relating to specific areas such as quality, environment, health and safety, safe food production, information security and other international standards. The aim of the studies is also the education of researchers capable of teamwork, and the development of skills for communication and transfer of knowledge and the results of their own to co-workers and their publication in a scientific, professional and general public.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 04. Graduates' Competencies

Master engineers of industrial engineering are competent to investigate and predict the needs of companies in all their processes, to design solutions, manage processes, and solve real practical problems that arise in practice, and to continue their education in doctoral studies if they choose to do so. Competencies, primarily involving the development of critical thinking skills, independent problem analysis, synthesis and design solutions and decision-making in real time.

Specific skills - knowledge and skills of master engineers of industrial engineering, acquired in this study program, including expert knowledge and understanding of selected areas of the discipline, and the ability to process control in these areas and solving practical problems with the use of scientific methods and procedures. This study program enables the students' ability to connect theoretical knowledge from different fields with their practical application. Master engineers of industrial engineering are able to appropriately elaborate and present the results of their work. During the study insists on intensive use of information and communication technologies.

Master engineers of industrial engineering are competent to apply the acquired knowledge and skills in the management of practical projects in enterprises and constant innovation of knowledge and skills through training for the generation of new scientific and technical information and apply them in their own field of work, as well as the ability to work with local and international social, public and professional environment.

Master engineers of industrial engineering acquire research potential, knowledge and skills for efficient use of natural resources in accordance with the principles of sustainable development. In their education, the particular attention is paid to the development of skills for teamwork and the development of professional and business ethics.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 05. Curriculum

Curriculum of master studies in Industrial Engineering degree program was created to meet all of our goals. The structure of the study program is more than 30% of ECTS.

Students can choose one of the four areas of industrial engineering: Design, organization and management systems; Automation of working processes; Information management and communication systems and Quality and logistics, with specific dealt with in each of these areas. The structure of the study program is consisted of obligatory and elective courses. Through the elective courses, students meet their own preferences in the area that they have chosen.

All courses are lasting one semester and the corresponding number of ECTS, where one ECTS equals approximately 30 hours of student activities. The order of presentation of the case study program is such that the skills needed to acquire the following items previously presented cases.

The curriculum is a description of each course with a title, type of course, year and semester, the number of ECTS, name of the teacher, the course aims and expected outcomes, competencies, prerequisites for attending the course, course content, suggested readings, teaching methods, the method of assessment and evaluation, and other data.

The study program is compliant with the European standards in terms of admission requirements, length of study, conditions for the transition to the next year, graduation and modes of study.

Integral part of the curriculum of the study program Industrial Engineering is a professional practice - practical work for 45 hours, which is carried out relevant scientific research institutions, organizations for innovation activities in organizations for providing infrastructural support innovation activities in companies and public institutions.

A student completing his/her studies by writing the master thesis that consists of theoretical and methodological preparation necessary for in-depth understanding of the area from which the master work for the final paper, which is the application of knowledge and skills on a specific research task.

Before the defense of master thesis, student takes the theoretical and methodological base with mentor. The final score of the master thesis is running on the basis of the assessment laid the theoretical and methodological preparation and evaluation of the work formed the basis of the quality of the submitted work, the presentation and responses to questions from the Commission prad which defends the work, which consists of at least three teachers, one of which is at least one from another department or faculty.

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Table 5.2 Course specification

Course:		Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)			
Course id:	IM2102				
Number of ECTS:	5				
Teachers:		Čuš -. Franci, Heraković S. Niko, Kuzmanović D. Bogdan, Lazarević M. Milovan, Leber J. Marjan, Maksimović M. Rado, Marić B. Branislav, Čosić P. Ilija, Xu Z. Ming			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	2	0	0	1	
Precondition courses		None			
1. Educational goal:					
The aim of the course is that students master the basic knowledge of different production strategies that allow increased competitiveness of enterprises and acquire competence in identifying, formulating and implementing different production strategies in the productive and social context and application of basic principles, methods, tools and techniques of selected strategies.					
2. Educational outcomes (acquired knowledge):					
Upon completion of the course, students will be competent to apply their knowledge of: understand the different concepts and the importance of different production strategies for the competitiveness of the production system; identify, formulate and implement various strategies and thus contribute to increasing the competitiveness of enterprises, to apply different principles, methods and techniques of engineering analysis and evaluate opportunities to increase the competitiveness of the production system at the local, regional and in the global context. They will be able to designed and revitalize various types of manufacturing systems.					
3. Course content/structure:					
Opening considerations. The basic approach in the development of production systems - CIM, LEAN and Effective systems. Tendencies in the development of production systems. Tendencies of changes in the surroundings of the company. Spatial structure. The flexibility of the system. Convenience of management. The effectiveness of the system. Effective production systems. The general model of material flow. Approached in shaping the spatial structure of the system (process and object). Approaches in the design of production systems (individual and group). Group technology. The cell manufacturing and group technology. IIS approach in developing off effective production systems. The method of classification. Methods for the analysis of flows in the system. Introduction to LEAN approach. Kaizen continuous improvement. Value stream mapping (Value Stream Map - VSM). LEAN principles. LEAN tools. Visual Management and 5S. The losses in the production process. Standard procedures. Quick tool change (SMED). JIT. Kanban. Quality (Quality Assurance). Continuous flow (Heijunka). Design of work stations. World-class manufacturing. Mass customization.					
4. Teaching methods:					
In order to achieve the goals of learning outcomes in the teaching process there is a combination of lectures, exercises, laboratory exercises and case studies to overcome the different chapters in a subject. In addition there is a regular term for consultation. Some of the material contains basic theoretical knowledge related to different production strategies. The second part of the material which expands the matter relating to the various production strategies, allowing students to transfer the knowledge that they can analyze the specific engineering problems related to the production systems and manufacturing in general, and then make the appropriate conclusions. Case studies are used to integrate these topics and shows students how the various techniques are interrelated and applied in real-life situations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	James P. Womack, Daniel T. Jones	Lean razmišljanje - Lean Thinking		Fakultet tehničkih nauka u Novom Sadu	2012
2,	Grupa autora	Grupna tehnologija i čelijska proizvodnja		Kluver Academic Publishers	1998
3,	Zelenović, D.	Projektovanje proizvodnih sistema		Univerzitet u Novom Sadu - Fakultet tehničkih nauka	2009

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Table 5.2 Course specification

Course:		Design of enterprise's organization				
Course id:	IM2113					
Number of ECTS:	4					
Teacher:	Maksimović M. Rado					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
2	2	0	0	0		
Precondition courses						
None						
1. Educational goal:						
The goal of course is to enable students with knowledge and skills for the implementation of research-oriented analysis techniques in organizational structure, and acquire students with understanding of interdependence in parts of structure and relationships with stakeholders in the enterprise environment.						
2. Educational outcomes (acquired knowledge):						
Students acquire the ability and skills to explore variants of the organizational structure, the analysis of the effectiveness of the organization and setup of organization in accordance with changes in the environment.						
3. Course content/structure:						
Characteristics of the organizational structure; Variant analysis of the organizational structure, selection of the best varieties of the organizational structure, design information flow, communication system; basic characteristics of organizational structure, effectiveness of organizational structure; companies and organizations environmental changes; Methods and techniques of business management.						
4. Teaching methods:						
Teaching include: Lectures, practical analysis of specific examples of organizational structures of companies; auditory exercises with examples in the form of organizational methods and techniques, and written paper which is an independent student work - a case study for a company from the perspective on how to organise.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points	
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00	
Lecture attendance		Yes	5.00	Coloquium exam	No 20.00	
Term paper		Yes	20.00	Coloquium exam	No 20.00	
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Zelenović, D.	Tehnologija organizacije industrijskih sistema - preduzeća		Fakultet tehničkih nauka u Novom Sadu	2012	
2,	Maksimović, R.	Složenost i fleksibilnost struktura industrijskih sistema		Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2003	

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Table 5.2 Course specification

Course:		Theory of Constraints			
Course id:	IM2316				
Number of ECTS:	4				
Teachers:	Lalić P. Bojan, Leber J. Marjan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Objective of the couse is to develop ability to (1) increase organizational capacity and methodical approach, (2) extension of project management knowledge by application of given theory in the planing, deployment and control processes with focus on balancing resources rather than critical path, (3) understanding differences between traditional project management methodology and critical chains methodology, (4) learning about identification and correction project constraints. The objective is to fulfill and integrate knowledge for management and organization of projects according to critical chains necessary for engineers who are participating in project teams.					
2. Educational outcomes (acquired knowledge):					
Student who successfully finish course obligations will obtain knowledge needed for: (1) identification of constraints in engineering projects and industrial systems, (2) implementation of critical chain methodology, (3) assigning activity priorities, (4) involvement in theory of constraints application in multi project environment and project portfolio and program organization.					
3. Course content/structure:					
Introduction to Theory of Constraints and Critical Chain methodology. Measuring project performance. Identification of elements limitation within the system. Internal and external constraints. Organizing project activities and scheduling time buffers. Balancing project resources. Advantages and differences between critical path and critical chain methods. Parallel activities, effect of student syndrome and task prioritization. Control matrix. Monitoring time buffers and corrective measures. Applying theory of constraints in multi project environment. Theory of constraints in portfolio management. Implications of Theory of Constraints on Operational Management. Theory of constraints in Supply Chain Management.					
4. Teaching methods:					
Lectures are auditory with theoretical treatment of the required number of case studies. Practical work will be performed using different project management tools and learning through software simulations will be held on computers, which presents 40% of the total grade. Activity on line and in class room will be evaluated by 10% of the mark. Tests and quizzes will carry 20% of the total grade. Students will develop case study as their final work and it presents 30% of the final grade.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Lalić, B., Jovanović, M.	Metod kritičnog lanca		FTN, Novi Sad	2013
2,	Goldratt, M.	Project Management the TOC way		Goldratt Institute Limited	1998
3,	Peter W. G. Moris, Jeffrey K. Pinto	The Willey Guide to Managing Projects		Willey	2007

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Table 5.2 Course specification

Course:		Reverse Engineering and Rapid Prototyping			
Course id:	P321				
Number of ECTS:	4				
Teachers:		Budak M. Igor, Plančak E. Miroslav, Lužanin B. Ognjan, Vukelić B. Đorđe			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
2		0	2	0	0
Precondition courses					
None					
1. Educational goal:					
Gaining knowledge on theoretical and practical aspects of reverse engineering modeling and rapid prototyping in the field of industrial production.					
2. Educational outcomes (acquired knowledge):					
Learning on reverse engineering methodology. The ability of practical application of reverse engineering in the field of industrial production with an emphasis on the use of contact and optical 3D digitization systems. Learning on rapid prototyping methodology. The ability to understand technical aspects of rapid prototyping with special emphasis on the practical application of rapid prototyping in the field of industrial production. Ability to understand the methodological and practical aspects of reverse engineering and rapid prototyping integration.					
3. Course content/structure:					
The term, role and importance of reverse engineering in the field of industrial production. Reverse Engineering methodology. 3D digitization - concepts and methods. Pre-processing of the results of 3D digitization. Reconstruction of complex surfaces - generating CAD models. The term, concept, role and importance of rapid prototyping in industrial production. Technological aspects of rapid prototyping. Materials for rapid prototyping. Integration of reverse engineering and rapid prototyping.					
4. Teaching methods:					
Classes are held in the form of interactive lectures, laboratory and computer exercises. Lectures presents the theoretical part of the course subject accompanied by characteristic examples in order of better understanding. The laboratory exercises comprise practical application of the gained knowledge on the available laboratory equipment. Computer exercises include application of ICT in gaining knowledge in the field of study. In addition to lectures and exercises consultations are regularly held.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer excersise defence		Yes	10.00	Written part of the exam - tasks and theory	Yes 30.00
Exercise attendance		Yes	5.00	Oral part of the exam	Yes 20.00
Laboratory exercise defence		Yes	10.00		
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Plančak M.	Brza izrada prototipova, modela i alata		Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2009
2,	Budak, I.	Reverzibilno inženjerstvo - preprocesiranje rezultata 3D digitalizacije		Fakultet tehničkih nauka u Novom Sadu	2012
3,	Wego Wang	Reverse Engineering: Technology of Reinvention		CRC Press, Taylor and Francis Group	2010

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Table 5.2 Course specification

Course:		Product Development and Management in PLM				
Course id:	PLM02					
Number of ECTS:	5					
Teachers:		Anišić M. Zoran, Dudić P. Slobodan, Lazarević M. Milovan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		2	0	0		0
Precondition courses						
None						
1. Educational goal:						
The goal is learning the subject knowledge needed for effective management of the product during the life cycle in the function of changeable requirements as a result of market situation, production system in which the product is manufactured and requirements of the environment during the exploitation.						
2. Educational outcomes (acquired knowledge):						
The outcomes of the subject include the acquired knowledge related to product structure and architecture of the product families and similar products, as well as acquired engineering knowledge related to each phase of the life cycle through which the product passes with the usage of integrated software for monitoring and management.						
3. Course content/structure:						
Principles of integrated products and processes development. Product life cycle, planning and management. Definition of the product. Specification and market position of products. Structural schemes of products and connections between parts, components and assemblies of products. Presentation and management of products family and production program. Functional requirements of products and decomposition. House of Quality - QFD matrix. Design for excellence - DFX. The choice of materials and design for assembly - DFA. Suitability for parts manufacturing - DFM. Design for quality - DFQ. Design for environmental protection - DFE. Management information on the product during the simultaneous work of network designers. Management products to the individual requirements of customers in the PLM environment.						
4. Teaching methods:						
Teaching is conducted through lectures and laboratory exercises. Testing of knowledge takes place through the test by which to determine whether the students are prepared for the project task. Entrepreneurial development and defence of the project task is a key part of testing the students' ability to solve engineering tasks.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 40.00
Lecture attendance			Yes	5.00	Coloquium exam	No 20.00
Term paper			Yes	20.00	Coloquium exam	No 20.00
					Oral part of the exam	Yes 30.00
Literature						
Ord.	Author		Title		Publisher Year	
1,	Miltenović V.		Razvoj proizvoda		MF Niš 2003	
2,	Anišić, Z.		Razvoj i menadžment proizvoda u toku životnog ciklusa		FTN 2011	
3,	Keinonen T., Takala R.		Product Concept Design		Springer 2006	
4,	Belliveau P., Griffin A. Somereyer S.		The PDMA Toolbook for New Product Development		John Wiley & Sons, Inc. 2002	
5.	Franceschini F.		Advanced Quality Function Deployment		St. Lucie Press 2001	

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Table 5.2 Course specification

Course:		Non Industrial Robotics and Automation in Buildings						
Course id:	H1503							
Number of ECTS:	6							
Teachers:		Borovac A. Branislav, Ostojić M. Gordana						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
3		0		2		0	0	
Precondition courses							None	
1. Educational goal:								
The course objective is to introduction to new fields of non-industrial robotics (service robotics, humanoid robotics, medical robotics, etc) and automation which becomes more and more important . The additional objective is to introduce scientific and research work.								
2. Educational outcomes (acquired knowledge):								
The course outcome is students ability to understand problems of non-industrial robotics and automation and to be able to take active part in this fields.								
3. Course content/structure:								
The course consists of two parts. During the first one problems of non-industrial robotics are presented with main focus on “behaviour based robotics” which is a new way for controlling robots in non-structured environment such as human environment. Non-industrial robotics includes: overview of potential service								
4. Teaching methods:								
The course is realized through lectures and practical classes and they are mandatory for all students. They also need to fulfill all requirements. Students can choose whether they will take exam in non-industrial robotics or automation in buildings. For each of these exams they need to complete a project and to defend it orally.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Project			Yes	50.00	Written part of the exam - tasks and theory		Yes	50.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	George A. Bekey		Autonomous robots – From biological inspiration to implementation and control			The MIT Press, ISBN 0-262-02578-7		2005
2,	Rodney A. Brooks		Cambrian Intelligence – The Early History of the New AI			A Bradford Book, The MIT Press		1999
3,	Ronald Arkin		Behavior-based Robotics			The MIT Press, ISBN 0-262-01165-4		1998
4,	Borovac, B., Ostojić, G.,		Neindustrijska robotika i automatizacija - skripta			FTN		2012

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Table 5.2 Course specification

Course:		Implementation of automated systems						
Course id:	H505							
Number of ECTS:	5							
Teachers:		Stankovski V. Stevan, Šešlija D. Dragan, Dudić P. Slobodan, Šormaz N. Dušan						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:		
2		0	2		0	1		
Precondition courses		None						
1. Educational goal:								
The objective of the subject is that the students acquire necessary knowledge in designing, operating and maintaining automated systems.								
2. Educational outcomes (acquired knowledge):								
The outcome of this subject is the necessary knowledge in designing, operating and maintaining automated systems.								
3. Course content/structure:								
Introduction to IAS. Requirements specifications. Requirements analysis. Criteria for selecting equipment. Designing method selection. Project models. Installation/operation. Maintenance. Error search.								
4. Teaching methods:								
Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Evaluation of knowledge is carried out through the subject project and the final exam. The requirement for taking the final exam is that the student must successfully complete the project. The final exam is in written form.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Project defence			Yes	50.00	Written part of the exam - tasks and theory		Yes	50.00
Coloquium exam							No	20.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	Hess, S.		Example of Pneumatic Applications			FESTO PNEUMATIC		2000
2,	Lotter, B.		Manufacturing Assembly Book			FESTO PNEUMATIC		1991
3,	Plagemann		ICP Recipe book			FESTO PNEUMATIC		2000
4,	Stevan Stankovski		Implementacija automatizovanih sistema (Puštanje u rad i održavanje sistema sa programabilno logičkim kontrolerima)			FTN, Novi Sad		2007
5,	Dragan Šešlija		Implementacija automatizovanih sistema (puštanje u rad, održavanje i otkrivanje kvarova kod pneumatskih sistema) skripta			FTN, Novi Sad		2012

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Table 5.2 Course specification

Course:		Advanced robotics			
Course id:	H829				
Number of ECTS:	5				
Teacher:		Borovac A. Branislav			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses					
None					
1. Educational goal:					
The course objective is acquiring of advanced knowledge in robotics. This includes modelling and simulation of complex robotic systems and its dynamic behaviour, as well as control synthesis (on the basis of force feedback, visual information, mor cognitive system). The course objective is that student gain competences for deep insight of complex robotic systems as well as for use of advanced techniques to control them.					
2. Educational outcomes (acquired knowledge):					
Students will be able to model and simulate dynamics, recognize relevant dynamic effects and, on the basis of required behavior of the robot in concrete environmental situation, synthesize control system.					
3. Course content/structure:					
Expansion of robotics, specialized robots and robors of wide spectrum of activity, problems associated with dealing in real world, (non-structured environment), artificial vision as basic sensor information anout robot situadness in the world, force as a basic information about interraction in real world, cognition and control system synthesis.					
4. Teaching methods:					
The course is held through lectures and practice. On lectures will be explained theorethical fundamentals, while on the practices students will be demonstrated practical issues with maximal involvement of students. Students will be focused on research componentof course. All practical lectures will be done in labs.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Project task		Yes	30.00	Theoretical part of the exam	Yes 70.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Siciliano B., Khatib O. (Eds.)	Springer handbook of robotics		Springer-Verlag	2008
2,	Spong M., Hutchinson S., Vidyasagar M.,	Robot Modeling and Control		John Wiley & Sons Inc.	2006
3,	R. Dorf, R. Bishop	Modern Control Systems		Pearson Education - Prentice Hall	2011
4,	G. Franklin, J. D. Powell, A. Emami-naeini	Feedback Control of Dynamic Systems		Pearson Education - Prentice Hall	2010
5,	G. Bradski, A. Kaehler	Learning OpenCV		O'Reilly Media, Inc.	2008

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Table 5.2 Course specification

Course:		Automation of packaging processes			
Course id:	I829				
Number of ECTS:	5				
Teachers:	Dudić P. Slobodan, Šešlija D. Dragan, Šormaz N. Dušan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses					
1. Educational goal:					
The goal of this course is to gain the knowledge about automation packaging processes that allows students to better understand the importance and necessity of automation and their training for the proper implementation of different management techniques in the process of automation packaging processes. The goal of this course is to obtain competencies for the design of automation packaging processes as an important base for the automation of the production process.					
2. Educational outcomes (acquired knowledge):					
Students will be able to understand the importance and need of automation of packaging processes, creating conceptual design of packaging process, as well as the application of different control techniques in the automation of packaging processes. MSc in industrial engineering should gain the competencies in the design of automation of packaging processes as an important base for the automation of the production process.					
3. Course content/structure:					
The importance of process automation package, Automated devices for transporting and sorting, automated device for packaging forming , automated devices for the preparation and introduction of auxiliary materials and packaging, automated dispensing devices, automated devices for closing packaging, automated devices for labeling and printing, automated devices monitoring packages, automated devices for collective packing and palletizing, combined and specialized packaging machinery, design of automated packaging lines.					
4. Teaching methods:					
Classes include lectures on the subject in which the students provide a theoretical basis of automation of packaging processes. All lectures are supported by practical examples related to automation of packaging processes that help a better understanding of topics units. The exercises have to encourage teamwork, analysis of automated systems for packaging various types of products and realisation of practically oriented tasks in the field of automation of packaging processes. The entire exercises are computer supported.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Coloquium exam	No 20.00
Lecture attendance		Yes	5.00	Theoretical part of the exam	Yes 70.00
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	I.Vujković, K. Galić, M. Vereš	Ambalaža za pakiranje namirnica		Tectus Zagreb	2007
2,	Joseph F. Hanlon, Robert J. Kelsey, Hallie E. Forcinio	Handbook of Package Engineering-third edition		CRC Press USA	1998
3,	Deppert W., Stoll K.	Pneumatik in der verpackungs Technik		Vogel-Buchverlag Wuerzburg	1982
4,	Zelenović, D., Šešlija D., Stankovski S.	Prilog razmatranju uslova razvoja efektivnih procesa pakovanja		Savremeno pakovanje 2-4	1999

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Table 5.2 Course specification

Course:		Application of microelectromechanical systems				
Course id:	I903					
Number of ECTS:	4					
Teachers:		Stankovski V. Stevan, Ostojić M. Gordana, Stojanović M. Goran, Ivandić I. Željko				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		0	2		0	0
Precondition courses		None				
1. Educational goal:						
The goal of course is to master the skills necessary for the application of microelectromechanical systems in a variety of industrial and non-industrial applications.						
2. Educational outcomes (acquired knowledge):						
Outcomes of the subject is knowledge that primarily enables the application of microelectromechanical sensors and other microelectromechanical devices in various applications.						
3. Course content/structure:						
Introduction to microelectromechanical systems. Defining basic categories of microelectromechanical components. Designing systems that use MEMS. Physical limitations. MEMS examples: accelerometers, pressure sensors, gyroscopes, micro servomechanisms. Analysis of possible applications and selection of the appropriate microelectromechanical sensors and actuators.						
4. Teaching methods:						
Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Evaluation of knowledge is carried out through the subject project and the final exam. The requirement for taking the final exam is that the student must successfully complete the project. The final exam is in written form.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Project			Yes	50.00	Written part of the exam - tasks and theory	Yes 50.00
Coloquium exam					No	20.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	Tan K. K., T. H. Lee and S. Huang	Precision motion control: Design and implementation, 2nd ed.			London, Springer	2008
2,	Robert H. Bishop	The Mechatronics Handbook			CRC PRESS	2002
3,	Andrzej M. Pawlak	Sensors and Actuators in Mechatronics – Design and Application			CRC Taylor & Francis	2007
4,	Julian Gardner, Vijay Varadan, Osama Awadelkarim	Microsensors, MEMS and smart devices			John Wiley & Sons Ltd.	2007

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Table 5.2 Course specification

