

saCurriculum Vitae



Lični podaci / *Personal Data*

Ime, srednje slovo i prezime:
Name, Middle and Family Name: **Miroslav M. Mijajlović**

Datum rođenja / *Birthdate:* 16.09.1979.

Pol / *Gender:* Muški / *Male*

Adresa:
Address: Branka Krsmanovića 23/9, 18000 Niš, Srbija
Branka Krsmanovica 23/9, 18000 Nis, Serbia

Telefon / *Telephone:* +381 (0)18 500 642

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Mobilni / *Mobile:* +381 (0)63 409 598

Elektronska pošta / *Email:* mijajlom@masfak.ni.ac.rs, mijajlom@gmail.com

Nacionalnost / *Nationality:* Srbin / *Serbian*

Radno iskustvo / *Work Experience:*

U trajanju / *Duration:* 01.01.2002. – 01.11.2005.

Zanimanje: Saradnik u nastavi, saradnik na projektima-Stipendista Ministarstva za nauku i zaštitu životne sredine, Republika Srbija.

Employment: *Teaching & Research Assistant-Scholarship of Ministry of Science and Environmental Protection, Republic of Serbia.*

Aktivnosti i odgovornosti:
Activities and Responsibilities: Nastava, naučna istraživanja.
Education, Scientific Researches.

Naziv i adresa poslodavca: Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija

Employer and address of employer: *University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia*

Odsek:
Department: Mašinske konstrukcije i mehanizacija
Mechanical structures (Design) and mechanization

U trajanju / *Duration:* 01.11.2005. – 01.03.2006.

Zanimanje:
Research Assistant

Employment:

Aktivnosti i odgovornosti:
Activities and Responsibilities: Reliability, Diagnostics, Maintenance, Product Life Cycle Management

Naziv i adresa poslodavca:
Employer and address of employer Technical University of Berlin, Institute for Machine Tools and Factory Management, PTZ 2, Pascalstr. 8-9, D-10587 Berlin, Germany

Odsek:
Department: Department Assembly Technology and Factory Management

U trajanju / *Duration:* 01.03.2006. – 29.01.2013.

Zanimanje:
Employment: Saradnik u nastavi, saradnik na projektima.
Teaching & Research Assistant.

Aktivnosti i odgovornosti: Nastava, naučno-stručna istraživanja.
Activities and Responsibilities: Education, Scientific-Expert Researches.

Naziv i adresa poslodavca: Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija
Employer and address of employer: University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia

Odsek: Mašinske konstrukcije, razvoj i inženjering
Department: Mechanical Structures (Design), Development and Engineering

U trajanju / *Duration:* 29.01.2013. -

Zanimanje: Docent.
Employment: Assistant professor.

Aktivnosti i odgovornosti: Nastava, naučno-stručna istraživanja.
Activities and Responsibilities: Education, Scientific-Expert Researches.

Naziv i adresa poslodavca: Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija
Employer and address of employer: University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia

Odsek: Mašinske konstrukcije, razvoj i inženjering
Department: Mechanical Structures (Design), Development and Engineering

Obrazovanje / Education

U trajanju / *Duration:* 01.09.1994. – 01.06.1998.

Dodeljeno zvanje: Mašinski tehničar
Awarded Degree: Mechanical Technician

Osnovni predmeti: Mašinska grupa predmeta
Basic Subjects: Mechanical Engineering Subjects

Naziv institucije: Tehnička škola Knjaževac, 19350 Knjaževac, Srbija
Institution: Technical High School Knjazevac, 19350 Knjazevac, Serbia

U trajanju / *Duration:* 01.10.1998. – 01.10.2004.

Dodeljeno zvanje: Diplomirani inženjer mašinstva (M.Sc)
Awarded Degree: Master of Science in Mechanical Eengineering

Osnovni predmeti: matematika, CAD, CAE, CAx , pouzdanost, održavanje i dijagnostika, razvoj softvera, prenosnici snage, mašinski elementi, proračun mašinskih elemenata, konstruisanje, teorija konstruisanja, tribologija, zavarivanje.
Basic Subjects: Mathematics, CAD, CAE, CAx, Reliability, Maintenance, Diagnostics, Software Development, Machine Parts, Design, Calculations, Design Theory, Tribology, Welding.