Course:		Empirical Software Engineering				
Course id:	I834					
Number of ECTS:	4					
Teacher:		Mandić M. Vladimir				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:		Study research work:		Other classes:
2	0	2		0		0
Precondition courses		None				
1. Educational goal:						
The objective of course is to acquaint students with challenges, methods and approaches in empirical software engineering.						
2. Educational outcomes (acquired knowledge):						
Students will gain theoretical knowledge of the various methods used to study complex phenomena that accompany the development of software products, such as designing empirical studies, e.g. experiments or case studies. The course will be of benefit to students who plan to engaged in research work in the field of software engineering, as well as future managers of quality in the software industry, which will be trained to use a variety of quantitative and qualitative methods in order to investigate software process.						
3. Course content/structure:						
The course covers the following topics: (1) a brief historical overview of empiricism in software engineering and motivation, (2) empirical software engineering methods through introduction of the relevant papers in the field, (3) a detailed review of qualitative and quantitative methods, (4) introduction to software metrics and measurement processes, and (5) the design of experiments in software engineering. Practical exercises will be designed as a series of experiments, students will apply the empirical methods discussed in class.						
4. Teaching methods:						
Lectures, laboratory exercises and exams. Lectures will be interactive and it will induced discussion of relevant topics through student presentations of exemplar papers in the field. On lab exercises, students will go through the entire process of designing an experiment, execution, data collection, and at the end of the data analysis and synthesis of the results.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Lecture attendance		Yes	10.00	Theoretical part of the exam		Yes 50.00
Project task		Yes	20.00			
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	V. Mandić, J. Markkula, M. Oivo	Towards Multi-Method Research Approach in Empirical Software Engineering		Springer-Verlag		2009
2,	Juristo, N., Moreno, A	Basics of Software Engineering Experimentation		Springer		2001
3,	Shull, F.; Singer J.; Sjöberg, D.I.K. (eds)	Guide to Advanced Empirical Software Engineering		Springer		2007
4,	J. Muench, O. Armbrust, Martin Kowalczyk, M. Soto	Software Process Definition and Management		Springer		2012

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Table 5.2 Course specification

Course:		Expert systems and tools for knowledge management				
Course id:	I913					
Number of ECTS:	4					
Teachers:		Ćulibrk R. Dubravko, Mirković R. Milan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		0	2		0	0
Precondition courses		None				
1. Educational goal:						
This course should provide students with an overview of available options in the domain of expert and knowledge-based systems, as well as show them some possible research directions in the field. Students should acquire understanding of proinciples upon which knowledge engineering is based, such as: rules, semantic networks, knowledge acquisition and fuzzy logic.						
2. Educational outcomes (acquired knowledge):						
During the course, students will be introduced to knowledge-based systems, expert systems, intelligent agents and decision support systems. They will learn how to use data mining methods and techniques and how to combine them with knowledge management tools in order to create a knowledge base within the domain in the focus of interest. They will also learn how to use aforementioned methods, techniques and tools to design a recommendation system for that knowledge base.						
3. Course content/structure:						
Introduction to knowledge management. Knowledge management systems. SECI model. IT and knowledge management. Databases and data warehouses. Introduction to data mining. Data retrieval and transformation. Data mining techniques and methods. Expert systems. Business intelligence. Collaborative platforms. Challenges and trends in the domain.						
4. Teaching methods:						
The course comprises classes and computer lab exercises. Knowledge assessment is done through individual project and oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance			Yes	5.00	Theoretical part of the exam	Yes 50.00
Lecture attendance			Yes	5.00		
Project			Yes	40.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Turban E., Sharda R., Delen D.		Decision Support and Business Intelligent Systems		Prentice Hall	2011
2,	Milan Mirković, Dubravko Ćulibrk		Ekspertski sistemi i alati za upravljanje znanjem, elektronska skripta		FTN Novi Sad	2013
3,	Pang-Ning Tan, Michael Steinbach, Vipin Kumar		Introduction to Data Mining		Adison Wesley	2005

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Table 5.2 Course specification

Course:		Automation of production systems management			
Course id:	IM2507				
Number of ECTS:	5				
Teachers:		Bošković M. Dragan, Krsmanović B. Cvijan, Stefanović M. Darko			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
2	0	2	0		1
Precondition courses		None			
1. Educational goal:					
The subject has a goal to offer need knowledge in the field of computer aided production management in industrial production systems, and to prepare students for applications of modern software means and tools dedicated for that aims. After of studying and successfully understanding of the subject, students will to be introduced in area of CAPM technologies and will acquire great volume of knowledge and skills which are applicable in the mentioned field of engineering and practice.					
2. Educational outcomes (acquired knowledge):					
In the result of studying and active participation in teaching process, students would to have need and enough level of training in the field of analysis and design of systems for computer aided production management and their applications in real industrial systems.					
3. Course content/structure:					
Introduction. Basic concepts in the area and their explanations. Goals and major principles of production systems management. Real time and real time management. Effectiveness and integrability of management systems. Information technologies and systems for management support. Major elements of CAPM systems. Principles and means of system analysis. Fundamental laws of industrial production. Principles of transformation of production laws to formal description of management system. Data bases in CAPM systems.Data area with permanent existence. Temporary part of CAPM data base. Implementation of data base. Software support of CAPM - structure and elements. The principles of open system architecture in the case of production management. B2B and similar architectural concepts in production management. Presentation and comparative analysis of some MRP, ERP and CAPM solutions.					
4. Teaching methods:					
Teaching lectures are perform frontal and with using of modern didactic means. Teaching exercises are computer supported and perform in correspondent lab. As a result of team work, students have obligation to accomplish mandatory seminar article.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Oral part of the exam	Yes 50.00
Lecture attendance		Yes	5.00		
Project		Yes	40.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Krsmanović, C.	Automatizacija upravljanja proizvodnim sistemima, udžbenik u pripremi		Fakultet tehničkih nauka	2008
2,	Childe, S. J.	An Introduction to Computer Aided Production Management		Kluwer Academic Pub.	1997
3,	Vollman, T. E.	Manufacturing Planning and Control for Supply Chain Management		Irwin / McGraw-Hill	2005
4,	Groover, M. P.	Automation, Production Systems and Computer Integrated Manufacturing		Prentice Hall Book Company	2007

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Table 5.2 Course specification

Course:		Data Warehouse Design			
Course id:	IM2513				
Number of ECTS:	4				
Teacher:	Ristić M. Sonja				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses		None			
1. Educational goal:					
The course provides students with the knowledge about the principles of design and appliance of data warehouse (DW), emphasizing the significance of strategic analysis of organization for the development of DW system. Through mastering general design methodology and general architecture of DW, students should be able to plan the project of DW development, choose the appropriate architecture components and build DW that will be good basement for quality business intelligence system. Given the extremely dynamic development of commercial tools in this area, an important goal is to enable students to a systematic approach to the study of new tools that will enable them to quickly and easily master their use.					
2. Educational outcomes (acquired knowledge):					
Upon completing this course successfully, students will be able to: formulate problem from Universe of Discourse, design and implement database, model and build the system to carry out analytical data from transactional data, using several methods and techniques, and to build a data warehouse. Student will be introduced with the mechanisms of database management systems aimed at data warehouse system support, and with the techniques for the performance improvement of data warehouse systems.					
3. Course content/structure:					
Introduction to data warehouse systems and business intelligence. Strategical analysis of the organization, data warehouse system development and decision support systems. The complexity of the construction and use of data warehouse systems. Architecture of data warehouse system. Data warehouse design methodology. Meta-data management. Methods and techniques for initially loading and refreshing of data warehouse. Methods and techniques to derive analytical data from transactional data. Data transformation and loading. Data base management system mechanisms to support data warehouse system. Performance, safety and security of data warehouse systems.					
4. Teaching methods:					
Lectures; laboratory exercises; individual consultations; team work on the design of conceptual data base schema; individual work (assignments). Students are encouraged to communicate, to reason critically, to work independently and to contribute actively to teaching process.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Complex exercises		Yes	30.00	Oral part of the exam	Yes 30.00
Computer exercise attendance		Yes	5.00		
Project task		Yes	15.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Mogin, P., Luković, I., Govedarica, M.	Principi projektovanja baza podataka		FTN, Novi Sad	2004
2,	Elmasri R, Navathe S.	Fundamentals of Database Systems, 6/E		Pearson Education Ltd.	2011
3,	Inmon, W.H.	Building the Data Warehouse		Wiley	2005
4,	Kimball R., Ross M., Thornthwaite W., Mundy J., Becker B	The Data Warehouse Lifecycle Toolkit		Wiley	2008

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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	

Table 5.2 Course specification

Course:		Software Quality Assurance			
Course id:	IM2514				
Number of ECTS:	4				
Teachers:		Krsmanović B. Cvijan, Mandić M. Vladimir			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses		None			
1. Educational goal:					
The objective of this course is obtaining of fundamental and applicable knowledge in the field of providing quality software products, as well as enabling students to evaluate software quality.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge during the course and active participation in the lectures, students will be able to use in solving professional problems, designing tasks and selecting software solutions for clear definition.					
3. Course content/structure:					
Management of working result quality and processes in software engineering. Quality dimensions of program products. Requirements of existing quality systems and quality management. Requirements for managed processes. Requirements for type evaluation and quality processes improvement in designing software products. Life cycle of a software product. Essential characteristics of a software product: functionality, reliability, usability, effectiveness, easy to maintain and portability. Evaluation principles of a software product. Need for implementation and classification of quality standards. Standards for designing processes and quality management. Managing development project. ISO 9000 and 9001. ISO 9126, 12207 I 15504.					
4. Teaching methods:					
The classes are realized in the form of lectures, permanent consultations and auditory and computer practical classes. During the course, students are required to finish up to 3 independent tasks within one seminar paper. All practical classes are held in specialized computer classrooms / laboratories.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Oral part of the exam	Yes 50.00
Lecture attendance		Yes	5.00		
Project		Yes	40.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Mandić, V., Krsmanović, C., Rakić – Skoković, M.	Obezbeđenje kvaliteta softverskih proizvoda		FTN, Novi Sad	2013
2,	Tian, J.	Software Quality Engineering: Testing, Quality Assurance, And Quantifiable Improvement		IEEE Computer Society	2005
3,	Galin, D.	Software Quality Assurance: From Theory to Implementation		Addison-Wesley	2003
4,	Schulmeyer, G. G., McManus, J. I.	Handbook of Software Quality Assurance		Prentice Hall, Inc	1998

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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	

Table 5.2 Course specification

Course:		Risk Management						
Course id:	I501							
Number of ECTS:	5							
Teacher:		Beker A. Ivan						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
2		2		0		0	0	
Precondition courses								
1. Educational goal:								
Course purpose and objective is to enable students for identifying and determination of risk level, as well as for defining actions aimed at reducing / eliminating risk.								
2. Educational outcomes (acquired knowledge):								
After the course and passed exam, students will be able analyse actual process (problem) and to define existing risks, determine probability of occurrence of an event and to define actions for reducing / eliminating risk.								
3. Course content/structure:								
Evaluation, Frames and options, Standards, theory, Identification and risk evaluation. Indicators and risk escalators, programs for reducing risk, Event analysis, Application of Monte-Carlo simulations								
4. Teaching methods:								
The course consists of two parts. The first includes theoretical questions, while the second includes auditory and computer practical classes, during which students apply mathematical tools aimed at determination of reliability for the considered element / systems. During the classes lap top presentations are used to provide more precise presentation of the key elements.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory		Yes	70.00
Lecture attendance			Yes	5.00				
Term paper			Yes	20.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Beker Ivan		Upravljanje rizikom (u pripremi)			Fakultet tehničkih nauka, Novi Sad		2008
2,	Evans R.J., Olson L.D.		Symulation and Risk Analysis			Prentica Hall		2002

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Table 5.2 Course specification

Course:		Models of Excellence in Quality Management Systems					
Course id:	I503						
Number of ECTS:	5						
Teachers:		Kamberović L. Bato, Radlovački S. Vladan					
Course status:		Elective					
Number of active teaching classes (weekly)							
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:			
2	2	0	0	0			
Precondition courses							
1. Educational goal:							
Course “Models of Excellence in Quality Management Systems” has a main goal to teach students for application of the principles of various models of business excellence, which originated from the international management standards, experience of their use in practice and trends in the development of a management systems in our country and internationally.							
2. Educational outcomes (acquired knowledge):							
Students obtain practical knowledge on application and significance of models of excellence models, for the purpose of reaching effective and efficient working processes in organizations, primarily in relationship with customers, but also with other interested parties (law maker, local community, shareholders, employees, etc.)							
3. Course content/structure:							
<ul style="list-style-type: none">- Quality management concept development- Comparative overview of different quality definition- Malcolm Baldrige model of excellence (USA)- Demingo`s model of excellence (Japan)- Models of excellence according to ISO 9004- Models of excellence Oscar Quality (Serbia)							
4. Teaching methods:							
The course is realized through auditory lectures accompanied with slides and auditory practical classes which expand solving of problems. Both lectures and practical classes contain number of practical examples.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points	
Exercise attendance		Yes	5.00	Oral part of the exam		Yes	50.00
Lecture attendance		Yes	5.00				
Project		Yes	40.00				
Literature							
Ord.	Author	Title		Publisher		Year	
1,	Grupa autora	Criteria for Performance Excellence (dostupno na internetu za različite tipove organizacija)		Baldrige Performance Excellence Program • NIST		2012	
2,	Grupa autora	Materijali sa Internet prezentacije Evropske organizacije za kvalitet EFQM		EFQM		2012	
3,	Grupa autora	Metode i tehnike unapređenja procesa rada		FTN i IIS-ITC Novi Sad		2012	
4,	Grupa autora	Sistem menadžmenta kvalitetom		FTN-IIS-ITC Novi Sad		2012	

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Table 5.2 Course specification

Course:		Integrated Management Systems				
Course id: I504						
Number of ECTS: 5						
Teachers:		Kamberović L. Bato, Radlovački S. Vladan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		2	0	0		0
Precondition courses						
1. Educational goal:						
The course objective is to teach students for implementation of numerous organization and management systems defined by appropriate standards within one integrated management system.						
2. Educational outcomes (acquired knowledge):						
Students acquire knowledge on purpose, structure, necessary resources and application of operational and management international standards in one managerial system. This knowledge is fundamental in usual manager work in practice.						
3. Course content/structure:						
-ISO 9001 and related standards – common elements- Proces access – ISO 9001 and environmental standards – ISO 9001 and standards for laboratory accreditation – ISO 9001 and food processing standards –ISO 9001 and occupational safety –ISO 9001 and remaining organization and management standards.						
4. Teaching methods:						
Lectures, Auditory (A) and laboratory (L) exercises, Consultation. The rating is based on the success of the laboratory exercises, group assignments, test assignment and an oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance			Yes	5.00		
Term paper			Yes	20.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	B. Kamberović, V. Radlovački, S. Vulanović	Prilaz projektovanju integrisanih sistema menadžmenta - skripta			IIS-Istraživački i tehnološki centar Novi Sad	2008
2,	Bato Kamberović, Vladan Radlovački, Edita Hekelova	Integrirani sistemi menadžmenta			Fakultet tehničkih nauka, Novi Sad	2009
3,	Grupa autora	Metode i tehnike unapređenja procesa rada			Fakultet tehničkih nauka, IIS - Istraživački i tehnološki centar, Novi Sad	2012
4,	Grupa autora	Sistem menadžmenta kvalitetom			Fakultet tehničkih nauka, IIS - Istraživački i tehnološki centar, Novi Sad	2012

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Table 5.2 Course specification

Course:		Spare parts management				
Course id:	I841					
Number of ECTS:	5					
Teachers:		Beker A. Ivan, Šević D. Dragoljub				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		0	2		0	0
Precondition courses		None				
1. Educational goal:						
The goal of the course is that students understand the difference between the circumstances and procedures for inventory management of spare parts and supplies for production. The goal is for students to gain the knowledge necessary to identify all the key circumstances affecting the management of spare parts and to manage the inventory of spare parts in a way that will respect the circumstances and constraints, and will be accomplished two of the main objectives of maintenance - minimal cost for inventory of spare parts and minimal delay in the elimination of failure as a result of the lack of spare parts in stock.						
2. Educational outcomes (acquired knowledge):						
After completing courses and passing the exam, students will be able to define the process of spare parts inventory management, to prepare plans of spare parts, which will ensure the minimal cost of invested money for spare parts and maximum availability of maintained equipment.						
3. Course content/structure:						
Need for an inventory of spare parts, costs incurred due to the existence of inventories, costs incurred as a result of the lack of spare parts inventories, difference between the inventory management of spare parts and inventory management of raw materials, spare parts classification, classification of maintenance activities, development of maintenance activities plans, development of spare parts plans, criteria for determining the successful practices of inventory management of spare parts, control of spare parts inventory levels, information system for spare parts management						
4. Teaching methods:						
Teaching is conducted through auditory lectures are accompanied by slides and exercises that further elaborate on solving specific problems. Both lectures and exercises are accompanied by a number of practical examples.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance			Yes	5.00		
Term paper			Yes	20.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Ivan Beker, Dragoljub Šević		Upravljanje rezervnim delovima, skripte sa predavanja		Fakultet tehničkih nauka	2014
2,	Mobley R. Keith		Total plant performance management		Gulf Publishing Company	1999
3,	Kenichi Seine, Keisuke Arai		TPM for the lean factory		Productivity Press	1998

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Table 5.2 Course specification

Course:		Process approach and quality				
Course id: I912						
Number of ECTS: 4						
Teachers:		Kamberović L. Bato, Radlovački S. Vladan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		1	1		0	0
Precondition courses		None				
1. Educational goal:						
The Process Approach and Quality has a main goal to train students for effective application of process approach in their daily work. Systematic management is a necessary prerequisite for the provision of permanent survival and development of the organization. Using the process approach, as one of the principles of management, provides a systematic, comprehensive and thorough insight into the processes of the organization, which is a prerequisite for sustainable management.						
2. Educational outcomes (acquired knowledge):						
The candidate gets theoretical and practical knowledge related to the introduction of process approach in the organization. In addition to designing and implementing ways, the student gets insight into the advantages of the applied process approach for improvement of the process, the process review and making changes in the process caused by various factors.						
3. Course content/structure:						
"- Basic concepts						
- Process approach as a management principle and relationship to other principles of management.						
- The elements of the process - inputs - activities - outputs - goals - performance - resources - impacts						
- The division of processes by different criteria						
- Control Processes						
- Basic Processes						
- Support Processes						
- The system of process performances						
- Quality control of the process by the elements"						
4. Teaching methods:						
Lectures. Auditory (A) and laboratory (L) exercises. Consultation. The rating is based on the success of the laboratory exercises, group assignments, test assignment and an oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Oral part of the exam	Yes 50.00
Lecture attendance			Yes	5.00		
Project			Yes	40.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Peterson, A.J.	Jump start your process approach			QSU publishing company	2003
2,	Radović, M.M., Karapandžić S. Z.	Inženjering procesa			Fakultet organizacionih nauka, Beograd	2005
3,	Grupa autora	Metode i tehnike unapređenja procesa rada			Fakultet tehničkih nauka, IIS - Istraživački i tehnološki centar, Novi Sad	2012
4,	Vladan Radlovački	Opšti procesni model i ocenjivanje efikasnosti sistema menadžmenta kvalitetom u skladu sa zahtevima serije standarda ISO 9000			Fakultet tehničkih nauka, Novi Sad	2011
5,	Grupa autora	Sistem menadžmenta kvalitetom			Fakultet tehničkih nauka, IIS - Istraživački i tehnološki centar, Novi Sad	2012

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	<h2 style="margin: 0;">Study Programme Accreditation</h2>	
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Table 5.2 Course specification

Course:		Professional Practice				
Course id:	I823					
Number of ECTS:	3					
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		3
Precondition courses						
None						
1. Educational goal:						
One of the integral segments of the curriculum for the study programme Regional Policies and Development is professional practice carries out in adequate scientific and research institutions, relevant city and provincial institutions dealing with activities relevant to acquire adequate practical experience in regional planning and regional development. The objective of professional practice is to acquire direct and practical knowledge on the functioning and organization of institutions and establishments dealing with jobs within the profession for which the student is being educated and the possibility of applying the previously acquired knowledge in practice.						
2. Educational outcomes (acquired knowledge):						
<div>- Educating students to apply previously acquired theoretical and professional knowledge for solving concrete practical problems of regional planning and development within the selected institution or establishment.</div> <div>- Getting students acquainted with the activities of the selected institution or establishment, their business manners, management and employees' roles in adequate fields and their organization structures.</div> <div>- Acquired professional knowledge students will apply in further education and further practice (professional work).</div>						
3. Course content/structure:						
The content of professional practice is created for each candidate separately, in agreement with the management of the institution or establishment in which the practice is performed, and in accordance with demands of the profession for which the student is being educated.						
4. Teaching methods:						
Practical work, tutorials and writing a professional practice diary in which students describe activities and jobs they performed during professional practice.						
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

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Table 5.2 Course specification

Course:		Study-Research Work on the Master Thesis Theoretical Framework				
Course id:	SIM01					
Number of ECTS:	15					
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:						
2. Educational outcomes (acquired knowledge):						
3. Course content/structure:						
4. Teaching methods:						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Literature						
Ord.	Author	Title		Publisher	Year	

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Table 5.2 Course specification

Course:		Master Thesis			
Course id:	I822				
Number of ECTS:	15				
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	5	
Precondition courses					
None					
1. Educational goal:					
Master thesis objectives refer to very detailed and overall research in certain scientific discipline. Simultaneously, one of the objectives is to employ contemporary methodology in research and data analyses, as well as to adequately present results in the form of scientific writing. In addition, Master thesis objective is to educate students for challenges of contemporary regional development of European space.					
2. Educational outcomes (acquired knowledge):					
An outcome of Master thesis is presented in obtaining an original scientific paper whose results should provide certain contribution in later more detailed and serious research in the set scientific discipline, that is, regional policies and development. It is also to enable graduate Master student for the role of an analyst and evaluator of regional development strategies and policies in Europe, as well as adequate preparation for the work in educational and scientific institutions.					
3. Course content/structure:					
Master thesis presents a student's research paper in which they are introduced to research methodology in the field of regional and inter-regional cooperation and development. The student has the obligation, on performing field experimental research, to write a final paper in the form containing the following chapters: Introduction, Theoretical part, Experimental part, Results and discussion, Conclusions and Literature. Topics and contents of final-Master papers that would be elaborated and defended within the study programme Regional Policies and Development, could include more scientific fields and disciplines: -Sustainable regional development -Globalization and regional cooperation -Marketing and communication strategies for regional development -Inter-regional projects and project management -economics of regional development -urban planning and city management -GIS application -Human resources management -Tourism as regional development factor -Perspectives in regional development in Europe					
4. Teaching methods:					
The method for elaborating Master thesis should include the preparation phase (title definition, content, methodology determination, primary sources), followed by research and field work (field research, data acquisition and database formation, etc. and the like) and the final phase – classroom work (obtained data analysis and definition, writing Master thesis text body and final tutorials with the supervisor). It is compulsory to defend the Master thesis in front of the officially appointed committee.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Oral part of the exam				No	100.00

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Table 5.2 Course specification

Course:		Sustainable production			
Course id:	I911				
Number of ECTS:	5				
Teachers:		Dudić P. Slobodan, Šešlija D. Dragan, Šormaz N. Dušan			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses		None			
1. Educational goal:					
The goal of course is the skills needed to develop energy-efficient production and to adjust production changes in the course of the product life cycle as a function of the changing demands of the market and the demands of the environment during operation.					
2. Educational outcomes (acquired knowledge):					
Subject outcomes is knowledge related to energy and material efficient production. The acquired engineering knowledge related to energy efficiency, rational use of material resources and the development of clean technologies.					
3. Course content/structure:					
Introduction to sustainable production and historical development of the concept. The principles of sustainable production, voluntary adoption motivators and business issues of production sustainability. Life cycle assessment of products and production processes - LCA. Cleaner production and cleaner technology. Energy conservation and energy efficiency. Efficient use of material resources. Sustainable energy production. Sustainable production and consumption of food. Sustainable forest management and sustainable production of wood products.					
4. Teaching methods:					
Teaching is done through lectures and laboratory exercises. Student examination is carried out through tests. Independent preparation and defense of the project task is a key part of the verification capabilities of solving engineering tasks.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise attendance		Yes	5.00	Coloquium exam	No 20.00
Lecture attendance		Yes	5.00	Coloquium exam	No 20.00
Project		Yes	20.00	Theoretical part of the exam	Yes 70.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Weizsäcker, E. U., Lovins, A. B. and Lovins, L. H.	Factor Four: Doubling Wealth, Halving Resource Use		Earthscan Publications Ltd, London	1998
2,	DesJardin, J. R.	Business, Ethics and the Environment: Imagining a Sustainable Future		Pearson Educational, New Jersey	2007
3,	Lebel, L., Lorek, S. and Rajesh Daniel	Sustainable Production Consumption Systems: Knowledge, Engagement and Practice		Springer	2006
4,	Jankes, G. i dr.	Priručnik za poboljšanje energetske efikasnosti i racionalnu upotrebu energije u industriji		Inovacioni centar Mašinskog fakulteta u Beogradu	2009
5,	Dragan Šešlija	Održiva proizvodnja - skripte		FTN, Novi Sad	2011

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Table 5.2 Course specification

Course:		Enterprise integration			
Course id:	I905				
Number of ECTS:	4				
Teacher:	Tešić M. Zdravko				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	1	
Precondition courses					
1. Educational goal:					
The aim is to master the basic concepts and approaches that allow the definition of the global architecture of the system, the consistency in decision making across the business system, process monitoring, dynamic allocation of resources as well as the consistency of data and tools for supporting the integration of various entities in enterprise life cycle architecture.					
2. Educational outcomes (acquired knowledge):					
Students will be able to create models of the various entities in the company in order to build a complete representation of the company, which consists of the definition of the mission, strategy, key performance indicators (KPI), business processes and competencies and their relations to improve the synergy within the enterprise and achieve mission and vision in an effective and efficient manner. In addition, students will be able to use the tools that allow companies to share key information / knowledge to achieve business process coordination and cooperative decision-making, and achieve enterprise integration.					
3. Course content/structure:					
Basic concepts and definitions. Enterprise architecture. Architectures for enterprise integration. CIMOSA and GRAI concepts. ARIS approach for modeling and integration of business processes. Reference model of enterprise integration. A-R approach to integration and enterprise modeling. PLM as a concept of enterprise integration. Enterprise interoperability - the basic framework. Information technologies in enterprise integration. Enterprise systems and their integration (ERP, SCM, BPMS). Practical examples of processes integration in the enterprise.					
4. Teaching methods:					
Lectures and laboratory exercises are performed in the specific lab with a demonstration of the application of various methods and software solutions for the integration of business processes and enterprise systems in realistic conditions.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 50.00
Lecture attendance		Yes	5.00		
Project		Yes	30.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Tešić, Z.	Informacioni sistemu u PLM – skripta		Fakultet tehničkih nauka	2011
2,	Wing, L.	Enterprise architecture and Integration		IGI Global	2007
3,	Vernadat, F.B.	Enterprise Modelling and Integration Principles and Application		Chapman and Hall	1996
4,	Lefeber, E., Roorda, J	Modeling and analysis of manufacturing systems		FU Press	2006
5,	Sherif, M.H.	Handbook of Enterprise Integration		Anerbach Pub	2009

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering	
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Table 5.2 Course specification

Course:		New technologies in engineering and management			
Course id:	IM2103				
Number of ECTS:	5				
Teachers:		Buchmeister S. Borut, Maksimović M. Rado, Šešlija D. Dragan, Katalinić -. Branko, Xu Z. Ming, Dudić P. Slobodan, Marić B. Branislav			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
2		2	0	0	1
Precondition courses		None			
1. Educational goal:					
The overall objective of this course is to achieve new technologies to understand the place, role, importance and applicability of new technologies in various fields of engineering management. In this sense, the goal of the course is to develop in students the ability to: (1) understanding the basic concepts of new (info, nano, bio) technology, (2) selection of technologies depending on the context and the problems observed, (3) understanding the philosophy of technology from scientific breakthrough to innovation (4) the relationship between knowledge and innovation in technology development and (5) the role of technology in society and knowledge (6) prediction technology trends in the next XX years.					
2. Educational outcomes (acquired knowledge):					
Students who attend lecturs, make their exam prerequisites and pass the exam are able to: (1) understand the basic concepts of new (info, nano, bio) technology, (2) connect elements of the development of new technologies with business strategy, (3) manage knowledge for innovation and propose strategies for the protection of intellectual property rights, (4) propose a conceptual solution and as part of a multidisciplinary team (from position product managers, engineers and logistics progressing civilization, technology entrepreneurs) be a part of their implementation.					
3. Course content/structure:					
What is technology? Classification of technology. Kondratief cycle. 3O technology: info, bio, nano. The connection between knowledge and innovation technologies. Knowledge management for innovation. Application of new technologies in various fields of engineering management. The challenges of the 21st century. Globalization. Sustainability. Energy. City of the Future. Mobility. Communication. Example of new technologies developed in Serbia: speech technologies.					
4. Teaching methods:					
Lessons are conducted through lectures and exercises. Lectures are auditory and combine theory with practical examples that are the basis for discussion. Lectures are partly carried by guest speakers - most experts in a particular technology from the academic and business environments. In the exercises, the work will be done in groups or individually. Part of the curriculum will be implemented by visiting fairs, organizations and companies.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Oral part of the exam	Yes 70.00
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Tekić Željko	Nove tehnologije u inženjerstvu i menadžmentu - skripte		FTN, Novi Sad	2013
2,	Vladimir Milačić	Menadžment tehnologija		Prometej, Novi Sad	2003
3,	EPO	Priručnik za nastavu o patentima		Zavod za intelektualnu svojinu R Srbije	2011
4,	Hans-Jorg Bullinger	Technology Guide - Principles, applications, trends		Springer	2009
5,	Georg Brener	Management in 20xx		Siemens	2004

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Table 5.2 Course specification

Course:		Motion control				
Course id:	H845					
Number of ECTS:	4					
Teachers:		Stankovski V. Stevan, Ostojić M. Gordana, Ivandić I. Željko, Đurić M. Nikola				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		0	2	0		0
Precondition courses						
1. Educational goal:						
The aim of the course is to master the knowledge necessary for the design and implementation of systems for motion control.						
2. Educational outcomes (acquired knowledge):						
Outcomes of the subject are skills that primarily cover the area of linear motion control and include sensors, actuators and control algorithms used in manipulation devices, machines and systems.						
3. Course content/structure:						
Introduction to motion control. Defining basic categories of industrial motor control systems (sequential, control the speed, control from point to point, incremental changes). Linear motion systems with servo pneumatics. Linear motion systems with servo hydraulics. Linear motion systems with DC motors. Linear motion systems with AC motors. Linear motion systems with servo motors. Proximity sensors. Position sensors. Pressure sensors. Speed sensors. Flow sensors. Other significant industrial sensors.						
4. Teaching methods:						
Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Knowledge testing is carried out through two tests and the final exam, while before that student has to do all the exercises provided. The final exam is in written form.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance			Yes	5.00	Coloquium exam	No 20.00
Test			Yes	10.00	Coloquium exam	No 20.00
Test			Yes	10.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Tan K. K., T. H. Lee and S. Huang	Precision motion control: Design and implementation, 2nd ed.			London, Springer	2008
2,	Robert H. Bishop	The Mechatronics Handbook			CRC PRESS	2002
3,	Andrzej Pawlak	Sensors and Actuators in Mechatronics, Design and Applications			Taylor & Francis	2007
4,	Stankovski, S.	Upravljanje kretanjem - u pripremi			FTN	2012

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Table 5.2 Course specification

Course:		Energy efficiency of compressed air systems			
Course id:	I830				
Number of ECTS:	5				
Teachers:	Dudić P. Slobodan, Šešlija D. Dragan, Šormaz N. Dušan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses					
1. Educational goal:					
The goal of course is basic knowledge about energy efficiency, which allows the student to independently perform engineering analysis of energy efficiency of compressed air systems and methods for increasing the energy efficiency of these systems. Industrial engineers should acquire competence to independently design energy efficient compressed air systems.					
2. Educational outcomes (acquired knowledge):					
Students will be able to perform an analysis of energy efficiency of compressed air system and to implement measures that lead to an increase in energy efficiency in the processes of production, distribution and consumption of compressed air. Students should be able to design energy efficient compressed air systems.					
3. Course content/structure:					
Introduction to the energy efficiency of compressed air systems. Energy efficiency in the production and preparation of compressed air. Selection of energy efficient pneumatic components. Energy-efficient control of pressure and speed. Optimization of the vacuum systems. Energy efficient control circuits.					
4. Teaching methods:					
Classes include lectures on the subject with examples of energy efficient compressed air systems. The laboratory exercises have to encourage teamwork, by working on practically oriented tasks related to the problems of increasing energy efficiency of compressed air. The entire exercises are computer supported.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 50.00
Laboratory exercise defence		Yes	40.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Jankes, G. i dr.	Priručnik za poboljšanje energetske efikasnosti i racionalnu upotrebu energije u industriji		Mašinski fakultet u Beogradu	2009
2,	Šešlija D, Ignjatović I, Dudić S, Lagod B	Potential energy savings in compressed air systems in Serbia		African Journal of Business Managagement	2011
3,	Ignjatović I, Šešlija D, Tarjan L, Dudić S	Wireless sensor system for monitoring of compressed air filters		Journal of Scientific and Industrial Research	2012
4,	V, Šešlija D, Stojiljković M	Cost effectiveness of restoring energy in execution part of pneumatic system		Journal of Scientific and Industrial Research	2011
5,	Ignjatović I, Komenda T, Šešlija D, Malisa V	Optimisation of compressed air and electricity consumption in a complex robotic cell		Robotics and Computer-integrated Manufacturing	2012

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	<h2>Study Programme Accreditation</h2>	
	<p>MASTER ACADEMIC STUDIES</p>	<p>Industrial Engineering</p>

Table 5.2 Course specification

Course:		Data mining methods				
Course id: I835						
Number of ECTS: 4						
Teachers:		Čulibrk R. Dubravko, Mirković R. Milan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		0	2		0	0
Precondition courses						
1. Educational goal:						
To impart basic knowledge in the domain of data mining.						
2. Educational outcomes (acquired knowledge):						
Upon successful completion of the course the students will have acquired knowledge and skills that will enable them to efficiently apply basic techniques of artificial intelligence and machine learning to mine data. They will be introduced to various aspects of computers as data mining tools, structural pattern discovery, presentation and use of knowledge discovered.						
3. Course content/structure:						
The course will cover the following areas: an overview of the basic concepts of data mining, data sources and preprocessing, decision trees, neural networks, support vector machines, clustering, time series analysis. Theoretical instruction will be accompanied by practical training in the use of open source data mining solutions.						
4. Teaching methods:						
Auditory and laboratory, semestral paper and oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Project			Yes	40.00	Oral part of the exam	Yes 60.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	Dubravko Čulibrk, Milan Mirković		Osnovi eksploatacije i istraživanja podataka, skripta		FTN Novi Sad	2012
2,	Ian H. Witten, Eibe Frank, Mark A. Hall		Data Mining: Practical Machine Learning Tools and Techniques		Morgan Kaufmann	2011

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Table 5.2 Course specification

Course:		Software testing principles and methods			
Course id:	IM2522				
Number of ECTS:	4				
Teacher:	Mandić M. Vladimir				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses					
1. Educational goal:					
The goal of course Software testing principles and methods is: (1) understanding of basic concepts, principles and methods of software testing, (2) integration of knowledge gained in the completion of cases involving security and quality control of software products, (3) identification and selection of business domains and application of appropriate methods. The aim of the course is also to enable the engineer to manage, recognize the weaknesses and improve the process of software testing within the project and / or company.					
2. Educational outcomes (acquired knowledge):					
Students that attend the course and pass the exam are able to: (1) understand the basic concepts, principles and methods of software testing, (2) use tools to support testing, (3) draw conclusions, propose and compare different strategies and approaches, (4) form an action plan to improve the testing process, and (5) participate in the implementation of the strategy in the company from the position of leading engineer or analysts.					
3. Course content/structure:					
Introduction: Principles of testing. Testing throughout the software life-cycle: Testing in different models of software development (waterfall model, V-model, iterative model ...). Static testing: Review of project documentation. Static analysis tools. Test design techniques: Test development process. Techniques based on the specification. Techniques based on the structure of the code. Management of testing: Development strategies and approaches to software testing. Defining measures of effectiveness. Resource management. Testing support tools: Types and classification of tools according to the method of application. Improving the process of software testing: Different methods for improving the process of software testing.					
4. Teaching methods:					
Classes include lectures on the subject with examples of different principles and methods of software testing and evaluation and selection of the applied methods. Some lectures are held by experienced executives in the role of guest lecturers. Students are encouraged to work in groups. Exercises are performed with the help of computers.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 20.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 30.00
Project task		Yes	15.00		
Project task		Yes	15.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Rakić-Skoković, M.	Priručnik za testiranje softvera		FTN, Novi Sad	2013
2,	Hambling, B. et all	Software testing		BCS	2010
3,	Koomen, T., Pol, M.	Test Process Improvement		Addison-Wesley	1999
4,	Van Veenendaal, E.	The Testing Practitioner		UTN	2004

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Table 5.2 Course specification

Course:		Maintenance effectiveness					
Course id: I843							
Number of ECTS: 5							
Teachers:		Beker A. Ivan, Kamberović L. Bato					
Course status:		Elective					
Number of active teaching classes (weekly)							
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:
2		0		2		0	0
Precondition courses							
1. Educational goal:							
The goal of the course is to teach students how to identify objectives of maintenance and how to align with the objectives of the entire organization, and then to identify the factors that affect the defined objectives and values ??that can be measured in order to determine the extent to which the objectives are met.							
2. Educational outcomes (acquired knowledge):							
After completing courses and passing the exam, students will be able to define the objectives of maintenance that are in line with the objectives of the whole organization, to define a procedure that will present exact way to determine the extent of achieving defined objectives, and procedures that will ensure the collection of data necessary to calculate the level of achieving those objectives							
3. Course content/structure:							
The purpose of maintenance, maintenance objectives and objectives of the organization and the procedure for determining the realization of the objectives, define the values required for determining the successfulness of maintenance, defining the procedure for the collection of those values, controlling the implementation of the defined process, identifying problems and collecting and systematizing knowledge, improvement of the process of determining the effectiveness of maintenance							
4. Teaching methods:							
Teaching is done through auditory lectures are accompanied by slides and exercises that further elaborate on solving specific problems. Both lectures and exercises are accompanied by a large number of practical examples.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance			Yes	5.00			
Term paper			Yes	20.00			
Literature							
Ord.	Author	Title			Publisher		Year
1.	Ivan Beker, Dragoljub Šević	Uspešnost održavanja, skripte sa predavanja			Fakultet tehničkih nauka		2013

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Table 5.2 Course specification

Course:		Lean Maintenance			
Course id:	IM2620				
Number of ECTS:	4				
Teachers:		Beker A. Ivan, Šević D. Dragoljub			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses					
1. Educational goal:					
The subject introduces students to the basics underlying Toyota's production system and with all the key elements of this approach, and trains students in the application of these elements on the maintenance activities.					
2. Educational outcomes (acquired knowledge):					
After completing courses and passing the exam, students will be able to identify all the losses that occur during maintenance activities (7 +1 Toyota's losses) and to identify possible improvements that will mitigate these losses.					
3. Course content/structure:					
History of Lean. Basics of Lean. Lean production and lean maintenance. Total Productive Maintenance and Lean maintenance. Elements of Reliability Based Maintenance and lean maintenance. Transformation in maintaining lean maintenance. Elements of Lean in maintainance (eliminating losses, 5S, poka-yoke, kaizen. Documentation in lean maintenance.					
4. Teaching methods:					
Lectures, exercises, consultations. The exam is written.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Smith, R., Hawkins B.	Lean maintenance : reduce costs, improve quality, and increase market share		Lean maintenance : reduce costs, improve quality, and increase market share	2004
2,	Womack, J. P., Jones, D. T.	Lean Thinking: Banish Waste and Create Wealth in Your Corporation		Simon & Schuster	1996
3,	Willmott, P., McCarthy, D.	TPM - A Route to World-Class Performance		Butterworth-Heinemann	2001
4,	Borris, S.	Total Productive Maintenance		McGraw-Hill	2006
5,	Kister, T. C., Hawkins, B.	Maintenance Planning and Scheduling - Streamline Your Organization for a Lean Environment		Elsevier Butterworth-Heinemann	2006



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 06. Programme Quality, Contemporaneity and International Compliance

Academic study program Master of Industrial Engineering studaja complies with European and international educational and scientific developments and the situation in the field of industrial engineering profession, and is comparable with similar programs at foreign institutions of higher education, namely:

1. <eng>North Dakota State University
Fargo, ND, USA

http://www.ndsu.edu/ime/graduate_education/course_description/ </eng>

Master study program of industrial engineering <eng>North Dakota State University</eng> largely coincides with the study program Industrial Engineering, on the Faculty of Technical Sciences. The above study program includes academic groups <eng>Industrial and Systems Engineering i Production and Manufacturing Engineering</eng>, which is, to a large extent, consistent with the study program Industrial Engineering, Faculty of Engineering.

2. <eng>Technische Universität Darmstadt
Darmstadt, Germany

[h t t p : / / w w w . e t i t . t u - darmstadt.de/studium_1/studiengnge/bachelormasterstudiengangwirtschaftsingenieurwesenelektrotechnikwiet/wi_etit.en.jsp](http://www.etit.tu-darmstadt.de/studium_1/studiengnge/bachelormasterstudiengangwirtschaftsingenieurwesenelektrotechnikwiet/wi_etit.en.jsp) </eng>

It is obviously that master study program <eng>Informations-und Kommunikationstechnik sa Technische Universität Darmstadt</eng> very similar to the our programmes Design, organization and management systems and Automation of working processes.

3.<eng>Chalmers University of Technology
Göteborg, Sweden

<http://www.chalmers.se/en/education/programmes/masters-info/Pages/Production-Engineering.aspx> </eng>. It is obviously that master study program <eng>Production engineering sa Chalmers University of Technology</eng> very similar to the our programmes Automation of working processes and Quality and logistics.

4. <eng>Technical University of Eindhoven,
Eindhoven, Netherlands

<http://www.tue.nl/studeren/tue-graduate-school/masteropleidingen/business-information-systems/de-masteropleiding/></eng>

It is obviously that master study program <eng>Business information systems sa Technical University of Eindhoven</eng>, very similar to the our programme Information management and communication systems.

Besides, above mentioned study programmes, study programme Industrial engineering is similar to: <eng>

<http://www.mmm.northwestern.edu/academics/Major.html>

<https://engineering.purdue.edu/ProEd/credit/msie>

http://www.nuigalway.ie/industrial_engineering/MA_Applied_Science.html </eng>

Study program of Industrial Engineering is designed to provide a complete and comprehensive education to students and the latest scientific and technical knowledge and skills in these areas, with particular emphasis on the development of creative skills and autonomy in professional and research.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 07. Student Enrollment

Faculty of Technical Sciences, in accordance with social needs and their resources, on the Master studies of Industrial Engineering, as budget financed and self-financed, involve the vertain number of students who, each year, defined by a special decision of the Teaching and Research of the Faculty Council and the founder. Selection of students and enrollment of candidates is done based on success in previous studies and achieved success on the entrance exam, which is defined in the Regulations on student enrollment in courses.

Students from other study programs as well as other individuals who have completed undergraduate studies may enroll in this degree program. The Evaluation Committee (composed of all the heads of departments involved in the implementation of the program of studies and head of the study program) evaluate all deposited items and other relevant activities of candidates for admission on the basis of a recognized number of points determines whether a student can be enrolled in graduate studies selected study group. Deposited items and activities are evaluated at the same time fully acknowledged, recognized in part with an appropriate amendment or not recognized.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 08. Student Evaluation and Progress

The final score on each of the subjects of this program is formed by continuous monitoring of the work and results of students in attendance during the semester and the final exam.

Student overcomes study program examinations, which achieves a certain number of ECTS credits, in accordance with the Curriculum. Every single subject has the specific number of ECTS that a student acquires when successfully pass the exam. ECTS is determined based on the workload students in mastering a subject and using a uniform methodology Faculty of Engineering, for all study programs. Student success in mastering a particular subject is continuously monitored during school hours and is expressed in points. The maximum number of points that a student can achieve in the case is 100.

Student achieves points on the subject through the work on the course and exam prerequisites by completing and passing the exam. The minimum number of points that a student can earn by completing pre-exam teaching duties during the 30 and 70 maximum.

Each subject in the study program have published a clear way of acquiring points that includes points that a student gets from each activity defined curriculum courses (syllabus) or the execution of preceding duties and taking exams.

Total student success in academic subject is expressed from grade 5 (failed) to 10 (excellent). The rating is based on the students total number of points earned by a student completing exam prerequisites and passing the exam, according to the quality of the acquired knowledge and skills.

Each student have to achieve at least 15 points as the exam prerequisites. The additional requirements for the exam syllabuses are defined for each subject individually.

Progress of the student is defined in the Rules of studying at master studies.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 09. Teaching Staff

For the realization of the Master study program in Industrial Engineering teachers with the necessary professional and academic qualifications are involved.

Number of teachers meets the needs of the study program and the number of courses and number of hours of instruction in these subjects. The total number of teachers is sufficient for the realization of the total number of classes in the study program, so that they generate on average 180 hours a year (lectures, consultations, exercises, practical work, ...), or an average of 6 hours a week. Not one teacher does not take more than 12 hours per week. Of the total number of teachers needed more than 70% are employed full-time at the Faculty of Engineering.

Number of staff meets the needs of the study program. The total number of staff in the study program is sufficient for the realization of the total number of hours of instruction in the program, so that co-workers achieved an average of 300 hours of lectures a year, or an average of 10 hours a week. Not one contributor does not take more than 20 hours per week.

Scientific and professional qualifications of the teaching staff educationally appropriate scientific field, the field and the level of their indebtedness. Every teacher has at least five references from specific scientific or technical fields in which he teaches in the study program.

Lecture group size is up to 32 students, group exercises for up to 16 students and a group of laboratory and computer exercises to 8 students.

All informations about teachers and assistants (CV, elections in the title, references) are available to the public through the website of the Faculty of Engineering and other forms of public scrutiny.