Naziv institucije: Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija
Institution: University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia

U trajanju / *Duration:* 01.10.2007 – 15.06.2012.

Dodeljeno zvanje: Doktor nauka – mašinsko inženjerstvo (Dr)
Awarded Degree: Philosophy Doctor in Mechanical Engineering (Ph.D)

Osnovni predmeti: Zavarivanje (posebno interesovanje za zavarivanje trenjem, postupak zavarivanja trenjem sa mešanjem - FSW)
Basic Subjects: *Welding (Special interest in friction stir welding - FSW)*
 Naziv institucije: Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija
Institution: *University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia*

U trajanju / *Duration:* 14/01/2010. – 18/09/2010.

Dodeljeno zvanje: Međunarodni inženjer zavarivnja – IWE
Awarded Degree: *International Welding Engineer – IWE*

Osnovni predmeti: Zavarivanje
Basic Subjects: *Welding*

Naziv institucije: International Institute of Welding, Društvo za unapređivanje zavarivanja u Srbiji (DUZS) Beograd, Univerzitet u Nišu, Mašinski fakultet, ulica Aleksandra Medvedeva 14, 18000 Niš, Srbija
Institution: *International Institute of Welding, Serbian Welding Society (DUZS) Belgrade, University of Nis, Faculty of Mechanical Engineering Nis, Aleksandra Medvedeva 14, 18000 Nis, Serbia*

Lične sposobnosti / Personal Competences

Maternji jezik: Srpski
Native Language: *Serbian*

Ostali jezici / Other languages

Samooceњivanje (*) / Self assessment (*)	Razumevanje / Understanding		Govor / Speaking		Pisanje / Writing
	Govor / Speaking	Čitanje / Reading	Sposobnost interpretacije / Interpretation Ability	Sposobnost razumevanja / Understanding Ability	
Engleski / English	C2 Napredni nivo / Proficient user	C2 Napredni nivo / Proficient user	C2 Napredni nivo / Proficient user	C2 Napredni nivo / Proficient user	C2 Napredni nivo / Proficient user
Nemački / German	-	A1 Osnovni nivo / Basic user	-	A1 Osnovni nivo / Basic user	-

(*) Common European Framework of Reference (CEF) level

Socijalne sposobnosti: Komunikativna osoba, dobra sposobnost prilagođavanja i rada u multikulturalnim sredinama, dobrovoljni davalac krvi
Social Skills: *Communicative person, good adjustment abilities and work in multicultural environments, blood donor*

Organizacione sposobnosti: Iskustvo u timskom radu (tokom studija i kasnije), Organizacione sposobnosti (član brojnih naučno - stručnih organizacionih odbora, organizator kurseva za inženjera zavarivanja itd.)
Organizational Skills: *Experience in team work (during studies and after), Organizational Skills (member and organizer of several scientific-expert conferences, welding courses etc).*

Kompjuterske sposobnosti: Autodesk Inventor, Algor Simulation Software, Solid Works, Microsoft Office™ (Word™, Excel™ and PowerPoint™); Adobe Suite™ Visual Basic™, Corel™, Photoshop™, IT
Computer Skills: *Autodesk Inventor, Algor Simulation Software, Solid Works, Microsoft Office™ (Word™, Excel™ and PowerPoint™); Adobe Suite™ Visual Basic™, Corel™, Photoshop™, IT*

Ostale sposobnosti / Other skills

Vozačka dozvola: „B“ kategorija
Driver's license: B

Dodatne informacije: Stipendista ministarstva za nauku i zaštitu životne sredine Republike Srbije od 2004. godine.
Supplemental: *Scholarship of Ministry of Science and Environmental Protection, Republic of Serbia, from 2004.*

Nagrade i priznanja:

Awards and acknowledgments:

Tri nagrade grada Knjaževca (1994) za najboljeg učenika tokom 40 godina škole, učenik generacije i nagrada za najboljeg mašinskog tehničara generacije.