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Science, arts and professional qualifications



Name and last name:	Buchmeister S. Borut		
Academic title:	Guest Professor		
Name of the institution where the teacher works full time and starting date:	-		
Scientific or art field:	Production Systems, Organization and Management		
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1996	Faculty of Mechanical Engineering, University of Maribor - Maribor	Production Systems, Organization and Management
Magister thesis	1990	Faculty of Mechanical Engineering, University of Maribor - Maribor	Production Systems, Organization and Management
Bachelor's thesis	1986	Faculty of Mechanical Engineering, University of Maribor - Maribor	Production Systems, Organization and Management

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

	ID	Course name	Study programme name, study type
1.	M316	Production Systems	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1106	Business Process Simulation	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1118	Business Productivity Tools	(I20) Engineering Management, Undergraduate Academic Studies
5.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
6.	I071B	Strateško upravljanje projektima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
7.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
8.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)

1.	PANDŽA, Krsto, POLAJNAR, Andrej, BUCHMEISTER, Borut, THORPE, Richard. Evolutionary perspectives on the capability accumulation process. Int. j. oper. prod. manage., 2003, vol. 23, no. 8, str. 822-849. [COBISS.SI-ID 8111638], [JCR, WoS do 6. 12. 2011: št. citatov (TC): 9, čistih citatov (CI): 9, normirano št. čistih citatov (NC): 35, Scopus do 17. 6. 2012: št. citatov (TC): 11, čistih citatov (CI): 11, normirano št. čistih citatov (NC): 43]
2.	BUCHMEISTER, Borut, KREMLJAK, Zvonko, PANDŽA, Krsto, POLAJNAR, Andrej. Simulation study on the performance analysis of various sequencing rules. Int. j. simul. model., June/September 2004, vol. 3, no. 2/3, str. 80-89. [COBISS.SI-ID 9075990]
3.	PANDŽA, Krsto, POLAJNAR, Andrej, BUCHMEISTER, Borut. Strategic management of advanced manufacturing technology. Int. j. adv. manuf. technol., 2005, vol. 25, 3/4, str. 402-408. http://dx.doi.org/10.1007/s00170-003-1804-x . [COBISS.SI-ID 9383190], [JCR, WoS do 6. 5. 2011: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 9, Scopus do 10. 9. 2012: št. citatov (TC): 14, čistih citatov (CI): 13, normirano št. čistih citatov (NC): 23]
4.	KREMLJAK, Zvonko, POLAJNAR, Andrej, BUCHMEISTER, Borut. Heuristični model razvoja proizvodnih zmogljivosti = A heuristic model for the development of production capabilities. Stroj. vestn., 2005, letn. 51, št. 11, str. 674-691. [COBISS.SI-ID 8659739], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 8, Scopus do 18. 6. 2012: št. citatov (TC): 7, čistih citatov (CI): 6, normirano št. čistih citatov (NC): 9]
5.	TASIČ, Tadej, BUCHMEISTER, Borut, AČKO, Bojan. Razvoj naprednih metod za vodenje proizvodnih postopkov = The development of advanced methods for scheduling production processes. Stroj. vestn., 2007, letn. 53, št. 12, str. 844-857. [COBISS.SI-ID 12075030], [JCR, WoS do 6. 12. 2011: št. citatov (TC): 9, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 11, Scopus do 1. 8. 2012: št. citatov (TC): 9, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 11]

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>				
Representative references (minimum 5, not more than 10)					
6.	KREMLJAK, Zvonko, BUCHMEISTER, Borut. Uncertainty and development of capabilities, (DAAAM Publishing series, Management Science). Vienna: DAAAM International Publishing, 2006. X, 143 str., graf. prikazi. ISBN 3-901509-55-0. [COBISS.SI-ID 57398785]				
7.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Proizvodni menedžment. Ponatis. V Mariboru: Fakulteta za strojništvo, 2005. VI, 415 str., 28 str. pril., ilustr., preglednice. ISBN 86-435-0379-7. [COBISS.SI-ID 54649089]				
8.	BUCHMEISTER, Borut, PANDŽA, Krsto, PALČIČ, Iztok. Idejna študija o ustanavljanju regionalnega logističnega centra za vzdrževanje in popravila vojaških in namenskih vozil. Maribor: Fakulteta za strojništvo, 2002. 28, 6 f. pril., ilustr. [COBISS.SI-ID 7612438]				
9.	PALČIČ, Iztok, BALAŽIČ, Matej, MILFELNER, Matjaž, BUCHMEISTER, Borut. Potential of laser engineered net shaping (LENS) technology. Mater. manuf. process., 2009, vol. 24, no. 7/8, str. 750-753, doi: 10.1080/10426910902809776. [COBISS.SI-ID 13243670], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 5, Scopus do 8. 8. 2012: št. citatov (TC): 7, čistih citatov (CI): 6, normirano št. čistih citatov (NC): 6]				
10.	PALČIČ, Iztok, BUCHMEISTER, Borut, POLAJNAR, Andrej. Analysis of innovation concepts in Slovenian manufacturing companies. Stroj. vestn., 2010, vol. 56, no. 12, str. 803-810. http://www.svjme.eu/scripts/download.phpfile=/data/upload/2010/12/03_2010_083_Palcic_3k.pdf . [COBISS.SI-ID 14634774], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 7, čistih citatov (CI): 7, normirano št. čistih citatov (NC): 8, Scopus do 17. 10. 2012: št. citatov (TC): 8, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 9]				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		43			
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Xu Z. Ming	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Proizvodni sistemi, organizacija i menadžment-strateški menadžment	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Proizvodni sistemi, organizacija i menadžment-strateški menadžment
PhD thesis	2000		Engineering Management
Magister thesis	1993		Engineering Management
Bachelor's thesis	1982	Glorius Sun School of Buisness & Managament, Donghua University, Shanghai - Shanghai	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1026	E-Business	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1319	Platforms and systems for knowledge transfer	(I20) Engineering Management, Undergraduate Academic Studies
4.	MBA601	Applied use of IT and Internet in business	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
5.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
6.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	S11594	E-Business	(S01) Postal Traffic and Telecommunications, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Nikola Zivlak, Marko Ljubičić, Ming Xu, Bojan Lalić, Zvonko Kremljak: Relationship between innovation and internationalization in Chinese companies, TTEM journal – Technics Technologies Education Management, Sarajevo, Bosna and Herzegovina, Vol.7, No.4., 11/12. 2012.		
2.	Ming Xu, et al.: Labour Turnover in Apparel Retail Chains in China, International Journal of Industrial Engineering and Management (IJIE), Volume 3, Number 1, 2012, pp. 9-14.		
3.	Ming Xu, et al.: Trend Changing Analysis of the Relationship Between Ownership Structure and the Enterprises' Financial Problems - An Empirical Study of Listed Companies in Manufacturing Industry, Economic Longitude and Latitude, Vol.3, May, 2009		
4.	Ming Xu, et al.: The effects of customer contact on conformance quality and productivity in Chinese service firms, International Journal of Quality & Reliability Management, Volume 23 Number 4 and 5, 2006. pp. 367-389		
5.	Ming Xu, et al.: The Application of SERVQUAL Scale, Journal of Industry Engineering and Management, December 2001, pp 6-9		
6.	Ming Xu, et al.: The Evaluation of Innovation Capability in Banks, Modern Business, Vol.23, August, 2012, pp 49-52		
7.	Ming Xu, et al.: A Study on the Effect of Micro-Blogging Comments on Consumer Purchasing Behavior, China Market, Vol.40, 2012, pp 7-9		
8.	Ming Xu, et al.: The Framework to Make Assessment to the Development of Economic Region Based on the Outlook of Scientific Development. ShijiQiao (Century Bridge) 3rd 2008, China		
9.	Ming Xu, et al.: A Survey of Apparel Consumption of Italian University Students, Journal of Donghua University (Social Science), February, 2007. pp 2225-2237		
10.	Ming Xu, et al.: Measurement between R and C: the Basic Rule for the Decision-making of Corporation's Management, East China Economic Management, July, 2006. pp 71-74		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Anišić M. Zoran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	IM1011	Applied Operational Research	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1013	Product Development	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1112	Technological and Business Forecasting	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1212	Decision Theory	(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDS67	Selected Chapters in Product Lifecycle Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	IMDSP1	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
8.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
9.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
10.	IM2213	Product and Service Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
11.	IM2216	Technology transfer and intellectual property management	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies
13.	IMDR67	Selected Chapters in Product Lifecycle Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
14.	IMDR91	Product Family Development and Product Configurators	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR92	Advanced Forecasting Methods and Techniques	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDRPI	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Čosić, I., Anišić, Z., Lazarević, M.: Tehnološki sistemi u montaži, FTN, Novi Sad, str.290, UDK 621.717-52(075.8), ISBN 978-86-7892-448-4, 2012		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
2.	Ćosić, I., Anišić, Z.: Tehnologije montaže - priručnik za vežbe, FTN Novi Sad, str.255, UDK 658.515(075.8)(076) ISBN 978-86-7892-390-6, 2012.		
3.	Ćosić, I., Anišić, Z.: MONTAŽNE TEHNOLOGIJE – POSTUPCI I SISTEMI ZA SPAJANJE, Novi Sad, Fakultet tehničkih nauka, 2006. 130str., UDK: 621.88(075.8), ISBN 86-85211-73-5.		
4.	Anišić, Z.: RAZVOJ POSTUPKA ZA DINAMIČKO MODELIRANJE I TEHNOEKONOMSKU OPTIMIZACIJU MONTAŽNIH SISTEMA, Fakultet tehničkih nauka, Novi Sad, 1997,		
5.	Anišić, Z.: SOME RESULTS OF THE IMPLEMENTATION OF THE MC CONCEPT IN SMALL COMPANIES, 2nd International Conference on Mass Customization in Central Europe, Rzeszow, Poland: Univesrity for Technology and Informatics, 2006, str. 5-25, ISBN 83-87658-96-0.		
6.	Suzić N., Anišić Z., Ćosić I.: Reconfiguring Production and Organizational Structures for Mass Customization in Furniture Industry; Chapter 20 of Innovative Production Systems Key to Future Inteligent Manufacturing; Scientific Monography, Maribor, University of Maribor, Faculty of Mechanical Engineering, Maribor; Faculty of Mechanical Engineering, Skopje, 2010, str. 257-275, ISBN 978-961-248-250-3		
7.	Anišić, Z., Krsmanović, C.: ASSEMBLY INITIATED PRODUCTION AS A PREREQUISITE FOR MASS CUSTOMIZATION AND EFFECTIVE MANUFACTURING, Strojniški vestnik - Journal of Mechanical Engineering 54(2008)9, 607-618, UDC 658.5.		
8.	Firstner (Fürstner) I., Anišić Z., Takač M.: Product Configurator Self-Adapting to Different Levels od Customer Knowledge, Acta Polytechnica Hungarica – Journal of Applied Sciences, 2012, Vol. 9, No 4, pp. 129-150, ISSN 1785-8860		
9.	Suzić N., Stevanov B., Ćosić I., Anišić Z., Sremčev N.: Customizing Products trough Application of Group Technology: A Case Study of Furniture Manufacturing, Strojniski vestnik = Journal of Mechanical Engineering, 2012, ISSN 0039-2480		
10.	Gečevska V., Lombardi F., Čuš F., Anišić Z., Angelidis D., Veza I., Vasilevska S., Ćosić P.: PLM – Product Lifecycle Management Strategy for Innovative and Competitive Business Environment, Maribor, University of Maribor, Faculty of Mechanical Engineering, Faculty of Mechanical Engineering Skopje, 2010, str. 193-208, ISBN 978-961-248-250-3		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		43	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 0 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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Beker A. Ivan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.12.1987	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carieer	Year	Institution	Field
Academic title election:	2012		Quality, Effectiveness and Logistics
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1996	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1986	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP49	Logistics in the Conditions of Catastrophic Events	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1040	Organization and mamangement of maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1043	Maintenance techniques and technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1030	Integral Systems Support - Logistic	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1049	Supply chain Management	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1614	Organization and Management of Logistic	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1615	Maintenance of Technical Equipment	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1618	Design and Analysis of Maintenance Procedure	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
11.	IM1620	Reverse and Green Logistic	(I20) Engineering Management, Undergraduate Academic Studies
12.	IM1622	Information Security Management System	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1623	Occupational Health and Safety Management System	(I20) Engineering Management, Undergraduate Academic Studies
14.	I501	Risk Management	(I10) Industrial Engineering, Master Academic Studies
15.	I841	Spare parts management	(I10) Industrial Engineering, Master Academic Studies
16.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
17.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
18.	PLM10	Product Servicing and Maintenance	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
19.	LIM16	Production Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
20.	LIM18	Life Cycle Costs and Supply	(LIM) Logistic Engineering and Management, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation		
MASTER ACADEMIC STUDIES		Industrial Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	LIM30	Inventory Planning and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
22.	I843	Maintenance effectiveness	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
23.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
24.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
25.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
26.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
27.	IM2615	Lean Logistics	(I20) Engineering Management, Master Academic Studies
28.	IM2617	Information Systems to Support Quality, Logistics and Maintenance	(I20) Engineering Management, Master Academic Studies
29.	IM2618	Transportation management	(I20) Engineering Management, Master Academic Studies
30.	IM2619	Stock planning and management	(I20) Engineering Management, Master Academic Studies
31.	IM2620	Lean Maintenance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
32.	IM2622	Design and Implementation of Health and Safety System	(I20) Engineering Management, Master Academic Studies
33.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
34.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
35.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
36.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
37.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
38.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
39.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
40.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies
41.	ZRD29A	Selected Topics in Systems Reliability	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950		
2.	Radlovački V., Pečujlija M., Kamberović B., Jovanović R., Delić M., Beker I.: SATISFACTION OF HIGH SCHOOL STUDENTS WITH THE APPLICABILITY OF THEIR KNOWLEDGE, TTEM. Tehnich technologies education management, 2012, Vol. 7, No 2, pp. 777-785, ISSN 1840-1503		
3.	Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B.: Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480		
4.	I. Beker, D. Stanivuković: BASICS OF IIM – ITC APPROACH TO LOGISTICS DESIGN AND MANAGEMENT, 13th Scientific Conference on INDUSTRIAL SYSTEMS, Septembar 07 – 09, 2005, Vrnjaska Banja, Srbija i Crna Gora		
5.	Vulanović S., Beker I., Radlovački V.: Selection, Adjustment and Appliange of FMEA Method in Risk Assessment Process of Integrated Management System, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of technical sciences, Department of industrial engineering and management, 14-16 Septembar, 2011, pp. 320-324, ISBN 978-86-7892-341-8		
6.	Beker I., Jevtić V., Dobrilović D.: Using Shortest-Path Algorithms for Forklift Route Planning and Optimization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehnickin nauka, Novi Sad, 14-16 Septembar, 2011, pp. 285-290, ISBN 978-86-7892-341-8, UDK: 658.5 (082)		
7.	Morača S., Beker I.: Autori: Morača S., Beker, I., Katić J. Naziv: Upravljanje rizikom - potreba za novim standardom Naziv časopisa: Total quality management		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	Delić M., Radlovački V., Beker I.: PROŠIRENJE KONCEPTA MODELA KARTE PROCESA UML NOTACIJOM PRI MODELOVANJU I PRIKAZIVANJU PROCESA SISTEMA MENADŽMENTA KVALITETOM, MENADŽMENT TOTALNIM KVALITETOM		
9.	Beker I., Delić M., Vulcanović S.: ISO 27001 - Anex A - poglavlje 13 - Upravljanje incidentima u vezi sa bezbednošću informacija - kako zadovoljiti zahteve , International Journal of Total Quality Management		
10.	Vulcanović S., Beker I., Radlovački V., Delić M.: The Appliance of Work Flow Diagram as a Tool for Identification and Grouping of Failures in Processes of Integrated Management System, INTERNATIONAL JOURNAL ADVANCED QUALITY, 2012, Vol. 40, No 1, pp. 23-26, ISSN 2217-8155, UDK: 658.5		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 0 International : 4 </div>

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering	
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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 carier	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

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		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Industrial 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

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Bošković M. Dragan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Information-Communication Systems	
Academic carieer	Year	Institution	Field
Academic title election:	2009		Information-Communication Systems
PhD thesis	1991	University of Bath - Bristol	Electrical and Computer Engineering
Magister thesis	1988	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1983	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EM404A	Computer Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	IM1512	Object-oriented Infomation Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1515	Mobile information technologies	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1520	Service-Oriented Architectures	(I20) Engineering Management, Undergraduate Academic Studies
5.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
6.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	IM2517	e Government systems	(I20) Engineering Management, Master Academic Studies
8.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
9.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Pennock, S.R. Boskovic, D.M. Rozzi, T., Analysis of coupled inset dielectric guides under LSE and LSM polarization', IEEE Transactions on Microwave Theory and Techniques, May 1992 Volume: 40, Issue: 5 On page(s): 916-924 Digital Object Identifier: 10.1109/22.137398		
2.	Bourse, D.; El-Khazen, K.; Lee, A.; Grandblaise, D.; Boscovic, D. "Business perspectives of end-to-end reconfigurability", IEEE Wireless Communications, [see also IEEE Personal Communications] Volume 13, Issue 3, June 2006 Page(s):46 – 57.		
3.	Demestichas, P.; Stavroulaki, V.; Boscovic, D.; Lee, A.; Strassner, J. 'm@ANGEL: autonomic management platform for seamless cognitive connectivity to the mobile internet', IEEE Communications Magazine, Volume 44, Issue 6, June 2006 Page(s):118 – 127.		
4.	Faure, C.; Tin Lin Lee; Boscovic, D., 'UMTS border planning issues', IEEE VTS 53rd Vehicular Technology Conference, 2001. VTC 2001 Spring. Volume 4, 6-9 May 2001 Page(s):2761 - 2765 vol.4 Digital Object Identifier 10.1109/VETECS.2001.944103.		
5.	D. Boscovic, M. Needham, F. Vakil and J. Yang, Low Carbon Economy considerations in designing and operating Content Delivery Networks for VoD ,Journal of Green Engineering, ISSN 1904-4720, River Publishers 2010		
6.	Dragan Bošković, Faramak Vakil, Content Delivery Networks for Video on Demand and IPTV Telekomunikacije, Vol 4 December 2009		
7.	Bourse, D.; El-Khazen, K.; Lee, A.; Boscovic, D.; Business Models of End-to-End Reconfigurable Systems Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd Volume 1, 2006 Page(s):57 - 61 Digital Object Identifier 10.1109/VETECS.2006.1682775		
8.	Dragan Boskovic, Vakil Faramak, Milenko Tosic, Stanisa Dautovic Pervasive wireless CDN for greening video streaming to mobile devices ,– MiPRO conference, Opatija 2011		

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>				
<p>Representative references (minimum 5, not more than 10)</p>				
9.	Dragan Boskovic, Vakil Faramak, Milenko Tomic, Stanisa Dautovic, Greening of video streaming to mobile devices by pervasive wireless CDN – Journal of Green Engineering, ISSN 1904-4720, River Publishers 2011			
10.	Ning Xu, Jin Yang, Mike Needham, Dragan Boskovic, Faramak Vakil - Toward the Green Video CDN IEEE/ACM Int'l Conference on Green Computing Hangzhou, Zhejiang Province, China, December 18-December 2010			
<p>Summary data for teacher's scientific or art and professional activity:</p>				
Quotation total :	30			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	0	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Budak M. Igor	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		06.09.2001	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2009	Faculty of Mechanical Engineering - Ljubljana	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical 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.	IA018	3D Digitalization Methods	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
6.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
8.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z416	EMS Systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	ZRI441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
11.	Z416	EMS sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
14.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
15.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
16.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
17.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
18.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
19.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
20.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies

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	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
22.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
23.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies
25.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
26.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
27.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies
28.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies
29.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies
30.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies
31.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Budak I., Vukelić Đ., Bračun D., Hodolić J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220		
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593		
3.	Kosec G., Nagode A., Budak I., Antić A., Kosec B.: Failure of the pinion from the drive of a cement mill, Engineering Failure Analysis, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307		
4.	Budak I., Soković M., Barišić B.: Accuracy improvement of point data reduction with sampling-based methods by Fuzzy logic-based decision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1188-1200, ISSN 0263-2241		
5.	Budak I., Hodolić J., Soković M.: Development of a programme system for data-point pre-processing in Reverse Engineering, Journal of Materials Processing Technology, 2005, Vol. 162, pp. 730-735, ISSN 0924-0136		
6.	Jevremović D., Puškar T., Budak I., Vukelić Đ., Kojić V., Eggbeer D., Williams R.: An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, Materijali in tehnologije, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949		
7.	Trifković B., Budak I., Todorović A., Hodolić J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871		
8.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolić J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651		
9.	Vukelić Đ., Miljanić D., Randelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949		
10.	Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Randelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846, ISSN 1330-3651.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		25	
Total of SCI(SSCI) list papers :		20	
Current projects :		Domestic :	4
		International :	7

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Čuš -. Franci	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Proizvodni sistemi, organizacija i menadžment (menadžment inovacija i	
Academic carieer	Year	Institution	Field
Academic title election:	2009		Proizvodni sistemi, organizacija i menadžment (menadžment inovacija i promena)
PhD thesis	1988	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Magister thesis	1985	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Bachelor's thesis	1978	Faculty of Mechanical Engineering - Maribor	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z421	Operacioni menadžment(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
4.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
5.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
6.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
8.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
10.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
11.	IM2215	Value engineering	(I20) Engineering Management, Master Academic Studies
12.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
13.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
14.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
16.	ZRD28A	Selected topics in the science of occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	ČUŠ, Franc, BALIČ, Jože. Optimization of cutting process by GA approach. Robot. comput.-integr. manuf.. [Print ed.], 2003, vol. 19, iss. 1/2, str. 113-121.		
2.	ČUŠ, Franc, MURŠEC, Bogomir. Databases for technological information systems. J. mater. process. technol.. [Print ed.], Dec. 2004, vol. 157/158, str. 75-81.		
3.	ČUŠ, Franc, ŽUPERL, Uroš, MILFELNER, Matjaž. Dynamic neural network approach for tool cutting force modelling of end milling operations. Int. j. gen. syst., October 2006, vol. 35, no 5, str. 603-618. [COBISS.SI-ID 10604310]		
4.	ČUŠ, Franc, MILFELNER, Matjaž, BALIČ, Jože. An intelligent system for monitoring and optimization of ball-end milling process. J. mater. process. technol.. [Print ed.], June 2006, vol. 175, iss. 1/3, str. 90-97.		
5.	ČUŠ, Franc, ŽUPERL, Uroš, KIKER, Edvard, MILFELNER, Matjaž. Adaptive controller design for feedrate maximization of machining process. J. Achiev. Mater. Manuf. Eng., Jul.-Aug. 2006, vol. 17, iss. 1/2, str. 237-240.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering			
Representative references (minimum 5, not more than 10)				
6.	ČUŠ, Franc, ŽUPERL, Uroš. Approach to optimization of cutting conditions by using artificial neural networks. J. mater. process. technol.. [Print ed.], 2006, vol. 173, iss. 3, str. 281-290.			
7.	ČUŠ, Franc, BALIČ, Jože, ŽUPERL, Uroš. Hybrid ANFIS-ants system based optimisation of turning parameters. J. Achiev. Mater. Manuf. Eng., Sep. 2009, vol. 36, iss. 1, str. 79-86.			
8.	ŠOSTAR, Adolf, ČUŠ, Franc. Vpliv toplotne obdelave na obdelovalnost materialov pri vrtanju. Stroj. vestn., 1983, let. 29, št. 10-12, str. 215-218. [COBISS.SI-ID 3324444]			
9.	ŠOSTAR, Adolf, ČUŠ, Franc. Načrtovanje preizkusov in izračun eksponentov za optimiranje odrezovanja. Stroj. vestn., 1984, let. 30, št. 9-10, str. 197-203. [COBISS.SI-ID 3324700]			
10.	ČUŠ, Franc. Odvisnosti in zakonitosti postopka čelnega frezanja. Stroj. vestn., 1986, 32, št. 4/6, str. 60-63. [COBISS.SI-ID 94468]			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		21		
Total of SCI(SSCI) list papers :		28		
Current projects :		Domestic :	0	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ćosić P. Ilija	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		22.12.1972	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1983	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1972	Faculty of Mechanical Engineering - 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.	M316	Production Systems	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
5.	IM1039	Fundamentals of Operations management	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
7.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
8.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDSPI	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
10.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
12.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
13.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, 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</h2>					
MASTER ACADEMIC STUDIES			Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes					
ID	Course name	Study programme name, study type			
14.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
15.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
16.	IM2119	Layout and location of the enterprise	(I20) Engineering Management, Master Academic Studies		
17.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies		
18.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
19.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
20.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
21.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
22.	IMDRPI	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
23.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
25.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies		
26.	ZRD28A	Selected topics in the science of occupational safety	(Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Čosić I.: Development of Knowledge-Based System for the Configuration of Assembly Systems, Knowledge-Based Selection and Arrangement of Parts Bins at Assembly Workplaces (TEBES) - European Communities Bruxelles, 1991				
2.	Pečujlija M., Čosić I., Ivanišević V.: A professor's moral thinking at the abstract level vs the professor's moral thinking in real life situation (consistency problem), Science and Engineering Ethics, 2011, Vol. 17, No 2, pp. 299-320, ISSN 1353-3452				
3.	Zelenović D., Čosić I., Šormaz D., Šišarica Z.: An approach to the design of more effective production systems , International Journal of Production Research, 1987, Vol. 25, No 1, pp. 3-15, ISSN 0020-7543				
4.	Kirin S., Sedmak A., Grubić-Nešić L., Čosić I.: Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K				
5.	Lazarević M., Ostojić G., Čosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248				
6.	Tešić Z., Lalić D., Čosić I., Mitrović V.: Integration of information for manufacturing shop control, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 3, pp. 217-223, ISSN 0039-2480				
7.	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				
8.	Ostojić G., Lazarević M., Stankovski S., Čosić I.: RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, No 11, pp. 759-767, ISSN 0039-2480, UDK: 658.5				
9.	Sremčev N., Čosić I., Suzić N., Stevanov B.: APPLICATION OF PLM SYSTEMS IN GROUP TECHNOLOGY APPROACH, 23. DAAAM International Symposium, Zadar: DAAAM International, Vienna, Austria, EU, 2012, 24-27 Oktobar, 2012, pp. 981-984, ISBN 978-3-901509-91-9, UDK: ISSN 2304-1382				
10.	Čosić I., Lazarević M., Šooš L., Onderova I.: Proizvodi na kraju životnog veka – demontaža i reciklaža, Novi Sad, Fakultet tehničkih nauka, FTN Grafički centar GRID, 2009, ISBN 978-86-7892-9				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		96			
Total of SCI(SSCI) list papers :		15			
Current projects :		Domestic :	2	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Čulibrk R. Dubravko	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2001	
Scientific or art field:		Information-Communication Systems	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1024	Algorithms and Data Structures	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1517	Computer application development	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1522	Algorithms and Data Structures	(I20) Engineering Management, Undergraduate Academic Studies
9.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	IMDS34	Raster and Image Processing Technologies in Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
11.	IMDS54	Computer Vision in Industrial Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
15.	MUO00 ₄	Information Systems in Education	(I20) Engineering Management, Specialised Professional Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
19.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
20.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
Study Programme Accreditation			
MASTER ACADEMIC STUDIES		Industrial Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR54	Computer Vision in Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR55	Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	D. Culibrk, O. Marques, D. Socek, H. Kalva and B. Furht, "Neural Network Approach to Background Modeling for Video Object Segmentation", IEEE Trans. on Neural Networks, September 2007.		
2.	D. Socek, D. Culibrk, O.F. Marques, H. Kalva and B. Furht, "A Hybrid Color-Based Foreground Object Detection Method for Automated Marine Surveillance", in Proc. Advanced Concepts for Intelligent Vision Systems (ACIVS 2005), Antwerp, Belgium, September 20-23, 2005		
3.	Ćulibrk, D., Daniel Socek and Michal Sramka: Cryptanalysis of a Symmetric Probabilistic Encryption Scheme Based on Chaotic Attractors of Neural Networks, Tatra Mountains Mathematical Publications, 2007, Vol. 37, str. 75- 91		
4.	"New approaches to encryption and steganography for digital videos", Daniel Socek, Hari Kalva, Spyros S. Magliveras, Oge Marques, Dubravko Culibrk and Borko Furht, Multimedia systems, vol. 13, No 3, pp.		
5.	Daniel Socek, Spyros Magliveras, Dubravko Ćulibrk, Oge Marques, Hari Kalva, and Borko Furht: Digital Video Encryption Algorithms Based on Correlation-Preserving Permutations, EURASIP Journal on Information Security, 2007, ISSN 1687-4161. 5.		
6.	Dubravko Ćulibrk, Borislav Antić, Vladimir Crnojević: Real-time Stable Texture Regions Extraction for Motion-based Object Segmentation, 20th British Machine Vision Conference, BMVC 2009, London, UK: British Machine Vision Association, 7.-10. September, 2009		
7.	D. Culibrk, M. Mirkovic, V.Zlokolica, M. Pokric, V. crnojevic, D. Kukolj, "Salient Motion Features for Video Quality Assessment", IEEE Trans. on Image Processing, Volume: 20 Issue:4, pp(s): 948 – 958, ISSN: 1057-7149, 2011.		
8.	J. Radonić, D. Ćulibrk, M. Vojinović-Miloradov, B. Kukić, M. Turk-Sekulić, Prediction Of Gas-Particle Partitioning Of Paks Based On M5' Model Trees, Thermal Science, No. 1, vol. 15, pp.105-114 , 2011.		
9.	Mladen Pečujlija, Dubravko Ćulibrk, Why We Believe The Computer When It Lies, Computers in Human Behavior, Volume 28, Issue 1, January 2012, Pages 143–152.		
10.	D. Ćulibrk, M. Mancas, V. Crnojevic, 2012, "Dynamic Texture Recognition Based on Compression Artifacts", in Towards Advanced Data Analysis by Combining Soft Computing and Statistics in Fuzziness and Soft Computing Volume 285, 2013, pp 253-266.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		11	
Current projects :		Domestic :	2
		International :	4

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Dudić P. Slobodan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		21.08.1995	
Scientific or art field:		Mechatronics, Robotics and Automation and Intelligent Systems	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1401	Material Handling Technologies	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
6.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1023	Packaging technology	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
12.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
13.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
14.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
15.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
16.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
17.	PLM04	Sustainable Production and LCA	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
18.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
19.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
20.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
21.	BMIM4C	Fluid filtration and separation	(BM0) Biomedical Engineering, Master Academic Studies
22.	I911	Sustainable production	(I10) Industrial Engineering, Master Academic Studies
23.	IIDS27	Selected chapters of the energy efficiency of automated systems	(I12) Industrial Engineering, Specialised Academic Studies
24.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
25.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
26.	IMDR86	Selected chapters from energy efficiency of compressed air systems	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Šešlija D., Ignjatović I., Dudić S.: Increasing the Energy Efficiency in Compressed Air Systems, Rijeka, InTech, 2012, str. 151-174, ISBN 978-953-51-0800-9		
2.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Miodrag S.: Leakage quantification of compressed air using ultrasound and infrared thermography, MEASUREMENT, 2012, Vol. 45, No 7, pp. 1689-1694, ISSN 0263-2241		
3.	Ignjatović I., Šešlija D., Tarjan L., Dudić S.: Wireless sensor system for monitoring of compressed air filters, Journal of Scientific and Industrial Research (JSIR), 2012, Vol. 71, No 5, pp. 334-340, ISSN 0022-4456		
4.	Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480		
5.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Stojiljković M.: Leakage quantification of compressed air on pipes using thermovision, Thermal Science, 2012, Vol. 16, No 2, pp. 621-631, ISSN 0354-9836		
6.	Šešlija D., Ignjatović I., Dudić S., Lagod B.: Potential energy savings in compressed air systems in Serbia, African Journal of Business Management, 2011, Vol. 5, No 14, pp. 5637-5645, ISSN 1993-8233		
7.	Blagojević V., Šešlija D., Stojiljković M., Dudić S.: Efficient control of servo pneumatic actuator system utilizing by-pass valve and digital sliding mode, Sadhana - Academy Proceedings in Engineering Science, 2012, ISSN 0256-2499		
8.	Šešlija D., Ignjatović I., Dudić S.: Compressed air system structure and energy efficiency, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Nis, Faculty of Mechanical Engineering and Society of Thermal Engineers of Serbia, 18-21 Oktobar, 2011, pp. 649-658, ISBN 978-86-6055-018-9		
9.	Šešlija D., Dudić S., Ignjatović I.: Cost effectiveness t of pressure regulation on return stroke of pneumatic actuators, 11. International Scientific Conference "Flexible Technologies" - MMA, Novi Sad: Fakultet tehničkih nauka, 20-21 Septembar, 2012		
10.	Dudić S., Ignjatović I., Šešlija D.: Usage of non-destructive methods in compressed air system, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 101-104, ISBN 978-86-7892-341-8		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		6	
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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Đurić M. Nikola	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1997	
Scientific or art field:		Theoretical Electrotechnics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1997	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.	E216	Fundamentals of Electrical Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
2.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	H104	Fundamentals of Electrical Engineering 1	(H00) Mechatronics, Undergraduate Academic Studies
4.	H108	Fundamentals of Electrical Engineering 2	(H00) Mechatronics, Undergraduate Academic Studies
5.	M112	Electrical Engineering and Electric Machines	(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 (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	E105	Fundamentals of Electrical Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	E110	Fundamentals of Electrical Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI94	Fundamentals of Electrical Engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	DE416S	Investigation of electromagnetic fields	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE517S	Technology of magnetic and optical data storage	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E1IEP	Investigation of electromagnetic fields	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
14.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
15.	DE416	Investigation of electromagnetic fields	(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</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	DE517	Technology of magnetic and optical data storage	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Đurić N., Despotović M. : Application of MTR soft-decision decoding in multiple-head magnetic recording systems, Sadhana - Academy Proceedings in Engineering Science, 2009, Vol. 34, Broj 3, str. 381-392, ISSN 0256-2499		
2.	Đurić S., Nađ L., Damjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362		
3.	Đurić N., Kavečan N.: Internet Portal of the SEMONT Information Network for the EM Field Monitoring, 4. International Conference on Advances in Future Internet - AFIN, Rim, 19-24 Avgust, 2012, pp. 55-59, ISBN 978-1-61208-211-0 (Best paper award)		
4.	Đurić N., Kavečan N., Kljajić D.: The EM Field Register of the SEMONT Broadband Monitoring Network, 10. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 20-22 Septembar, 2012, pp. 27-30, ISBN 978-1-4673-4748-8		
5.	Đurić N., Šenk V.: The MAP Implementation in Logic Circuits for Soft-decision Decoding of MTR Codes, 6. European Modeling Symposium - EMS, Malta, 14-16 Novembar, 2012, pp. 201-206, ISBN 978-0-7695-4926-2/12		
6.	Đurić N., Prša M., Kasaš-Lažetić K.: Information Network for Continuous Electromagnetic Fields Monitoring, International Journal of Emerging Sciences - IJES, 2011, Vol. 1, No 4, pp. 516-525, ISSN 2222-4254		
7.	Vukobratović B., Đurić N.: Monitoring of EMF with SEMONT system, 6. International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields – CEMBEF, Novi Sad, 28-30 Jun, 2012, pp. 63-66, ISBN 978-86-7892-410-1		
8.	Bajović V., Đurić N., Herceg D.: Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04		
9.	Đurić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1		
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Heraković S. Niko	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		University of Ljubljana - Ljubljana	
		01.01.2007	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic career	Year	Institution	Field
Academic title election:	2012		Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1995	University of Ljubljana - Ljubljana	Mechanical Engineering
Magister thesis	1991	University of Ljubljana - Ljubljana	Mechanical Engineering
Bachelor's thesis	1988	University of Ljubljana - Ljubljana	Mechanization and Constructional Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS19	Dismantling and recycling technologies	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
4.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
7.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
8.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
9.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
10.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
11.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
12.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
13.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
15.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Simic, M.a, Herakovic, N.a, Juschka, K.b, Pätzold, M.b, Flow characteristic curves for valve simulation: Using the hydraulically axial-notched longitudinal slide valves as example [Durchflussskennlinien für die ventilsimulation - Am Beispiel axialgekerbter hydraulischer Längsschieberventile], Oljdraulik und Pneumatik, Volume 56, Issue 3, March 2012, Pages 27-31, ISSN: 03412660		
2.	DEBEVEC, Mihael, HERAKOVIČ Niko. Management Of Resources In Small And Medium-Sized Production Enterprises. Iranian Journal of Science and Technology. 51/79. (Article will be published in october 2010 – Enclosure 6 – Certificate of the paper received for publication)		
3.	HERAKOVIČ, Niko, BEVK, Tomaž. Analysis of the material and the actuator influence on the characteristics of a pneumatic valve = Analiza vpliva materiala in aktuatorjev na lastnosti pnevmatičnega ventila. Mater. tehnol., 2010, letn. 44, št. 1, str. 37-40. [COBISS.SI-ID 11304219]		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	MERWE, Jacob D. van der, MINARIK, Martin, BEROVIĆ, Marin, HERAKOVIĆ, Niko. Heat transfer in citric acid production with axial and radial flow impellers. Acta chim. slov.. [Tiskana izd.], 2010, vol. 57, no. 1, str. 150-156. http://acta.chemsoc.si/57/57-1-150.pdf . [COBISS.SI-ID 33809925]		
5.	HERAKOVIĆ, Niko, ŠIMIC, Marko, TRDIČ, Francej, SKVARČ, Jure. A machine-vision system for automated quality control of welded rings. Mach. vis. appl., 2010, 15 str., doi: 10.1007/s00138-010-0293-9. ISSN 0932-8092. [COBISS.SI-ID 11512091], [JCR], 126/245		
6.	HERAKOVIĆ, Niko. Flow-force analysis in a hydraulic sliding-spool valve. Strojarsvo, 2007, letn. 49, št. 3, str. 117-126. [COBISS.SI-ID 10449691]		
7.	HERAKOVIĆ, Niko. Računalniški in strojni vid v robotizirani montaži = Computer and machine vision in robot-based assembly. Stroj. vestn., 2007, letn. 53, št. 12, str. 858-873. ISSN 0039-2480. [COBISS.SI-ID 10378267], [JCR, WoS], 100/107		
8.	HERAKOVIĆ, Niko, NOE, Dragica. Analiza delovanja pnevmatičnega ventila s predkrmilnim piezoventilom = Analysis of the operation of pilot-stage piezo-actuator valves. Stroj. vestn., 2006, letn. 52, št. 12, str. 835-851. [COBISS.SI-ID 9821723]		
9.	Bogoeva-Gaceva, G., Dimeski, D., Heraković, N., Effect of sonication applied during production of carbon fiber/epoxy resin composites evaluated by differential scanning calorimetry and thermo-gravimetric analysis, Macedonian Journal of Chemistry and Chemical Engineering, Volume 30, Issue 2, ISSN: 18575552, 2011, Pages 189-196		
10.	HERAKOVIĆ, Niko, DUHOVNIK, Jože, NOE, Dragica. Sila trenja v pnevmatičnem valju = Friction force in the pneumatic cylinder. Stroj. vestn., okt.-dec. 1992, let. 38, št. 10/12, str. 279-288, ilustr. [COBISS.SI-ID 62843136]		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		11	
Total of SCI(SSCI) list papers :		13	
Current projects :	Domestic :	1	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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications

Name and last name:		Ivandić I. Željko	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2002	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Magister thesis	1996	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Bachelor's thesis	1990	Mechanical Engineering Faculty - Slavonski Brod - Slavonski Brod	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
2.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
3.	H109	Fundamentals in Programming	(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.	H308	Industrial Robotics	(H00) Mechatronics, Undergraduate Academic Studies
8.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies
11.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
12.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
13.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
14.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
15.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
16.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
17.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
19.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
20.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
21.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
22.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
23.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
24.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
25.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
26.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
27.	HDOL13	Motion controla and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
28.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Brillová, K., Ohlídal, M., Valíček, J., Hloch, S., Kozak, D., Ivandić, Z. Evaluation of abrasive waterjet produced titan surfaces topography by spectral analysis techniques (2012) Metalurgija, 51 (1), pp. 39-42.		
2.	Kozak, D., Ivandić, Z., Kontajić, P. Determination of the critical pressure for a hot-water pipe with a corrosion defect [Določitev kritičnega pritiska v vročevodni cevi s korozijsko poškodbo] (2010) Materiali in Tehnologije, 44 (6), pp. 385-390.		
3.	Balicević, P., Ivandić, Z., Kraljević, D. Temperature transitional phenomena in spherical reservoir wall (2010) Tehnicki Vjesnik, 17 (1), pp. 31-34.		
4.	Ivandić, Z., Ergić, T., Kljajin, M. Welding robots kinematic structures evaluation of based on conceptual models using the potential method (2009) Tehnicki Vjesnik, 16 (4), pp. 35-45.		
5.	Ergić, T., Ivandić, Ž. Ultra-light telescopic crane/platform mechanisms feature analysis (2009) Tehnicki Vjesnik, 16 (4), pp. 87-91.		
6.	Ivandić, Ž., Ergić, T., Kokanović, M. Conceptual model and evaluation of design characteristics in product development (2009) Strojstvo, 51 (4), pp. 281-291.		
7.	Hlaváček, P., Valíček, J., Hloch, S., Greger, M., Foldyna, J., Ivandić, Z., Sitek, L., Kušnerová, M., Zeleňák, M. Measurement of fine grain copper surface texture created by abrasive water jet cutting (2009) Strojstvo, 51 (4), pp. 273-279.		
8.	Radvanská, A., Ergić, T., Ivandić, Ž., Hloch, S., Valicek, J., Mullerova, J. Technical possibilities of noise reduction in material cutting by abrasive water-jet (2009) Strojstvo, 51 (4), pp. 347-354.		
9.	Kušnerová, M., Valíček, J., Hloch, S., Ergić, T., Ivandić, Z. Derivation and measurement of the velocity parameters of hydrodynamics oscillating system (2008) Strojstvo, 50 (6), pp. 375-379.		
10.	Dunder, M., Ivandić, Ž., Samardžić, I. Selection of arc welding parameters of micro alloyed HSLA steel (2008) Metalurgija, 47 (4), pp. 325-330.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		14	
Total of SCI(SSCI) list papers :		13	
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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Kamberović L. Bato	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.1979	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1985	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1014	Product measurement and control techniques	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1036	Methods and techniques of quality improvement	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1050	TRIBOLOGY AND LUBRICATION	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1020	Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1606	Designing, Auditing and Analyses of Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1612	Methods and techniques of quality system improvements	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1613	Product measurement and control techniques	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1616	Quality planning	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1617	Quality Managment System in Service Provision	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1619	Quality and Procurement	(I20) Engineering Management, Undergraduate Academic Studies
11.	I503	Models of Excellence in Quality Management Systems	(I10) Industrial Engineering, Master Academic Studies
12.	I504	Integrated Management Systems	(I10) Industrial Engineering, Master Academic Studies
13.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	I309	Quality Management System	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	LIM18	Life Cycle Costs and Supply	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	LIM21	Total Quality Management and Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	I843	Maintenance effectiveness	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
18.	I912	Process approach and quality	(I10) Industrial Engineering, Master Academic Studies
19.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
20.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
22.	IM2613	Models of Excellence in Quality Management Systems	(I20) Engineering Management, Master Academic Studies
23.	IM2614	Integrated Management Systems	(I20) Engineering Management, Master Academic Studies
24.	IM2616	Product and service quality improvement - lean six sigma	(I20) Engineering Management, Master Academic Studies
25.	IM2623	Total Quality Management	(I20) Engineering Management, Master Academic Studies
26.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
27.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
28.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
33.	IMDR83	Quality and organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
34.	ZRD212	Integrating occupational health and safety requirements into management systems	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Delić M., Radlovački V., Kamberović B., Vulcanović S., Hadžistević M., Tasić N.: ESTIMATES OF QUALITY MANAGEMENT SYSTEMS IN SERBIA , Metalurgia international, 2013, No 4, ISSN 1582-2214		
2.	Jovanović R., Radlovački V., Pečujlija M., Kamberović B., Delić M., Grujić J.: Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments, Medicinski glasnik (BiH), 2012, Vol. 9, No 2, pp. 231-237		
3.	Radlovački V., Pečujlija M., Kamberović B., Jovanović R., Delić M., Beker I.: SATISFACTION OF HIGH SCHOOL STUDENTS WITH THE APPLICABILITY OF THEIR KNOWLEDGE, TTEM. Tehnics technologies education management, 2012, Vol. 7, No 2, pp. 777-785, ISSN 1840-1503		
4.	Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B.: Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480		
5.	B. Kamberović: MODEL INTEGRALNOG SISTEMA ZA UPRAVLJANJE KVALITETOM, Univerzitet u Novom Sadu, Institut za industrijske sisteme i IIS - Istraživački i tehnološki centar, Novi Sad, 199 strana, 1998.		
6.	Kamberović B., Kecojević S.: ISO 9000 I ODRŽAVANJE , Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme		
7.	Kamberović B., Radaković N.: QFD METODA , Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme		
8.	Kamberović B., Radlovački V.: SISTEM UPRAVLJANJA KVALITETOM - ZAHTEVI u knjizi: Dr Vojislav Vulcanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radovački, M. Šilobad: SISTEM KVALITETA ISO 9001:2000, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2007, str. 39-50, ISBN 978-86-907041-3-2, UDK: 005.336.3 006.83		
9.	Vojislav V., Kamberović B.: KONTROLNE KARTE u knjizi: Dr Vojislav Vulcanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radovački, M. Šilobad: METODE I TEHNIKE UNAPREĐENJA PROCESA RADA - STATISTIČKE * INŽENJERSKE * MENADŽERSKE, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2003, str. 60-120, UDK: 658.5		
10.	Marić B., Kamberović B., Radlovački V., Delić M., Zubanov V.: Observing the dependence between dynamic indicators of investment profitability - Relative net present value and internal rate of return, African Journal of Business Management, 2011, Vol. 5, No 26, pp. 331-337, ISSN 1993-8233		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		6	
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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Katalinić -, Branko	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic carier	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1983	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Magister thesis	1979	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Bachelor's thesis	1976	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1213	Globalization and new business models	(I20) Engineering Management, Undergraduate Academic Studies
2.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
3.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
4.	IIDR5S	Advanced Engineering Technologies	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (M50) Energy Management, Master Academic Studies
5.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
6.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
8.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
9.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
11.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	B. Katalinic, J. Balic, I. Pahole: "Scheduling of Complex Flexible Manufacturing Systems-Methodology Design"; STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING Volume: 44 Issue: 5-6 Pages: 168-174, Published: MAY-JUN 1998		
2.	B. Katalinic: "Bionic Assembly Systems: Selforganizing Complex Flexible Assembly System"; Acta Mechanica Slovaca, Vol. 6 (2002), No. 2/2002; pp. 15 - 20.		
3.	B. Ljoljic, B. Katalinic, K. Stuja, V. Kordic: "Simulation of Complex Flexible Assembly System"; Acta Mechanica Slovaca, Vol.6 (2002), 2/2002; pp. 117 - 122		
4.	B. Ljoljic, B. Katalinic, K. Stuja: "Optimisation of Flexible Assembly System Using Simulation"; International Journal of Simulation Modelling, Vol. 1 (2002), No 1/2002; pp. 16 - 22.		
5.	A. Lazinica, B. Katalinic: "Bionic assembly system: new concept of self-organising multirobot system"; International Journal of Automation and Control, Volume 1, Number 1 / 2007; Pages: 16 – 27.		
6.	B. Katalinic, V. Kordic: "Integration of Subordination and Self Organisation in Working Scenarios of Bionic Assembly System"; in: "DAAAM International Scientific Book 2003", B. Katalinic (Hrg.); herausgegeben von: DAAAM International Vienna; DAAAM International Vienna, Wien, 2003, (eingeladen), ISBN: 3-901-509-36-4, pp. 319 - 330.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
7.	B. Katalinic, A. Lazinica: "Autonomous mobile robots in assembly applications"; in: "DAAAM International Scientific Book 2005", DAAAM Internaitonal Vienna; DAAAM International Vienna, Vienna, 2005, (eingeladen), ISBN: 3-901509-43-7, pp. 323 - 332.		
8.	V. Malisa, B. Katalinic: "Next Generation of Production Systems: Original Concept of Selforganizing Production Systems"; Vortrag: Eight International Conference on Manufacturing & Management, Gold Coast, Queensland, Australia (eingeladen); 08.12.2004 - 10.12.2004; in: "Eight International Conference on Manufacturing Management Proceedings", (2004), ISBN: 0-9578296-1-2; pp. 1 - 14.		
9.	A. Lazinica, B. Katalinic: "Design of Transport Mobile Robot Behavior in Self-Organising Assembly System"; IEEE/ASME International Conference on Advanced Intelligent Mechatronics - AIM 2005, Monterey, California, USA (eingeladen); 24.07.2005 - 28.07.2005; in: "Proceedings of 2005 IEEE/ASME International Conference on Advanced Intelligent Mechatronics - AIM 2005", (2005), ISBN: 0-7803-9046-6; S. 100 - 105.		
10.	B. Katalinic, V. Kordic: "Bionic Assembly System: Concept, Structure and Function"; 5th International Conference on Integrated Design and Manufacturing in Mechanical Engineering, Bath, United Kingdom (eingeladen); 05.04.2004 - 07.04.2004; in: "Proceedings of 5th International Conference on Integrated Design and Manufacturing in Mechanical Engineering", (2004).		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	0
		International :	0