Nosilac diploma "Vuk Karadžić", za osnovno i srednje obrazovanje,

Na 40. Mašinjadi¹ održanoj od 8.-13. Maja, 2000. godine, na Kopaoniku, osvojio je 2. (drugo) mesto, na takmičenju u znanju iz Mašinskih elemenata;

Na 41. Mašinjadi održanoj od 8.-13. Maja, 2001. godine, na Kopaoniku, osvojio je 1. (prvo) mesto, na takmičenju u znanju iz Mašinskih elemenata;

Na 42. Mašinjadi održanoj od 7.-12. Maja, 2002. godine, na Kopaoniku, osvojio je 1. (prvo) mesto, na takmičenju u znanju iz Mašinskih elemenata;

Na 43. Mašinjadi održanoj od 8.-13. Maja, 2003. godine, u Herceg Novom, osvojio je 2. (drugo) mesto, na takmičenju u znanju iz Mašinskih elemenata

Three prizes of the City Knjazevac – Best Scholar in last 40 years of High School, 1998,

On 40th Masinijada², held from 8th-13th of May, 2000, in Kladovo, Serbia, won 2nd place, in knowledge contest, area: Machine Parts;

On 41st Masinijada, held from 8th-13th of May, 2001, on mountain Kopaonik, Serbia, won 1st place, in knowledge contest, area: Machine Parts;

On 42nd Masinijada, held from 7th-12th of May, 2002, on mountain Kopaonik, Serbia, won 1st place, in knowledge contest, area: Machine Parts;

On 43rd Masinijada held from 8th.-13th of May, 2003, in Herceg-Novi, Montenegro, won 2nd place, in knowledge contest, area: Machine Parts.

Prema istraživanju u kome su učestvovali studenti iz Srbije - „Rangiranje fakulteta 2012“, objavljenog na Web portalu iSerbia 13. juna 2012, u kategoriji „Odnos prema studentima“ izdvojen kao „asistent koji je najpozitivnije uticao na njih (studente)“.

According to the on-line student research "University Ranking 2012", published by the Web portal iSerbia, June 13th, 2012 in the category "Relationship with the students" titled as "the teaching assistant with the most positive influence on them (students)" (article and document in Serbian).

Link: http://www.iserbia.rs/rangiranje_2012/42_Izveštaj_Univerzitet_u_Nišu_Mašinski_fakultet.pdf

¹ Mašinjada-Regionalno takmičenje studenata mašinstva, učesnici: bivše YU zemlje.

² Masinijada-Regional (student's) competition of mechanical engineering faculties. Countries involved: ex YU countries.

	A1	A2	B1	B2	C1	C2		
U N D E R S T A N D I N G	Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided. I have some time to get familiar with the accent.	
		Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
			S P E A K I N G	Spoken Interaction	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.

Spoken Production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.
WRITING						


**A. OBJAVLJENI UDŽBENICI, STRUČNE KNJIGE I MONOGRAFIJE
PUBLISHED WORKBOOKS, EXPERT BOOKS AND MONOGRAPHS**

Kategorizacija pojedinih referenci izvršena prema <http://www.mpn.gov.rs/nauka/page.php?page=278>
(29.01.2013.)

2008.

- A.1. Milčić Dragan, **Mijajlović Miroslav**: **Pouzdanost mašinskih sistema – Zbirka rešenih zadataka**, Univerzitet Nišu, Mašinski fakultet Niš, 2008, s.215, ISBN 978-86-80587-80-6 (**M?= 0.0, R201=5.0**);

2012.

- A.2. **Miroslav Mijajlović** and Dragan Milčić (2012). Analytical Model for Estimating the Amount of Heat Generated During Friction Stir Welding: Application on Plates Made of Aluminium Alloy 2024 T351, Welding Processes, Radovan Kovačević (Ed.), ISBN: 978-953-51-0854-2, InTech, pp. 247-274, Available from link:  (**M14 - 4.0 R22 - 3.0**);

**B. NAUČNI I STRUČNI RADOVI OBJAVLJENI U ČASOPISIMA, SAOPŠTENI NA SKUPOVIMA, SIMPOZIJUMIMA I KONFERENCIJAMA
SCIENTIFIC AND EXPERT ARTICLES PUBLISHED IN JOURNALS, OR PRESENTED ON SYMPOSIUMS AND CONFERENCES**

2003.

- B.1. Milčić Dragan, Marković Biljana, **Mijajlović Miroslav**: **Konstruisanje univerzalnih zupčastih prenosnika kao virtuelni proces**, Zbornik radova devetog SEVER – ovog simpozijuma o mehaničkim prenosnicima, Subotica, Srbija, 10. oktobar 2003, str. 23-28 (**M63=0.5, R65=0.5**);

2004.

- B.2. Milčić Dragan, **Mijajlović Miroslav**: **Parametarsko modeliranje delova zupčastog prenosnika snage**, Treći skup o konstruisanju, oblikovanju i dizajnu 3. KOD 2004, 19.5.2004., Novi Sad, Srbija, str. 67-72 (**M63=0.5, R65=0.5**);

2005.

- B.3. **Mijajlović Miroslav**, Milčić Dragan: **Softver za proračun zavrtnajskih veza**, 11. Konferencija YU Info 2005, Zbornik radova, Kopaonik, 2005, CD. ISBN 86-85255-00-4 (**M63=0.5, R65=0.5**);
- B.4. Milčić Dragan, **Mijajlović Miroslav**, Marković Biljana: **Sistematsko traženje rešenja problema drvnog otpada**; 30. Jubilarno savetovanje proizvodnog mašinstva sa međunarodnim učešćem, 1. – 3.9.2005. oblast E 10, tematska oblast 4, Zbornik radova: str. 517 – 522, Čačak – Vrnjačka banja, Srbija, ISBN 86-7776-010-5, (**M63=0.5, R65=0.5**);
- B.5. Milčić Dragan, **Mijajlović Miroslav**, Anđelković Boban: **Appliance of TRIZ Method in Choice of Technology for Solving Problem of Wooden Waste**; V International Scientific Conference- Heavy Machinery – HM '05 (Teška mašinogradnja), Proceedings II A.31, 28.6.2005-3.7.2005, Kraljevo, Serbia, (**M63=0.5, R65=0.5**);
- B.6. Milčić Dragan, **Mijajlović Miroslav**: **Primena Monte – Karlo simulacije u analizi pouzdanosti sistema**, 12. Simpozijum termičara Srbije i Crne Gore, Peta tematska grupacija, osmi izloženi rad, Zbornik radova na CD-u 18. – 21. Oktobar, 2005., Sokobanja, Srbija, (**M63=0.5, R65=0.5**);

2006.

- B.7. **Mijajlović Miroslav**, Milčić Dragan, Daniel Odry: **Povećanje pouzdanosti i efikasnosti servisa „Call-A-Bike“ primenom dijagnostičko – komunikacionog sistema**; 12. Konferencija YU Info 2006, programska oblast: Primenjena informatika, Zbornik radova na CD-u, Kopaonik, Srbija, 6.-10. mart 2006., ISBN 86-8525-01-2 (**M63=0.5, R65=0.5**);
- B.8. **Mijajlović Miroslav**, Milčić Dragan: **Mogućnost rešavanja problema transporta ljudi u svetskim metropolama** Drugi srpski seminar sa međunarodnim učešćem "TRANSPORT I LOGISTIKA", Srbija, Niš), 18.-19.05.2006., s. 19.1-19.4) (**M63=0.5, R65=0.5**);