	<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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Krsmanović B. Cvijan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.05.1981	
Scientific or art field:		Information-Communication Systems	
Academic career	Year	Institution	Field
Academic title election:	2004	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	1994	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	1981	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1003	Product development and design	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1005	Computer Aided Product Design and Analysis	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1018	Design of Information Systems	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1039	Resource planning systems in manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1049	Manufacturing documentation management (DMS)	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1029	Information and communication systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1048	Enterprise resource planning systems	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1513	Management of information systems development	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1521	Business document management systems	(I20) Engineering Management, Undergraduate Academic Studies
10.	ZC014	Information technologies in energetic management	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS33	Structures of Modern Information and Communication Systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	IMDS34	Raster and Image Processing Technologies in Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	IMDS37	CAE/CAD/CAM and CIM Concepts and Systems	(I12) Industrial Engineering, Specialised Academic Studies
15.	MUO004	Information Systems in Education	(I20) Engineering Management, Specialised Professional Studies
16.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
17.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
18.	IM2514	Software Quality Assurance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2521	Distance Learning and Remote Work	(I20) Engineering Management, 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</h2>				
	MASTER ACADEMIC STUDIES		Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
20.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies		
21.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
22.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
23.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR37	CAE/CAD/CAM and CIM Concepts and Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
25.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
26.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Krsmanović, C., Govedarica, M., Radović, B.: Glavni aspekti razvoja SAUP u industriji, prototipski pristup i princip integrisanosti; XI naučno-stručna konferencija INDUSTRIJSKI SISTEMI - IS"99, Zbornik abstrakata, Novi Sad, oktobar 1999., str. 34;				
2.	Bojanić, P., Krsmanović, C.: Paths and Crossroads in CAx Technologies Implementation in Engineering at the End of 2nd Millennium, International Journal of INDUSTRIAL SYSTEMS, Vol. 2, Institute of Industrial Systems Engineering, Novi Sad, October 1999, p.p. 69 - 76;				
3.	Krsmanović, C., Lukić, B.: Jedan prilaz automatizaciji projektovanja i izgradnje unikatnih tehničkih sistema; Naučno - stručna konferencija o konstruisanju, oblikovanju i dizajnu KOD 2002, Zbornik radova, Novi Kneževac, maj 2002., p.p. 31 - 36;				
4.	Krsmanović, C., Stefanović, D.: Strategic Planning of Data Protection and Data Access After Catastrophic Events; 6th International Symposium INTERDISCIPLINARY REGIONAL RESEARCH (Hungary, Romania, Yugoslavia), Proceedings, Novi Sad, September 2002;				
5.	Krsmanović, C., Simić, M.: Osnove razvoja i projektovanja multifunkcijskih i inteligentnih tehničkih sistema; XII međunarodna konferencija INDUSTRIJSKI SISTEMI - IS"02, Zbornik radova, Vrnjačka Banja, novembar 2002., p.p. 373 - 380;				
6.	Krsmanović, C., Stefanović, D.: Automatizacija kontrole tokova u industrijskoj proizvodnji - jedan u nizu koraka ka realizaciji CIM; 7. međunarodna konferencija FLEKSIBILNE TEHNOLOGIJE - MMA 2003., Zbornik radova, Novi Sad, jun 2003., p.p. 95 - 96;				
7.	Krsmanović, C.: AUTOMATIZACIJA PROJEKTOVANJA U INDUSTRIJSKOM INŽENJERSTVU, knjiga I: Principi i sredstva automatizacije projektovanja predmeta rada u industrijskim proizvodnim sistemima; univerzitetski udžbenik, januar 1997., Fakultet tehničkih nauka, Novi Sad;				
8.	Krsmanović, C.: Information Technologies on the Start of 21st Century - Stage, Challenges and Perspectives; XIII Scientific Conference on Industrial Systems - IS"05, Herceg Novi, September 2005, Proceedings, p.p. 287 - 300;				
9.	Stefanović, D., Krsmanović, C., Stevanov, B.: A Contribution to the Automatous Preparation of the Work Process System Development in the Industrial Production Systems; XIII Scientific Conference on Industrial Systems - IS"05, Herceg Novi, September 2005, Proceedings, p.p. 405 - 414;				
10.	Mogin, P., Krsmanović, C., Luković, I., Brkić, M. : Basic Elements of the IIS* Approach to Information Systems and Database Design, International Journal of INDUSTRIAL SYSTEMS, Vol. 1, Institute of Industrial Systems Engineering, Novi Sad, Yugoslavia, December 1998.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			7		
Total of SCI(SSCI) list papers :			2		
Current projects :			Domestic :	1	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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Kuzmanović D. Bogdan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1997	Faculty of Economics - Subotica	Economics
Bachelor's thesis	1993	Faculty of Economics - Subotica	Economics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP33	Role and Importance of Prevention in Risk Reduction	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	Z511P	Institutional Framework in Risk Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1713	Non-life insurance management	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1716	Prevetion in insurance	(I20) Engineering Management, Undergraduate Academic Studies
6.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
8.	OIR007	Informacioni sistemi u osiguranju	(I20) Engineering Management, Specialised Professional Studies
9.	OIR008	Preventivne mere u osiguranju	(I20) Engineering Management, Specialised Professional Studies
10.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	Z510	Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
12.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
15.	IM2717	Management of strategic and operational risks of insurance companies	(OM1) Mathematics in Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kuzmanović, B., "THE EFFECT OF CONTEMPORARY BUSINESS TECHNOLOGIES ON BUSINESS PROCESSES IN INURANCE INDUSTRY", Zbornik radova VI međunarodnog savetovanja na sajmu informatike Novi Sad, Novi Sad, 1998. (R54)		
2.	Kuzmanović, B., Stankovski, S., „INTELIGENTNA PODRŠKA I EDI TEHNOLOGIJA U OSIGURANJU“, Zbornik radova međunarodno stručnog skupa, INFOTEH, Jahorina, 25-27 Mart 2005. (R54)		
3.	Kuzmanović, B., Miloradić, J., „Problem osiguranja u poljoprivredi sa posebnim osvrtom na stočarstvo“, Zbornik radova sa međunarodnog skupa: Stočarstvo, veterina i agroekonomija u tranzicionim procesima, 19.-24. jun, Herceg Novi, 2005.		
4.	Kuzmanović B.: Performanse i strategija uvođenja strategijskog partnerstva u vlasništvo – osvrt na „DDOR Novi Sad“, Kopaonik Biznis forum, 2006.		
5.	Kuzmanović, B., "Primena EDI tehnologije u osiguranju i reosiguraju" Zbornik radova V savetovaja na sajmu informatike Novi Sad - Menadžerstvo u upravljanju preduzećem i kvalitetom ISO-9000, Novi Sad, 1997. (R73)		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
Representative references (minimum 5, not more than 10)			
6.	Kuzmanović, B., "Uticaj EDI tehnologije na poslovne procese u osiguranju", Zbornik radova, YU INFO "98, Kopaonik, 1998. (R73)		
7.	Kuzmanović, B., "Opasne materije - proizvodnja, transport i upotreba - bezbednost i osiguranje", Zbornik radova savetovanja, Aranđelovac, oktobar 2002. (R73)		
8.	Kuzmanović, B., „KONKURENCIJA NA TRŽIŠTU OSIGURANJA“, Zbornik radova, Kopaonik-Biznis forum 2005, Kopaonik, 1-3 mart, 2005. (R73)		
9.	Kuzmanović, B., "INTELIGENTNI SISTEMI U OSIGURANJU", Zbornik radova skupa, Niš 25, Maj 2005. (R73)		
10.	Kuzmanović B.: Performanse i strategija uvođenja strategijskog partnerstva u vlasništvo – osvrt na „DDOR Novi Sad“, Kopaonik Biznis forum, 2005.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			
Total of SCI(SSCI) list papers :			
Current projects :		Domestic :	International :

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Lalić P. Bojan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		17.06.2002	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2001	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.	EOS39	Projektni menadžment	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1019	Project Management	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1019	Commercial Processes	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1026	E-Business	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	IM1046	Structural and Development Projects	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1106	Business Process Simulation	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	IM1319	Platforms and systems for knowledge transfer	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
12.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA413	Knowledge Systems and Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA601	Applied use of IT and Internet in business	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Industrial Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
17.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
18.	RPR005	Project Cycle Management	(RPR) Regional Development Planning and Management, Master Academic Studies		
19.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
20.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
21.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies		
22.	IM2307	Strategic Project Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies		
23.	IM2314	Program and Portfolio management	(I20) Engineering Management, Master Academic Studies		
24.	IM2316	Theory of Constraints	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
25.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
26.	IM2922	eHRM	(I20) Engineering Management, Master Academic Studies		
27.	IMDS71	Selected topics of project management	(I22) Engineering Management, Specialised Academic Studies		
28.	S11594	E-Business	(S01) Postal Traffic and Telecommunications, Master Academic Studies		
29.	UP002	Applied Project Cycle Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
30.	IMDR71	Selected topics of project management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
31.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Lalić, B., Ćosić I., Anišić, Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS, International journal of Simulation Modelling, IJSIMM, issn 1726-4529, Volume 4, Number 4, pp. 173-183, Vienna, Austria, December 2005.				
2.	R. Maksimovic, B.Lalić; Flexibility and Complexity of Effective Enterprises, Strojniski Vesnik, 2008.				
3.	Lalić D., Marjanović U., Lalić B.: The influence of social networks on communication satisfaction within the organizations. In: M.M. Cruz-Cunha, P. Goncalves, N. Lopes, E.M. Miranda and G.D. Putnik, ed. Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions., New York, Business Science Reference (IGI Global), 2011, str. 545-566, ISBN 978-1-61350-168-9				
4.	Lalić B., Marjanović U.: Organizational Readiness/Preparedness. In: M.M. Cruz-Cunha and J. Varajao, ed. E-business issues, challenges and opportunities for SMEs: driving competitiveness., New York, Business Science Reference (IGI Global), 2011, str. 101-116, ISBN 978-1-61692-880-3				
5.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1, UDK: ISSN 1726-9687				
6.	Lalić B., Palčić I.: Analytical Hierarchy Process as a Tool for Selecting and Evaluating Projects, International journal of Simulation Modelling-IJSIMM, 2009, Vol. 8, No 1, pp. 16-26, ISSN 1726-4529				
7.	Lalić B., Ćosić I., Anišić Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS , International journal of Simulation Modelling-IJSIMM, 2005, Vol. 4, No 4, pp. 173-183, ISSN 1726-4529				
8.	Jovanovic M., Moreno Perez J., Lalić B., Todorovic V., Jovanović M.: Use of cost analysis, estimation and risk management in making project management decisions in construction, Projektna mreža Slovenije - Project Management Review, 2010, Vol. 8, No 3, pp. 4-9, ISSN 1580-0229				
9.	Lalić B., Ćosić I., Poli M.: Project Strategy Matching Project Structure to Project Type to Achieve Better Success, International Journal of Industrial Engineering and Management - IJIEM, 2010, Vol. 1, No 1, pp. 29-40, ISSN 2217-2661				



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
10.	Poli M., Mithiborwala H., Maksimović R., Lalić B.: PROJECT STRATEGY: SELECTING THE BEST PROJECT STRUCTURE, 9. PICMET Conference, Portland: Portland International Center for Management of Engineering and Technology, 2-6 Avgust, 2009, pp. 1276-1281, ISBN 978-1-890843-20/5		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		4	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 2 International : 2 </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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Lazarević M. Milovan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		11.11.2000	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS19	Dismantling and recycling technologies	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	M316	Production Systems	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1119	Product management at end of life	(I20) Engineering Management, Undergraduate Academic Studies
10.	EI504	Management of Small and Medium Enterprises	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
13.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
14.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
15.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (I1U) Industrial Engineering - Product Lifecycle Management and Development, 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</h2>					
MASTER ACADEMIC STUDIES			Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes					
ID	Course name	Study programme name, study type			
17.	PLM06	Technologies for Disposal at the Products End-Of-Life	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies		
18.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies		
19.	IIDR5S	Advanced Engineering Technologies	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (M50) Energy Management, Master Academic Studies		
20.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies		
21.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
22.	IM2120	Virtual Enterprises	(I20) Engineering Management, Master Academic Studies		
23.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies		
24.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies		
25.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
26.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
27.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
28.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
29.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154				
2.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement (Article in press, Date of acceptance 14. March 2010), Iranian Journal of Science & Technology, Transactions B, 2011, ISSN 1028-6284				
3.	Ostojić G., Lazarević M., Stankovski S., Čosić I. : RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, Broj 11, str. 759-767, ISSN 0039- 2480, UDK: 658.5				
4.	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, Broj 4, str. 364-370, ISSN 0144-5154				
5.	Lazarević M., Ostojić G., Čosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248				
6.	Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Hodolić J., Tadić B., Odri S.: Implementation of automatic identification technology in a process of fixture assembly/disassembly, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 819-825, ISSN 0039-2480				
7.	Lazarević M., Ostojić G., Stankovski S., Čosić I.: Postupak upravljanja proizvodom u celokupnom životnom veku korišćenjem RFID taga, Broj priznatog patenta: 51796, datum priznavanja 24.10.2011. godine., 2011				
8.	Ostojić G., Jovanović V., Stankovski S., Lazarević M.: RFID Product and Part Tracking for the Preventive Maintenance, 4. ASME International Manufacturing Science and Engineering Conference (MSEC), West Lafayette: American Society of Mechanical Engineeris (ASME), 4-7 Oktobar, 2009, ISBN 978-0-7918-3859-4				
9.	Stankovski S., Ostojić G., Lazarević M.: Chapter 14: RFID technology in product lifecycle management, In: Engineering the Future, Bombay, Scyio, 2010, str. 281-296, ISBN 978-953-307-210-4				
10.	Lazarević M., Ostojić G., Stankovski S., Heraković N., Debevec M.: Koncept sledljivosti proizvoda primenom identifikacionih tehnologija, 11. Infoteh, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 21-23 Mart, 2012, pp. 513-516, ISBN 978-99938-624-6-8				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :					11
Total of SCI(SSCI) list papers :					6

	UNIVERSITY OF NOVI SAD					
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation					
MASTER ACADEMIC STUDIES			Industrial Engineering			
Current projects :	Domestic :	4	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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications

Name and last name:		Leber J. Marjan	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih sistema
PhD thesis	2003	University of Maribor - Maribor	Production Systems, Organization and Management
Magister thesis	1993	University of Maribor - Maribor	Production Systems, Organization and Management
Bachelor's thesis	1982	University of Maribor - Maribor	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1039	Fundamentals of Operations management	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	IM1119	Product management at end of life	(I20) Engineering Management, Undergraduate Academic Studies
3.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
4.	EI504	Management of Small and Medium Enterprises	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
5.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
6.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	IM2222	Managing Innovation Projects	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
8.	IM2315	Product and Process Improvement Projects	(I20) Engineering Management, Master Academic Studies
9.	IM2316	Theory of Constraints	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
11.	IM2922	eHRM	(I20) Engineering Management, Master Academic Studies
12.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
13.	ZRD28A	Selected topics in the science of occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	POLAJNAR, Andrej, LEBER, Marjan, VUJICA-HERZOG, Nataša. Muscular-skeletal diseases require scientifically designed sewing workstations. Stroj. vestn., 2010, vol. 56, no. 1, str. 31-40. http://sl.svjme.eu/scripts/download.php?file=/data/upload/2010/01/4_2008_118_Polajnar_zl.pdf . [COBISS.SI-ID 13950486]		
2.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Analysis of different transport solutions in the flexible manufacturing cell by using computer simulation. Int. j. oper. prod. manage., 1995, let. 15, št. 6, str. 51-58. [COBISS.SI-ID 7611908]		
3.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Racionalizacija v serijski proizvodnji po načelih tipske tehnologije = Rationalization of series production by applying the principles of type technology. Stroj. vestn., 1995, let. 41, št. 7/8, str. 263-270. [COBISS.SI-ID 7901444]		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Načrtovanje zanesljivosti izdelkov in proizvodnih sistemov z upoštevanjem analize mogočih napak in njihovih posledic = Planning of product reliability and production systems by using failure modes and effects analysis. Stroj. vestn., 1994, let. 40, št. 9/10, str. 333-338. [COBISS.SI-ID 6902532]		
5.	KALPIČ, Branko, POLAJNAR, Andrej, LEBER, Marjan, BUCHMEISTER, Borut. Navidezna resničnost - simulirno orodje prihodnosti = Virtual reality - simulation tool of the future. Stroj. vestn., 1998, let. 44, št. 5/6, str. 187-194. [COBISS.SI-ID 2631963]		
6.	BUCHMEISTER, Borut, LEBER, Marjan, PAVLINJEK, Jože. Impact of periodic changing demand to supply chain inventories. Mech. Eng. Sci. J. (Skopje), 2007, vol. 26, no. 2, str. 79-86. [COBISS.SI-ID 12189974]		
7.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Successful FMEA study based on QFD analysis. Acta Mech. Slovaca (Košice), 2002, ročnik 6, 2, str. 187-190. [COBISS.SI-ID 7165206]		
8.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Simulationsvergleich von Modellen für die Layoutplanung. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 277-279. [COBISS.SI-ID 6328580]		
9.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Qualitätssicherung der Produktionsplanung durch Anwendung der Fehlermöglichkeits- und Einflussanalyse. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 324-327. [COBISS.SI-ID 6328836]		
10.	FULDER, Tatjana, PIŽMOHT, Petja, POLAJNAR, Andrej, LEBER, Marjan. Ergonomically designed workstation based on simulation of worker's movements. Int. j. simul. model., Mar. 2005, vol. 4, no. 1, str. 27-34. [COBISS.SI-ID 9448214]		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Lužanin B. Ognjan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		09.11.1992	
Scientific or art field:		Plastic Deformation Technology, Rapid Prototyping, Virtual	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design

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

	ID	Course name	Study programme name, study type
1.	IA016	Introduction to Virtual Reality Technology	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P2411	Virtual Production in Technologies of Plastic Deforming	(P00) Production Engineering, Undergraduate Academic Studies
3.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
5.	F50410	3D Printing	(F00) Graphic Engineering and Design, Master Academic Studies
6.	NIT01	Innovative Product Development	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
7.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
8.	SM1061	Integrated VR development environments for engineering applications	(PM0) Production Engineering, Master Academic Studies
9.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
10.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768		
2.	Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 978-3-514-00754-3		
3.	Ostojić G., Tadić B., Lužanin O., Stankovski S., Vukelić Đ., Budak I., Miladinović Lj.: An integral system for automated cutting tool selection, Scientific Research and Essays, 2011, Vol. 6, No 15, pp. 3240-3251, ISSN 1992-2248		
4.	Vukelić Đ., Tadić B., Lužanin O., Budak I., Križan P., Hodolić J.: A rule-based system for fixture design, Scientific Research and Essays, 2011, Vol. 6, No 27, pp. 5787-5802, ISSN 1992-2248		
5.	Lužanin O., Plančak M.: Enhancing Gesture Dictionary of a Commercial Data Glove Using Complex Static Gestures and an MLP Ensemble, Strojinski vestnik - Journal of Mechanical Engineering, 2009, Vol. 55, No 4, pp. 230-236, ISSN 0039-2480		
6.	Vukelić Đ., Tadić B., Jovanović M., Lužanin O., Simeunović N.: A System for Computer-Aided Selection of Cutting Tools, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809		
7.	Lužanin O., Plančak M.: Virtual reality technologies in virtual manufacturing-notes on current trends and applications, Journal for technology of Plasticity, 2008, Vol. 33, No 1-2, pp. 103-111.		
8.	Vilotić D., Plančak M., Kuzman K., Milutinović M., Movrin D., Skakun P., Lužanin O.: Application of net shape and near-net shape forming technologies in manufacture of roller bearing components and cardan shafts, Journal for technology of Plasticity, 2007, Vol. 32, No 1-2, pp. 87-104.		
9.	Milutinović M., Vilotić D., Plančak M., Trbojević I., Čupković Đ., Lužanin O.: Hot ring rolling in bearing production, Journal for Technology of Plasticity, 2005, Vol. 30, No 1-2, pp. 61-73, ISSN 0354-3870.		
10.	Novaković D., Lužanin O., Zeljković Ž., Hodolić J.: Enhancement of Tribological Characteristics of Gears by Application of Software Package for Gear Trains Design, Journals Tribology in industry, 1998, Vol. 20, No 2, pp. 47-51, ISSN 0351-1642.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		0		
Total of SCI(SSCI) list papers :		5		
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Maksimović M. Rado	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		12.06.1979	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2008	University of Novi Sad - Novi Sad	Production Systems, Organization and Management
PhD thesis	1998	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z421	Operacioni menadžment(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	BM118C	Medical management	(BM0) Biomedical Engineering, Undergraduate Academic Studies
3.	IM1021	Developmental Processes in Company	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1031	Enterprise's organization	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1113	Improvement of products and processes	(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	IMDS60	Enterprise Complexity and Flexibility	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDS65	Entrepreneurship and Organizational Development	(I22) Engineering Management, Specialised Academic Studies
10.	I901	Manufacturing performance measurement	(I10) Industrial Engineering, Master Academic Studies
11.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
12.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	IIDS19	Organizational structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
15.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
17.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
18.	IM2113	Design of enterprise's organization	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2114	Enterprise's performances	(I20) Engineering Management, Master Academic Studies
20.	IM2119	Layout and location of the enterprise	(I20) Engineering Management, Master Academic Studies
21.	IM2321	Management of project oriented enterprises	(I20) Engineering Management, Master Academic Studies
22.	IMDS69	Selected chapters in enterprise's design, organization and control	(I22) Engineering Management, Specialised Academic Studies
23.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR12	Organizational structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR60	Enterprise Complexity and Flexibility	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR65	Entrepreneurship and Organizational Development	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR69	Selected chapters of enterprise's management and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Njegomir V., Maksimović R.: The overview of some basic issues in insurance market - the case of Serbian insurance risk transfer market, Transformations in Business & Economics (TIBE), 2012, Vol. 11, No 2, pp. 51-69, ISSN 1648-4460		
2.	Marković V., Maksimović R.: A contribution to continual software service improvement based on the six-step service improvement method, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, 2012, Vol. 22, No 4, pp. 549-569, ISSN 0218-1940		
3.	Zelenović, D., Ćosić, I., Maksimović, R.: IISE - APPROACH IN DEVELOPMENT OF EFFECTIVE MANUFACTURING SYSTEMS - COMPANIES, U: Suresh, N.C, Kay, M.J.: GROUP TECHNOLOGY & CELLULAR MANAGEMENT - A state of-The-Art Synthesis of Research & Practice, New York: Cluwer Pres, Buffalo - New York, 1998, ISBN 0-7923-8080-0. pp. 517- 536.		
4.	Maksimović, R, Lalić, B: Flexibility and Complexity of Effective Enterprises, Strojniški vestnik - Journal of mechanical engineering, 2008, Vol. 54, No. 11, pp. 768- 782, UDK: 658.51, ISSN 0039-2480		
5.	Maksimović, R., Stankovski, S., Ostojić, G., Petrović, S, Ratković, Ž.: Complexity and Flexibility of Production Structures, Journal of Scientific and Industrial Research, 2009, 101-105, ISSN 0022-4456		
6.	Borocki J., Ćosić I., Lalić B., Maksimović R.: Analysis of Company Development Factors in Manufacturing and Service Company: a Strategic Approach, Strojniški vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 1, pp. 55-68, ISSN 0039-2480, UDK: DOI:10.5545/sv-jme.2010.030		
7.	Marović, B., Njegomir, V., Maksimović, R.: The implications of the financial crisis to the insurance industry - Global and regional perspective, Economic research, 2010, Vol. 23, No. 2, 127-141, ISSN 1331-677X.		
8.	Obadović M., Maksimović R., Obadović M.: The estimate of the market risk by the application of historical simulation method in the period of growth of stock exchange indices on Belgrade stock exchange, Economic research, 2010, Vol. 23, No 3, pp. 82-95, ISSN 1331-677X, UDK: UDK 330.322:336.76		
9.	Djuric, Ž., Maksimović, R., Adamović, Ž.: Key performance indicators in a joint-stock company, AFRICAN JOURNAL OF BUSINESS MANAGEMENT, 4 (6): 890-902, 2010		
10.	Radišić, O., Radišić, M., Maksimović, R. et al. 2012. Industrial Cogeneration Appliance--An Example of a Drilling Rig. J Can Pet Technol 51 (6): 487-492. SPE-157689-PA. http://dx.doi.org/10.2118/157689-PA .		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		8	
Total of SCI(SSCI) list papers :		11	
Current projects :		Domestic :	International :
		2	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Mandić M. Vladimir	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.07.2003	
Scientific or art field:		Information-Communication Systems	
Academic carier	Year	Institution	Field
Academic title election:	2012		Information-Communication Systems
PhD thesis	2012	University of Oulu - Oulu	Informatics
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1024	Algorithms and Data Structures	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1046	Agile Approaches in Software Development	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1506	Database Design	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1516	Database Systems	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1518	Modern programming techniques	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1520	Service-Oriented Architectures	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS33	Structures of Modern Information and Communication Systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IMDS36	Advanced data models and database systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	I834	Empirical Software Engineering	(I10) Industrial Engineering, Master Academic Studies
10.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
11.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	IM2513	Data Warehouse Design	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
13.	IM2514	Software Quality Assurance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2521	Distance Learning and Remote Work	(I20) Engineering Management, Master Academic Studies
15.	IM2522	Software testing principles and methods	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Mandić V.: MEASUREMENT-BASED VALUE ALIGNMENT AND REASONING ABOUT ORGANIZATIONAL GOALS AND STRATEGIES: STUDIES WITH THE ICT INDUSTRY, UNIVERSITY OF OULU, 2012, ISBN 978-951-42-9907-0		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
Representative references (minimum 5, not more than 10)			
2.	Mandić V., Oivo M.: SAS: A Tool for the GQM Strategies Grid Derivation Process, Lecture notes in computer science, 2010, Vol. 6156, pp. 291-305, ISSN 0302-9743		
3.	Mandić V., Harjumaa L., Markkula J., Oivo M.: Early Empirical Assessment of the Practical Value of GQM Strategies, Lecture notes in computer science, 2010, Vol. 6195, pp. 14-25, ISSN 0302-9743		
4.	Mandić V., Basili V., Harjumaa L., Oivo M., Markkula J.: Utilizing GQM Strategies for business value analysis: an approach for evaluating business goals., 4. International Symposium on Empirical Software Engineering and Measurement - ESEM, Bolzano: ACM, 16-17 September, 2010, pp. 1-10, ISBN ISBN 978-1-4503-003		
5.	Mandić V., Markkula J., Oivo M.: Towards Multi-Method Research Approach in Empirical Software Engineering, Lecture Notes in Business Information Processing, 2009, Vol. 32, pp. 96-110, ISSN 1865-1348		
6.	Mandić V., Oivo M., Rodriguez P., Kuvaja P., Kaikkone H., Turhan B.: What Is Flowing in Lean Software Development?, Lecture Notes in Business Information Processing, 2010, Vol. 65, pp. 72-84, ISSN 1865-1348		
7.	Mandić V., Basili V., Oivo M., Harjumaa L., Markkula J.: Utilizing GQM Strategies for an Organization-Wide Earned Value Analysis, 36. EUROMICRO Conference on Software Engineering and Advanced Applications - SEAA, Lille: IEEE, 1-3 September, 2010, pp. 255-258, ISBN ISBN 978-1-4244-7901		
8.	Mandić V., Gvozdenović N.: Raspoređivanje vozila u javnim gradskim saobraćajnim preduzećima , Strategijski menadžment, 2004, Vol. 7, No 4, pp. 107-109, ISSN 0354-8414		
9.	Mandić V., Čokrić D.: Naziv: Component-based application development in .NET environment Naziv skupa: YUINFO 2006		
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

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Marić B. Branislav	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2009	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1995	Faculty of Technical Sciences "Mihajlo Pupin" in Zrenjanin - Zrenjanin	Organization Science
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Organization Science
Bachelor's thesis	1977	Faculty of Technical Sciences - Novi Sad	Organization Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I914	Project Management	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M317	Economy	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	II121	Principles of economics	(S11) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	IM1014	Company Economics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
6.	IM1102	Investment Management	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1419	Strategic resource allocation and planning	(I20) Engineering Management, Undergraduate Academic Studies
8.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDS88	Planning and implementing cost structure of the investment cycle	(I22) Engineering Management, Specialised Academic Studies
10.	MBA303	Economics for Managers	(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	LIM33	Logistic Economics	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
13.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2122	The rating company profitability	(I20) Engineering Management, Master Academic Studies
15.	IM2414	Technical Analyses and the Trading Systems	(I20) Engineering Management, Master Academic Studies
16.	IM2418	Support to management decision making	(I20) Engineering Management, Master Academic Studies
17.	IM2424	Investment management	(M50) Energy Management, Master Academic Studies
18.	IM2425	Economics of the Firm	(M50) Energy Management, Master Academic Studies
19.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, 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</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
20.	IMDR88	Planning and implementing cost structure of the investment cycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kiurski J., Marić B., Adamović D., Mihailović A., Grujić S., Oros I., Krstić J.: Register of hazardous materials in printing industry as a tool for sustainable development management, Renewable and Sustainable Energy Reviews, 2012, Vol. 16, No 1, pp. 660-667, ISSN 1364-0321, UDK: doi:10.1016/j.rser.2011.08.030		
2.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233		
3.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233		
4.	Marić B., Demko-Rihter J., Mitrović V., Rovčanin M.: Functional correlations between the efficiency indicators of investments, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2979-2984, ISSN 1993-8233		
5.	Marić B., Kamberović B., Radlovački V., Delić M., Zubanov V.: Observing the dependence between dynamic indicators of investment profitability - Relative net present value and internal rate of return, African Journal of Business Management, 2011, Vol. 5, No 26, pp. 331-337, ISSN 1993-8233		
6.	Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R.: Analysis of internal rate of return on investments: Dynamic and static approach, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233		
7.	Organizacija preduzeća, Fakultet za preduzetni menadžment, Novi Sad, 2006.		
8.	Upravljanje projektima, Fakultet za preduzetni menadžment, Novi Sad, 2000.		
9.	Upravljanje investicijama, Fakultet tehničkih nauka, 2010.		
10.	Osnove organizacije rada, Fakultet tehničkih nauka, 1982.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		6	
Current projects :		Domestic :	1
		International :	0

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Milisavljević M. Stevan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2007	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Master's thesis	2006	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Bachelor's thesis	2006	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	IM1030	Integral Systems Support - Logistic	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1049	Supply chain Management	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1614	Organization and Management of Logistic	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1814	Industrial Customer Relationship Management	(I20) Engineering Management, Undergraduate Academic Studies
7.	I501	Risk Management	(I10) Industrial Engineering, Master Academic Studies
8.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	LIM05	Fundamentals of Logistic Management	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM16	Production Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM19	Customer Relationship Management	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM30	Inventory Planning and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	LIM31	Reverse and Green Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
14.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
15.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
17.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
18.	IM2615	Lean Logistics	(I20) Engineering Management, Master Academic Studies
19.	IM2618	Transportation management	(I20) Engineering Management, Master Academic Studies
20.	IM2619	Stock planning and management	(I20) Engineering Management, Master Academic Studies
21.	IM2621	Customer Relationship Management	(I20) Engineering Management, Master Academic Studies
22.	IM2815	Logistics in Engineering Marketing	(I20) Engineering Management, 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</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
23.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
24.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Mitrović S., Nikolić (Pavlović) J., Milisavljević S., Čosić I.: Factors influencing managerial decision-making in industrial systems, 5. International Symposium on Industrial Engineering, Beograd: Masinski fakultet Beograd, 14-15 Jun, 2012, pp. 67-73, ISBN 978-86-7083-758-4, UDK: 191329292		
2.	Mitrović S., Ivanišević A., Milisavljević S.: Upravljanje proizvodnim sistemom u funkciji poboljšanja poslovnih performansi preduzeća, 13. Internacionalni naučni skup Strategijski menadžment i sistemi podrške odlučivanju u stratejskom menadžmentu, Palić: Ekonomski fakultet u Subotici, 15-16 Maj, 2008, ISBN 978-86-7233-233-0		
3.	*****Milisavljević S., Mitrović S., Ivanišević A.: ULOGA LOGISTIČKOG PROCESA U INDUSTRIJSKIM SISTEMIMA/ Naziv skupa: XIII Internacionalni nauci skup SM 2008		
4.	Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950		
5.	Mitrović S., Grubić-Nešić L., Milisavljević S., Melović B., Babinkova Z.: Manager's Assessment of Organizational Culture, E M Ekonomie a Management, ISSN 1212-3609.		
6.	Mitrović S., Milisavljević S., Čosić I., Leković B., Grubić-Nešić L., Ivanišević A.: Change in leadership styles in a transitional economy: A serbian case study, African Journal of Business Management, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233		
7.	Melović B., Mitrović S., Milisavljević S., Pejanović R., Čelić Đ.: Research of consumption and competitiveness of homemade products for manufacturing improvements: A case study from Montenegro, African Journal of Agricultural Research, 2012, Vol. 7, pp. 3757-3764, ISSN 1991-637X		
8.	Grubić-Nešić L., Mitrović S., Melović B., Milisavljević S.: Research among Employees in the Agricultural Sector, HealthMED, 2013, ISSN 1840-2991		
9.	Milisavljević S., Grubić-Nešić L.: Doprinos sistema kvaliteta pozicioniranju preduzetništva, 2. Preduzetnička konferencija "Zapošljavanje kroz prizmu preduzetništva", Podgorica: Ekonomski fakultet Podgorica, 18 Maj, 2012, ISBN 978-86-80133-56-0		
10.	Mirković M., Čulibrk D., Anderla A., Stefanović D., Milisavljević S.: A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		2	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	2
		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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Mirković R. Milan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.2007	
Scientific or art field:		Information-Communication Systems	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Master's thesis	2005	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	2005	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z201	Fundamentals of Computer Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z201A	Fundamentals of Computer Technologies	(Z01) Safety at Work, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1514	Web-oriented Technologies and Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1515	Mobile information technologies	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1813	Multimedia and global media	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1815	Industrial Internet marketing	(I20) Engineering Management, Undergraduate Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA415	Development of services, products and marketing of technological innovation	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	LIM02	Business Information Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
19.	IM2518	Captology - procedures and methods	(I20) Engineering Management, Master Academic Studies
20.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
21.	IM2520	E-commerce Procedures and Methods	(I20) Engineering Management, 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</h2>				
	MASTER ACADEMIC STUDIES		Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
22.	IM2816	Data mining in industrial marketing	(I20) Engineering Management, Master Academic Studies		
23.	IM2821	Digital products design and Human-Computer Interaction	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
24.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies		
25.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
26.	IMDR55	Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
27.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
28.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Mirković M., Čulibrk D., Papadopoulos S., Zigkolis C., Kompatsiaris Y., McArdle G., Crnojević V.: A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr				
2.	Stefanović D., Mirković M., Planning Resources For Manufacturing As One Of The Steps In CIM Realization, PSU – UNS International Conference, on Engineering and Environment – ICEE-2005				
3.	Stefanović M. D., Banović Ž. A., Mirković B. M., A Contribution To Data Protection Strategy – Integration With Database Applications, 5th International Conference – Research And Development In Mechanical Industry – RaDMI 2005				
4.	Mirković M., Čulibrk D., Milisavljević S., Crnojević V.: Detecting attractive locations using publicly available user-generated video content – central Serbia case study, 18. TELFOR, Beograd, 23-25 Novembar, 2010				
5.	Mirković M., Čulibrk D., Crnojević V.: Computational Social Networks (Chapter: Mining Geo-Referenced Community-Contributed Multimedia Data), London, Springer, 2012, str. 81-102, ISBN 978-1-4471-4053-5				
6.	Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D.: Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149				
7.	Čulibrk D., Mirković M., Lugonja P., Crnojević V.: Mining Web Videos for Video Quality Assessment, 2. International Conference of Soft Computing and Pattern Recognition - SocPar, Pariz, 7-10 Decembar, 2010				
8.	Mirković M., Čulibrk D., Anderla A., Stefanović D., Milisavljević S.: A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8				
9.	Stefanović D., Mirković M., Anderla A., Drapšin M., Drid P., Radjo I.: Investigating erp systems success from the end user perspective, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 1089-1099, ISSN 1840-1503				
10.	Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D.: Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			12		
Total of SCI(SSCI) list papers :			2		
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Ostojić M. Gordana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		06.03.2000	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
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.	H1501A	Systems for Surveillance and Visualisation of Process	(H00) Mechatronics, Undergraduate Academic Studies
5.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
6.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
7.	BM116B	Acquisition, analysis and monitoring of medical data	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BM116C	Motion control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BM119C	Automatic identification in bioengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
13.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
14.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
15.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
16.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
17.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
18.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
19.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
20.	H1503	Non Industrial Robotics and Automation in Buildings	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
21.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
22.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
23.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Industrial Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
24.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies		
25.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies		
26.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
27.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies		
28.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies		
29.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies		
30.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies		
31.	IM2716	Automation systems in insurance	(I20) Engineering Management, Master Academic Studies		
32.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies		
33.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies		
34.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies		
35.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies		
36.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies		
37.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies		
38.	HDOL13	Motion control and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
39.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
40.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
41.	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				
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.	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 and Technology - Transactions of Mechanical Engineering, Vol. 36, No. M1 , pp. 95-106, ISSN 2228-6187.				
5.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M.: IML Robot Grasping Process Improvement, Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, Vol. 35, No. M1 , pp. 61-71, ISSN 2228-6187.				
6.	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				
7.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154				
8.	Ostojić, G., Stankovski, S.: Sistemi i uređaji za praćenje proizvoda tokom životnog ciklusa, Fakultet tehničkih nauka, 2012				
9.	Ostojić, G., Stankovski, S., Tarjan, L., Šenk, I., Jovanović, V., DEVELOPMENT AND IMPLEMENTATION OF DIDACTIC SETS IN MECHATRONICS AND INDUSTRIAL ENGINEERING COURSES, International Journal of Engineering Education; 2010, Vol. 26, No. 1, pp. 2-8, ISSN 0949-149X				

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
10.	Popkonstantinović B., Miladinović Lj., Stoimenov M., Petrović D., Ostojić G., Stankovski S.: DESIGN, MODELLING AND MOTION SIMULATION OF THE REMONTOIRE MECHANISM, Transactions of FAMENA, 2011, Vol. 35, No 2, pp. 79-93, ISSN 1333-1124.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		25	
Total of SCI(SSCI) list papers :		17	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Plančak E. Miroslav	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.1975	
Scientific or art field:		Plastic Deformation Technology, Rapid Prototyping, Virtual	
Academic career	Year	Institution	Field
Academic title election:	1995	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1985	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology
Bachelor's thesis	1969	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.	IA016	Introduction to Virtual Reality Technology	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P207	Metal forming	(P00) Production Engineering, Undergraduate Academic Studies
3.	P2401	Advanced Methods in Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
4.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
5.	P303	Machines for Processing by Deforming	(P00) Production Engineering, Undergraduate Academic Studies
6.	P3403	Technology of Plastic Forming - Shaping of plastic material	(P00) Production Engineering, Undergraduate Academic Studies
7.	P3503	Machines and Devices for Plastic Processing	(P00) Production Engineering, Undergraduate Academic Studies
8.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	M2062	Mechanical engineering technologies 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	P2407	Rapid Prototyping and Rapid Tooling	(PM0) Production Engineering, Master Academic Studies
11.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
12.	P3503A	Contemporary Process Systems for Plastic Treatment	(PM0) Production Engineering, Master Academic Studies
13.	NIT01	Innovative Product Development	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
15.	MIA11	Machines and dies for powder forming	(PM0) Production Engineering, Master Academic Studies
16.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
17.	PMISP1	Modelling and Simulation of Metal Forming Processes	(PM0) Production Engineering, Master Academic Studies
18.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP008	Contemporary Methods and TPD Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
22.	DP012	Physical Modelling and TPD Simulation by Computers	(M00) Mechanical Engineering, Doctoral Academic Studies
23.	DP015	Nonconventional Procedures of Forming in TPD	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP027	Advanced technologies of plastics packaging manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DP029	Advanced Development of Polymeric Products	(M00) Mechanical Engineering, Doctoral Academic Studies

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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	Essa K., Kacmarcik I., Hartley P., Plancak M., Vilotic D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol 212, Nr 4, pp. 817-824, ISSN/ISBN: 0924-0136		
2.	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		
3.	Plančak M., Bramley A. N., Osman F. H.: Some observation on contact stress measurement by pin load cell in bulk metal forming, Journal of Material and Processing Technology 60, 1996, pp. 339-342, ISSN/ISBN: 0924-0136		
4.	Plančak M., Bramley A. N., Osman F. H.: Non conventional cold extrusion, Journal of Material and Processing Technology 34, 1992, pp. 465-472, ISSN/ISBN: 0924-0136		
5.	Hiroši I., Plančak M.: Coining process as a means of controlling surface microgeometry, Journal of Material Processing Technology, Vol 80-81, 1998, pp. 101-107, ISSN/ISBN: 0924-0136		
6.	Plančak M., Vollertsen F., Woitschig J.: Analysis, finite element simulation and experimental investigation of friction in tube hydroforming, Journal of Material Processing Technology, Vol. 170, Issue I-2, 2005, pp.220-228, ISSN/ISBN: 0924-0136		
7.	Vollertsen F., Plančak M.: On possibilities for the determination of the coefficient of friction in hydroforming of tubes, Journal of Material processing Technology, Vol 125-126, 2002, pp. 412-420, ISSN/ISBN: 0924-0136		
8.	Plančak M.: Stress distribution within specimen in cold forward extrusion of steel, Journal of Materials Processing Technology, Vol 24, 1990, pp. 387-394, ISSN/ISBN: 0924-0136		
9.	Vilotic D., Alexandrov S., Plancak M., Vilotic M., Ivanisevic I., Kacmarcik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International Special Issue, 2012, pp. 1175-1178, ISSN: 1611-3683		
10.	Plancak M., Hartley P., Essa K., Vilotic D., Movrin D., Luzanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International Special Issue, 2012, pp. 1247-1250, ISSN/ISBN: 1611-3683		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		92	
Total of SCI(SSCI) list papers :		23	
Current projects :		Domestic :	1
		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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Radlovački S. Vladan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.11.1992	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carier	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1014	Product measurement and control techniques	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1036	Methods and techniques of quality improvement	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1020	Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1037	Environmental Management System	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1606	Designing, Auditing and Analyses of Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1612	Methods and techniques of quality system improvements	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1613	Product measurement and control techniques	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1616	Quality planning	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1617	Quality Managment System in Service Provision	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1619	Quality and Procurement	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1622	Information Security Management System	(I20) Engineering Management, Undergraduate Academic Studies
12.	I503	Models of Excellence in Quality Management Systems	(I10) Industrial Engineering, Master Academic Studies
13.	I504	Integrated Management Systems	(I10) Industrial Engineering, Master Academic Studies
14.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
15.	I309	Quality Management System	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	LIM21	Total Quality Management and Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	I912	Process approach and quality	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
19.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
20.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
21.	IM2613	Models of Excellence in Quality Management Systems	(I20) Engineering Management, Master Academic Studies

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	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
22.	IM2614	Integrated Management Systems	(I20) Engineering Management, Master Academic Studies
23.	IM2616	Product and service quality improvement - lean six sigma	(I20) Engineering Management, Master Academic Studies
24.	IM2617	Information Systems to Support Quality, Logistics and Maintenance	(I20) Engineering Management, Master Academic Studies
25.	IM2623	Total Quality Management	(I20) Engineering Management, Master Academic Studies
26.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
27.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
28.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
33.	IMDR83	Quality and organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
34.	ZRD212	Integrating occupational health and safety requirements into management systems	(Z01) Safety at Work, Doctoral Academic Studies
35.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B.: Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480		
2.	Delić M., Radlovački V., Kamberović B., Vulcanović S., Hadžistević M., Tasić N.: ESTIMATES OF QUALITY MANAGEMENT SYSTEMS IN SERBIA, Metalurgia international, 2013, No 4, ISSN 1582-2214		
3.	Jovanović R., Radlovački V., Pečujlija M., Kamberović B., Delić M., Grujić J.: Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments, Medicinski glasnik (BiH), 2012, Vol. 9, No 2, pp. 231-237		
4.	Radlovački V., Pečujlija M., Kamberović B., Jovanović R., Delić M., Beker I.: SATISFACTION OF HIGH SCHOOL STUDENTS WITH THE APPLICABILITY OF THEIR KNOWLEDGE, TTEM. Tehnics technologies education management, 2012, Vol. 7, No 2, pp. 777-785, ISSN 1840-1503		
5.	Radlovački V.: Opšti procesni model i ocenjivanje efikasnosti sistema menadžmenta kvalitetom u skladu sa zahtevima serije standarda ISO 9000, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, FTN Izdavaštvo, 2011, ISBN 978-86-7892-346-3, UDK: 005.336.3 006.83		
6.	Kamberović B., Radlovački V.: RAZVOJ I STRUKTURA STANDARDA SISTEMA KVALITETA u knjizi: Dr Vojislav Vulcanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radlovački, M. Šilobad: SISTEM KVALITETA ISO 9001:2000, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2007, str. 7-38, ISBN 978-86-907041-3-2, UDK: 005.336.3 006.83		
7.	B. Kamberović, N. Radaković, V. Radlovački: ZNAČAJ UPRAVLJANJA DOKUMENTACIJOM SISTEMA KVALITETA ZA UNAPREĐENJE PROCESA RADA, Rad saopšten na VII međunarodnoj konferenciji "Fleksibilne tehnologije", Zbornik radova konferencije, str. 87-88, Novi Sad, jun 2000.		
8.	V. Radlovački, B. Kamberović, M. Brkić: SISTEM ZA UPRAVLJANJE ZAPISIMA KAO POGODNA OSNOVA ZA PROJEKTOVANJE INFORMACIONOG SISTEMA, 4. međunarodni kongres Kvalitet - Most ka Evropi, Beograd, 29 - 31. maj 2002., rad objavljen u zborniku radova u elektronskoj formi (CD), objavljen u časopisu Menadžment totalnim kvalitetom, YUSQ, Beograd, No 3-4, Vol 30, str. 145-150, UDK 658.5, YU ISSN 0354-9771		
9.	Štrbac B., Hadžistević M., Vrba I., Radlovački V., Hodolić J.: Analysis of Influencing Factors on Stylus Calibration of CMM, 22. DAAAM International Symposium, Vienna: DAAAM International Viena, 23-26 Novembar, 2011, pp. 1665-1666, ISBN 978-3-901509-83-4, UDK: 1726-9679		
10.	Marić B., Kamberović B., Radlovački V., Delić M., Zubanov V.: Observing the dependence between dynamic indicators of investment profitability - Relative net present value and internal rate of return, African Journal of Business Management, 2011, Vol. 5, No 26, pp. 331-337, ISSN 1993-8233		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		6	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Ristić M. Sonja	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2006	
Scientific or art field:		Information-Communication Systems	
Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2003	Faculty of Economics - Subotica	Information-Communication Systems
Magister thesis	1994	Faculty of Economics - Subotica	Information-Communication Systems
Bachelor's thesis	1989	Faculty of Economics - Subotica	Economics
Bachelor's thesis	1983	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.	Z201	Fundamentals of Computer Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z201A	Fundamentals of Computer Technologies	(Z01) Safety at Work, Undergraduate Academic Studies
3.	ISIT3A	Metodologije i sistemi za upravljanje IT resursima	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	H401	Object Oriented Technologies	(H00) Mechatronics, Undergraduate Academic Studies
5.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1506	Database Design	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
8.	IM1512	Object-oriented Infomation Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
9.	IM1516	Database Systems	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	IM1519	Information System Architecture and Computer Networks	(I20) Engineering Management, Undergraduate Academic Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	IMDS33	Structures of Modern Information and Communication Systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	IMDS36	Advanced data models and database systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	PLM11	Product Data Management	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
15.	LIM02	Business Information Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	E2537	IT Resources Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
17.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
18.	IM2513	Data Warehouse Design	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
20.	PLM04	Product Data Management	(I20) Engineering Management, Specialised Professional Studies
21.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR36	Advanced Data Models and Database Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
23.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Luković I., Popović A., Mostić J., Ristić S.: A Tool for Modeling Form Type Check Constraints and Complex Functionalities of Business Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 2, pp. 359-385, ISSN 1820-0214		
2.	Lukovic I, Mogin P, Pavicevic J, Ristic S, An Approach to Developing Complex Database Schemas Using Form Types, Software: Practice and Experience, Volume 37, Issue 15, Pages 1621-1656, December 2007. Online ISSN: 1097-024X Print ISSN: 0038-0644 Copyright 2007 John Wiley & Sons, Ltd. Hoboken, USA, Published Online: May 29 2007 12:28PM DOI: 10.1002/spe.820		
3.	Aleksić S., Ristić S., Luković I., Čeliković M.: A Design Specification and a Server Implementation of the Inverse Referential Integrity Constraints, Computer Science and Information Systems (ComSIS), 2013, Vol. 10, ISSN 1820-0214 (Accepted for publishing)		
4.	Ristić S., Luković I., Pavičević J., Mogin P.: Resolving Database Constraint Collisions Using IIS*Case Tool, Journal of Information and Organizational Sciences (JIOS), 2007, Vol. 31, No 1, pp. 187-206, ISSN 1846-3312, UDK: 004.651		
5.	Luković I., Ristić S., Mogin P., Pavičević J.: Database Schema Integration Process – A Methodology and Aspects of Its Applying, Novi Sad Journal of Mathematics, 2006, Vol. 36, No 1, pp. 115-150, ISSN 1450-5444		
6.	Luković I., Mogin P., Govedarica M., Ristić S.: The Structure of A Subschema and Its XML Specification, Journal of Information and Organizational Sciences (JIOS), 2002, Vol. 26, No 1-2, pp. 69-85, ISSN 1846-3312		
7.	Ristić S., Aleksić S., Luković I., Banović J.: Form-Driven Application Development, Acta Electrotechnica et Informatica, Faculty of Electrical Engineering and Informatics, Technical University Kosice, 2012, Vol. 12, No 1, pp. 9-16		
8.	Ristić S.: Lean Thinking Principles in the Context of Model-Driven Software Development, 1. International Scientific Conference on Lean Technologies - LeanTech, Novi Sad: Faculty of Technical Sciences, 13-14 Septembar, 2012, pp. 233-239, ISBN 978-96-7892-445-3		
9.	Ristić S., Luković I., Aleksić S., Banović J., Al-Dahoud A.: An Approach to the Specification of User Interface Templates for Business Applications, 5. Balkan Conference in Informatics, Novi Sad: ACM New York, USA, 16-20 Septembar, 2012, pp. 124-129, ISBN 978-1-4503-1240-0		
10.	Ristić S., Rakić-Skoković M., Al-Dahoud A.: An Overview of the Approaches for A PLM Application's Customization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 217-222, ISBN 978-86-7892-341-8		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		14	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	2
		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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial 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			
		MASTER ACADEMIC STUDIES		Industrial 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</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial 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

	<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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Stefanović M. Darko	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.02.2001	
Scientific or art field:		Information-Communication Systems	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1018	Design of Information Systems	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1039	Resource planning systems in manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1049	Manufacturing documentation management (DMS)	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1029	Information and communication systems	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1048	Enterprise resource planning systems	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1514	Web-oriented Technologies and Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS33	Structures of Modern Information and Communication Systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IMDS37	CAE/CAD/CAM and CIM Concepts and Systems	(I12) Industrial Engineering, Specialised Academic Studies
9.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
10.	IIDS8	Selected chapters from Information, management and communication systems	(G10) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
11.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	IM2515	Principles and methods of protecting data and software	(I20) Engineering Management, Master Academic Studies
13.	IM2517	e Government systems	(I20) Engineering Management, Master Academic Studies
14.	IM2522	Software testing principles and methods	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
15.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Prilog istraživanju uslova za integraciju savremenih ICT u poslovanju industrijskih proizvodno – poslovnih sistema		
2.	Elementi savremenog pristupa planiranju efektivne proizvodnje i pripremi procesa rada – upravljanje konfiguracijama sistema.		
3.	Darko Stefanović, Milan Mirkovic, Andras Anderla, Miodrag Drapsin, Patrik Drid, Izet Radio (2011). Investigating ERP systems success from the end user perspective, TTEM - Technics Technologies Education Management, Bosnia and Herzegovina, ISSN 1840-1503, Volume 6/Number 4/2011, p. 1089-1099, IF 0,351.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	Darko Stefanović, Miodrag Drapšin, Jelena Nikolić, Danijela Šćepanović, Izet Radjo, Patrik Drid (2011). Empirical study of student satisfaction in e-learning system environment, TTEM - Technics Technologies Education Management, Bosnia and Herzegovina, ISSN 1840-1503, Volume 6/Number 4/2011, p. 1152-1164, IF 0,351.		
5.	Andraš ANDERLA, Branko BRKLJAČ, Darko STEFANOVIĆ, Cvijan KRSMANOVIĆ, Srđan SLADOJEVIĆ, Dubravko ČULIBRK (2013). 3D RECONSTRUCTION FROM MRI IMAGES. Metalurgia International, ISSN 1582-2214, no. 4-2013.		
6.	Luković Ivan, Ristić Sonja, Stefanović Darko, Rakić Marija: Osnove racunarskih tehnologija i programiranje, FTN Izdavaštvo, Novi Sad, 2007., Univerzitet u Novom Sadu – Fakultet tehničkih nauka, Edicija Tehničke nauke – udžbenici, ISBN 978-86-7892-087-5, COBISS.SR-ID 228166407		
7.	Suzić N., Anderla A., Stefanović D., Veža I., Sremčev N. (2012). Successsfully Solving the Configuration of Mass Customized Products, Proceedings – the Seventh International Symposium "KOD 2012", 24. – 26. May 2012, Balaton Fured, Hungary, Faculty of Technical Sciences, Novi Sad, Serbia, p. 75-78, 978-86-7892-399-9		
8.	Stefanović D., Rakić Skoković M., Mirković M., Anderla A., Rašić D. (2011). Contemporary Software Business Suites as a Company's Competitive Advantage, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 240-246, 978-86-7892-341-8		
9.	Rakić-Skoković M., Stefanović D., Krsmanović C. (2011). Paradigms and Approaches in Development and Implementation of Enterprise Information Systems in the Future, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 247-253, 978-86-7892-341-8		
10.	Milan Mirković, Dubravko Čulibrk, Andraš Anderla, Darko Stefanović, Stevan Milisavljević (2011). A framework for obtaining publicly available geo-referenced video meta-data, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 223-228, 978-86-7892-341-8		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		3	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Stojanović M. Goran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1998	
Scientific or art field:		Electronics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Electronics
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Electronics
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Electronics
Bachelor's thesis	1996	Faculty of Technical Sciences - Novi Sad	Electronics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E122	Introduction to Electronics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EM421	Characterization and Testing of Microelectronic Circuits	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	BM117A	Medical electronics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	BM117B	Flexible electronics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	BM118D	Modelling and simulation of biophysical processes	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	BMI107	Materials and fabrication technologies in medical devices	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	EM457	Nanoelectronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
9.	DE202S	Advanced characterization techniques of electronic materials and components	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE403S	Design and fabrication of passive micro and nano electronic components	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	E1SO01	Modern technologies in electrical engineering	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
12.	EM512	Nanodevices and Nanomaterials	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	SI033	Electronics in medicine	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
14.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
15.	DE202	Advanced Techniques in Electronic Component and Material Characterization	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
16.	DE403	Design and Fabrication of Passive Micro and Nano Components	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Jerančević N., Vasiljević D., Samardžić N., Stojanović G.: A Compact Inductive Position Sensor Made by Inkjet Printing Technology on a Flexible Substrate, Sensors, 2012, Vol. 12, pp. 1288-1298, ISSN 1424-8220, UDK: 10.3390/s120201288		
2.	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		
3.	Radonić V., Palmer K., Stojanović G., Crnojević-Bengin V.: Flexible Sierpinski Carpet Fractal Antenna on a Hilbert Slot Patterned Ground, International Journal of Antennas and Propagation, 2012, Vol. 2012, No 980916, pp. 1-7, ISSN 1687-5869, UDK: 10.1155/2012/980916		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Industrial Engineering </div>				
Representative references (minimum 5, not more than 10)					
4.	Milanović M., Stojanović G., Nikolić Lj., Radovanović M., Škorić B., Miletić A.: Electrical and structural characterisation of nanostructured titania coatings deposited on interdigitated electrode system, Materials chemistry and physics, 2011, Vol. 130, No 1-2, pp. 769-774, ISSN 0254-0584, UDK: 10.1016/j.matchemphys.2011.07.061				
5.	Savić S., Mančić L., Vojisavljević K., Stojanović G., Branković Z., Aleksić O., Branković G.: Microstructural and electrical changes in nickel manganite powder induced by mechanical activation, Materials Research Bulletin, 2011, Vol. 46, No 7, pp. 1065-1071, UDK: 10.1016/j.materresbull.2011.03.008				
6.	Stojanović G., Lečić N., Damjanović M., Živanov Lj.: Electrical and temperature characterization of NiZn ferrites, INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS, 2011, Vol. 35, No 3, pp. 165-176, ISSN 1383-5416, UDK: 10.3233/JAE-2011-1329				
7.	Goran Stojanović, Slavica Savić, Ljiljana Živanov, "Important Role of the Hall Effect Measurement System in a Modified Course of Materials in Electrical Engineering", IEEE Transaction on Education, vol. 52, no. 3, pp. 297- 304, 2009.				
8.	R. Raghavendra, P. Bellew, N. Mccloughlin, G. Stojanović, M. Damjanović, V. Desnica, Lj. Živanov, "Characterization of Novel Varistor+Inductor Integrated Passive Devices," IEEE Electron Devices Letters, vol. 25, no. 12, pp. 778-780, December 2004.				
9.	G. Stojanović, "Nanoelektronika i primena nanomaterijala", Edicija tehničke nauke - Udžbenici, FTN Izdavaštvo (338), Novi Sad, 2012.				
10.	G. Stojanović, Lj. Živanov, "Materijali u elektrotehnici", Edicija Tehničke Nauke - Udžbenici, FTN izdavaštvo, Novi Sad, 2007.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		78			
Total of SCI(SSCI) list papers :		22			
Current projects :		Domestic :	2	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Šešlija D. Dragan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.06.1985	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic career	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	1981	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H1401	Material Handling Technologies	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	II102	The basic theory of industrial systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	II1000	Fundamentals of industrial engineering and management	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	IM1001	Fundamentals of industrial engineering	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
14.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
15.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
16.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
17.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
18.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
19.	PLM04	Sustainable Production and LCA	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
20.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
21.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
22.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
23.	BMIM4C	Fluid filtration and separation	(BM0) Biomedical Engineering, Master Academic Studies
24.	I911	Sustainable production	(I10) Industrial 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</h2>			
MASTER ACADEMIC STUDIES		Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
25.	IIDS27	Selected chapters of the energy efficiency of automated systems	(I12) Industrial Engineering, Specialised Academic Studies	
26.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies	
27.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies	
28.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
29.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies	
30.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
31.	IMDR86	Selected chapters from energy efficiency of compressed air systems	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
32.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Ignjatović I., Komenda T., Šešlija D., Malisa V.: Optimisation of compressed air and electricity consumption in a complex robotic cell, Robotics and Computer-integrated Manufacturing, 2012, ISSN 0736-5845			
2.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Miodrag S.: Leakage quantification of compressed air using ultrasound and infrared thermography, MEASUREMENT, 2012, Vol. 45, No 7, pp. 1689-1694, ISSN 0263-2241			
3.	Ignjatović I., Šešlija D., Tarjan L., Dudić S.: Wireless sensor system for monitoring of compressed air filters, Journal of Scientific and Industrial Research (JSIR), 2012, Vol. 71, No 5, pp. 334-340, ISSN 0022-4456			
4.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Stojiljković M.: Leakage quantification of compressed air on pipes using thermovision, Thermal Science, 2012, Vol. 16, No 2, pp. 621-631, ISSN 0354-9836			
5.	Čajetinac S., Šešlija D., Aleksandrov S., Todorović M.: PLC Controller used for PWM Control and for Identification of Frequency Characteristics of a Pneumatic Actuator, Electronics and electrical engineering, 2012, Vol. 123, No 7, pp. 21-26, ISSN 1392-1215			
6.	Blagojević V., Šešlija D., Stojiljković M., Dudić S.: Efficient control of servo pneumatic actuator system utilizing by-pass valve and digital sliding mode, Sadhana - Academy Proceedings in Engineering Science, 2012, ISSN 0256-2499			
7.	Blagojević V., Šešlija D., Miodrag S.: Cost effectiveness of restoring energy in execution part of pneumatic system, Journal of Scientific and Industrial Research, 2011, Vol. 70, pp. 170-176, ISSN 0022-4456			
8.	Šešlija D., Ignjatović I., Dudić S., Lagod B.: Potential energy savings in compressed air systems in Serbia, African Journal of Business Management, 2011, Vol. 5, No 14, pp. 5637-5645, ISSN 1993-8233			
9.	Šešlija D., Ignjatović I., Dudić S.: Increasing the Energy Efficiency in Compressed Air Systems, Rijeka, InTech, 2012, str. 151-174, ISBN 978-953-51-0800-9			
10.	Stankovski S., Šešlija D., Rakić-Skoković M., Ostojić G.: Primena RFID tehnologije u automatizaciji, Novi Sad, Centar za automatizaciju i mehatroniku, 2009, ISBN 978-86-907827-3-4			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		10		
Total of SCI(SSCI) list papers :		10		
Current projects :		Domestic :	0	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</p> <p>MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Šević D. Dragoljub	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.2001	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1999	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.	II323	Environmental management system	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
2.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1025	Design, Verification and Analysis of the Environmental Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1040	Organization and mamangement of maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1043	Maintenance techniques and technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1037	Environmental Management System	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1615	Maintenance of Technical Equipment	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1620	Reverse and Green Logistic	(I20) Engineering Management, Undergraduate Academic Studies
10.	I501	Risk Management	(I10) Industrial Engineering, Master Academic Studies
11.	I841	Spare parts management	(I10) Industrial Engineering, Master Academic Studies
12.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	PLM10	Product Servicing and Maintenance	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
14.	LIM31	Reverse and Green Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
17.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
18.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2620	Lean Maintenance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
21.	ZP516	Technical Systems Reliability	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
22.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

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	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
23.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950		
2.	Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480		
3.	D. Šević, I. Beker „Projektovanje greda na bazi pouzdanosti“, Naučno – stručni skup ISTRAŽIVANJE I RAZVOJ MAŠINSKIH ELEMENATA I SISTEMA – Jahorina – IRMES 2002., Srpsko Sarajevo – Jahorina, Septembar 2002		
4.	D. Šević, I. Beker „Zahtevi standarda ISO 9000:2000 i njihova primena u održavanju“, XXVI Majski skup održavalaca Jugoslavije, Novi Sad, 22-24. maj 2002		
5.	N. Stefanović, N. Radaković, D. Šević "Primena softverskog sistema za upravljanje poslovnim procesima na sistema menadžmenta kvalitetom ISO 9001:2000", XIII Naučna konferencija INDUSTRIJSKI SISTEMI IS 2005, Herceg Novi, Srbija i Crna Gora, Septembar 2005		
6.	Ušćebrka G., Žikić D., Stojanović S., Šević D.: An Example of Model of Estimating the Level of Biological Risk On Farms Based On the Gap Requirements, Veterinary Medicine, , UDK: 619		
7.	Šević D., Ušćebrka G., Milisavljević S., Brkljač N.: MODEL VREDNOVANJA ZNAČAJNOSTI UTICAJA NA ŽIVOTNU SREDINU SA STANOVNIŠTVA ZAHTEVA STANDARDA ISO 14001:2004, UDK: 658.5		
8.	Šević D., Stefanović N., Prokopić L.: Upotreba podataka i informacija koji se odnose na vrednovanje učinka na zaštiti životne sredine, International Journal Total Quality Management		
9.	Beker I., Stanivuković D., Šević D.: Postupak za ocenu uspešnosti održavanja , 26. Majski skup održavalaca Jugoslavije, Novi Sad: Fakulte tehničkih nauka, 1 Maj, 2002, str. 87-93, UDK: 621-772		
10.	mr Dragoljub Šević, mr Slobodan Morača, M.Sc. Stevan Milisavljević "Planiranje učinka zaštite životne sredine", XIV Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI IS 2008, Novi Sad, Srbija, 2-3. Oktobar 2008, str. 363-367, UDK 685.5, ISBN 978-86-7892-135-3		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Šormaz N. Dušan	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2009		Production Systems, Organization and Management
Magister thesis	1995	University of Southern California - Nepoznato	Computer Science
PhD thesis	1994	University of Southern California - Nepoznato	Engineering Management
Magister thesis	1985	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1979	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
3.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	II102	The basic theory of industrial systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	II1000	Fundamentals of industrial engineering and management	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
8.	EE546	Entrepreneurship in Electrical Engineering	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
9.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
10.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
11.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
12.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
13.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
14.	IMDS62	Integration of business processes of companies	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
16.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
18.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
19.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
20.	I911	Sustainable production	(I10) Industrial Engineering, Master Academic Studies
21.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
22.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
23.	IM2315	Product and Process Improvement Projects	(I20) Engineering Management, Master Academic Studies
24.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

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	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
25.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR62	Enterprise Business Process Integration	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Sormaz DN, Arumugam J, Ganduri C, 2007, Integration of rule-based process selection with virtual machining for distributed manufacturing planning, Process Planning and Scheduling for Distributed Manufacturing, 61-90		
2.	Šormaz DN, Arumugam J, Harihara RS, Patel C, Neerukonda N, 2010, Integration of product design, process planning, scheduling, and FMS control using XML data representation, Robotics and Computer-Integrated Manufacturing 26 (6), 583-595		
3.	Šormaz DN, Rajaraman SN, 2008, Problem space search algorithm for manufacturing cell formation with alternative process plans, International Journal of Production Research 46 (2), 345-369		
4.	Sormaz DN, Arumugam J, Rajaraman S, 2004, Integrative process plan model and representation for intelligent distributed manufacturing planning, International Journal of Production Research, Vol. 42, No. 17, p. 3397 - 3417.		
5.	Koonce D, Judd R, Sormaz D, Masel DT, 2003, A hierarchical cost estimation tool, Computers in Industry 50 (3), 293-302		
6.	Sormaz DN, Khoshnevis B, 2003, Generation of alternative process plans in integrated manufacturing systems, Journal of Intelligent Manufacturing 14 (6), 509-526		
7.	Šormaz DN, Tennety C, 2010, Recognition of interacting volumetric features using 2D hints, Assembly Automation 30 (2), 131-141		
8.	Sormaz DN, Pisipati DV, Borse PA, 2006, Virtual manufacturing of milling operations with multiple tool paths, International journal of manufacturing technology and management 9 (3), 237-264		
9.	Sormaz DN, Khoshnevis B, 2000, Modeling of manufacturing feature interactions for automated process planning, Journal of manufacturing systems, 19 (1), 28-45		
10.	Nešić S, Li H, Huang J, Sormaz D, 2009, An open source mechanistic model for CO ₂ /H ₂ S Corrosion of carbon steel, CORROSION 2009, March 22 - 26, 2009 , Atlanta, GA		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		126	
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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Tešić M. Zdravko	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		02.10.1981	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1982	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.	IM1044	Business process integration	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1101	Production planning and control	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1115	Business process modelling	(I20) Engineering Management, Undergraduate Academic Studies
4.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
5.	IMDS14	Production planning and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
6.	IMDS62	Integration of business processes of companies	(I22) Engineering Management, Specialised Academic Studies
7.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
9.	MBA414	Integrated Business Processes	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	MBA604	E-Commerce and Electronic Payment System	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	PLM03	Information System for PLM	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
12.	LIM32	ERP Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	I901	Manufacturing performance measurement	(I10) Industrial Engineering, Master Academic Studies
14.	I905	Enterprise integration	(I10) Industrial Engineering, Master Academic Studies
15.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IIDS31	Production management structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Industrial Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
17.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
18.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2107	SAP Enterprise systems	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IM2120	Virtual Enterprises	(I20) Engineering Management, Master Academic Studies
21.	IM2318	ERP systems	(I20) Engineering Management, Master Academic Studies
22.	IMDS69	Selected chapters in enterprise's design, organization and control	(I22) Engineering Management, Specialised Academic Studies
23.	PLM03	Information System for Product Lifecycle Management - PLM	(I20) Engineering Management, Specialised Professional Studies
24.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR14	Selected Approach in Production Process Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR38	Production control structure	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR62	Enterprise Business Process Integration	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR69	Selected chapters of enterprise's management and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Zelenović D., Tešić Z.: PERIOD BATCH CONTROL AND GROUP TECHNOLOGY, Interntional Journal of Production Research, 1988, Vol. 26, No. 3, str. 539- 552, UDK: xxx, ISSN 0020-7543.		
2.	Tešić Z., Maksimović R., Radaković N. Razvoj modela integrisanih poslovnih procesa u industrijskom preduzeću, SYMORG 2006, Beograd, Fakultet organizacionih nauka, 7-10.jun 2006, pp 158-161, UDK:005, ISBN 86-7680-086-3		
3.	Tešić Z., Šešlija D. Prilog razvoju komunikacije između upravljačkih sistema tehnoloških sistema i sistema za upravljanje proizvodnjom, HIPNEF2004, Niš, Mašinski fakultet Niš, 19-21. maj 2004, pp 499-504, UDK:681.5, ISBN 86-80587-31-1		
4.	Šešlija D., Odri S., Tešić Z., Stankovski S. Bridging the gap between machine and production control system, Facta Universitates, 2005, Vol.3, No.1, pp 81-92. ISSN 0354-2025		
5.	Šešlija D., Tešić Z. RFID MIDDLEWARE AS A CONNECTION BETWEEN MANUFACTURING PROSESSES AND ENTERPRISE LEVEL INFORMATION SYSTEM, FACTA UNIVERSITATIS, SERIES MECHANICAL ENGINEERING, UDC 681.518:65.011.56 , Vol.4, No 1, pp. 63 – 74, 2006.		
6.	Šešlija D., Odri S., Tešić Z., Stankovski S. oN THE COMMUNICATION BETWEEN MACHINE AND PRODUCTION CONTROL SYSTEM, International Scientific Conference UNITECH, GABROVO,2004, pp 229-232, ISBN 954-683-304-5		
7.	Tešić, Z., Ćosić, I., Mitrović, V., Lalić, D.:Integration of information for manufacturing shop control, Journal of Mechanical Engineering - Strojinski Vestnik, 2010, Vol.56, No.3, pp 217-223, ISBN 0039-2480.		
8.	Golišin, M., Tešić, Z., Ostojić, A.: The analysis of the renewable energy production sector in Serbia, Renewable and Sustainable Energy Rewiews, 2010, Vol.14, No.5, pp 1477-1483, ISSN 1364-0321		
9.	Lalić d., Popovski k., Gecevska V., Tešić Z. Analysis of the opportunities and challenges for renewable energy market in the Western Balkan countries, Renewable and Sustainable Energy Reviews, 2011, Vol. 15, pp 3187-3195.ISSN: 1364-0321		
10.	Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj. Method of evaluating the impact of ERP implementation critical success factor - a case study in oil and gas industries, Enterprise information systems, 2012, Vol 0, 1-23. ISSN 1751-7575.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		30	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	International :
		2	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</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Industrial Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Vukelić B. Đorđe	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 23.10.2000	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
5.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
7.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
8.	ZRI441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
9.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
11.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
13.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
14.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
15.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
16.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
17.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies
18.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
19.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
20.	SM3	Software support for reverse engineering and CAQ	(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</h2>			
	MASTER ACADEMIC STUDIES Industrial Engineering			
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
21.	SMI003	Software support for cutting tools and fixtures modeling	(PM0) Production Engineering, Master Academic Studies	
22.	SZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Specialised Academic Studies	
23.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies	
24.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies	
25.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies	
26.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies	
27.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies	
28.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Budak I., Vukelić Đ., Bračun D., Hodolić J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220.			
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593.			
3.	Tadić B., Todorović P., Vukelić Đ., Jeremić B.: Failure analysis and effects of redesign of a polypropylene yarn twisting machine, Engineering Failure Analysis, 2011, Vol. 18, No 5, pp. 1308-1321, ISSN 1350-6307.			
4.	Matin I., Hadžistević M., Hodolić J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768.			
5.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768.			
6.	Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolić J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090.			
7.	Vukelić Đ., Zuperl U., Hodolić J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768.			
8.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154.			
9.	Trifković B., Budak I., Todorović A., Hodolić J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.			
10.	Tadić B., Vukelić Đ., Hodolić J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		34		
Total of SCI(SSCI) list papers :		21		
Current projects :		Domestic :	3	International : 3



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 10. Organizational and Material Resources

To perform the study program are provided appropriate human, physical, technical, technological, library and other resources that are compatible with the character and requirements of the study program and the anticipated number of students. Classes in Industrial Engineering degree program is carried out in two shifts so that it will be more than 2 m² of space per student.

Classes are held in the amphitheater, classrooms, computer and other laboratories. The library has more than 100 library items that are relevant for the implementation of the study program Industrial Engineering. For all the subjects of the study program Industrial Engineering has provided the appropriate school publications, adequate teaching aids and assistive devices, and their availability in time and in sufficient numbers for the normal teaching process. It is through the information system that covers all the needs in the learning process, provided adequate information and support.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 11. Quality Control

The quality of the Master academic study program in Industrial Engineering, as well as all the study programs of the Faculty of Technical Sciences, provides a functioning quality management system that is at the Faculty of Technical Sciences, in accordance with international standard ISO 9001:2000, established the 2000, and was certified by the Federal Bureau of Standards as an authorized national institutions and TUEVCERT as recognized by international institutions accredited for the certification of management systems. The effectiveness and efficiency of the quality management system is certified annual supervisory checks and re-certification for two of the aforementioned institutions.

Quality assurance and quality control of the study program, are part of the Quality management system, supported by appropriate rules of conduct for all participants in the learning process - the procedures for the development of curricula, the student enrollment for the implementation of the teaching process for evaluating student work for the Master, for Student Services, for the work of the Library, for the performance evaluation study to assess the quality of teaching by students and other procedures related to teaching resources and logistics processes.

It should, as part of the above mentioned quality management system, decades-long practice of stress appraisal of customer satisfaction and employee satisfaction by:

- surveying students in their studies, teaching at the end of each course, where students assess the quality of the program, class lectures, readings and artist of the school subject ,
- surveying students at the end of the study, the awarding of degrees, where students assess the quality of the study program and logistical support during the study. In addition, it is estimated the comfort of studying (clean and tidy classrooms, etc.)..
- survey of teaching and non-teaching staff, while evaluating the work of the Dean, Student Services, Library and other departments of the Faculty. In addition, working conditions on the Faculty are subject of assessment.

To quality control of the study program is formed by a special Committee, consisted of a Head of the study program, all the heads of departments involved in the implementation of the study program, and one student from each year of study.

Self-evaluation of the study program is carried out in the self-evaluation of the Faculty of Technical Sciences and related institutions who report on the self-institution encompasses all elements of the quality of the study program, including the participation of students in self-evaluation and evaluation of the quality and thus includes Appendix 11.1 - Report on the self-study program Industrial engineering in graduate studies.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Industrial Engineering

Standard 12. Distance Education

Distance learning for the study program in Industrial Engineering on the master level has not been introduced.