- B.9. Milčić Dragan, **Mijajlović Miroslav**: **Expertensystem für die auswahl der wälzlagerart**; The Second International Conference "Power Transmissions 06", 25.-26. April, 2006, Novi Sad, Serbia, p. 203-210, Proceedings section 1., ISBN 86-85211-78-6, **(M33=1.0, R54=1.0)**;
- B.10. Milčić Dragan, **Mijajlović Miroslav**: **Parametarsko modeliranje elemenata**; Četvrti skup o konstruisanju, oblikovanju i dizajnu, KOD 2006, 30.-31. maj 2006., Palić, Srbija, Zbornik radova: str. 41. – 44., ISBN 86-85211-92-1, **(M63=0.5, R65=0.5)**;
- B.11. **Mijajlović Miroslav**, Milčić Dragan: **Upravljanje životnim ciklusom tehničkih sistema**; IRMES 06: Istraživanje i razvoj mašinskih elemenata, Banjaluka, Bosna i Hercegovina, 21 i 22 septembar, 2006, Zbornik radova, str. 319. – 324., ISBN 99938-39-13-2, **(M63=0.5, R65=0.5)**;
- B.12. Stamenković Dušan, Milošević Miloš, Milošević Anica, **Mijajlović Miroslav**: **Dijagnostičko-komunikacioni sistemi u organizaciji prevoza**; REMUS 06, Proceedings of the conference with international participation, Mechatronic systems: Development, Application and Perspective, pp. 47 – 50, 27.-28. September 2006, Niš, Serbia, **(M63=0.5, R65=0.5)**;
- B.13. Günther Seliger, Daniel Odry, **Miroslav Mijajlović**: **Monitoring and Power management for bicycles within the selling use approach**, The IV Global Conference on Sustainable Product Development and Life Cycle Engineering, Proceedings, University of São Paulo in São Carlos, São Paulo, Brazil, October 3rd - 6th, 2006. ISBN-85-98156-25-6, **(M33=1.0, R54=1.0)**;
- B.14. Milčić Dragan, **Mijajlović Miroslav**: **Analiza pouzdanosti obrtnih postolja elektrolokomotiva serije 461**; XII naučno stručna konferencija o železnici, Želkon 06, 19. i 20. oktobar 2006., Niš, Srbija, Zbornik radova, str. 79-82, ISBN 86-80587-59-1, **(M63=0.5, R65=0.5)**;
- B.15. Milčić Dragan, Mitić Dragan, **Mijajlović Miroslav**: **Zahtevi obezbeđenja kvaliteta zavarenih spojeva na čeličnim konstrukcijama železničkih vozila**; XII naučno stručna konferencija o železnici, Želkon 06, 19. i 20. oktobar 2006., Niš, Srbija, Zbornik radova, str. 329 do 332, ISBN 86-80587-59-12, **(M63=0.5, R65=0.5)**;

2007.

- B.16. Milčić Dragan, Anđelković Boban, **Mijajlović Miroslav**: **Decisions Making In Design Process – Examples Of Artificial Intelligence Application**; „Machine Design” - Monograph, University of Novi Sad, Faculty of Technical Sciences, ADEKO – Association for Design, Elements and Constructions, 2007., Novi Sad, Serbia, Monograph, page 13 - 21, ISBN 978-86-7892-038-7, **(M45=1.5, R23=2,0)**;
- B.17. Milčić Dragan, **Mijajlović Miroslav**: **Metode konstruisanja termoenergetskih sistema na osnovu pouzdanosti**, 13. Simpozijum termičara Srbije, Sokobanja, Srbija, 16. – 19.10.2007, Zbornik radova na CD-u, Univerzitet u Nišu, Mašinski fakultet Niš, ISBN 978-86-80587-80-6, **(M63=0.5, R65=0.5)**;

2008.

- B.18. Milčić Dragan, Anđelković Boban, **Mijajlović Miroslav**: **Automatisation Of Power Transmitters Design Process Within ZPS System**, Machine Design 2008 – on the occasion of the 48th anniversary of the Faculty of Technical sciences, **FTN Novi Sad**, 18.05.2008, pp. 1 – 8, ISBN 978-86-7892-105-6, **(M45=1.5, R23=2,0)**;
- B.19. Milčić Dragan, Milošević Vojkan, **Mijajlović Miroslav**: **Automatization of Radial Journal Bearings Design Process**, Proceedings / The Fifth International Symposium about Forming and Design in Mechanical Engineering — KOD 2008, Novi Sad, 15-16 April, 2008. — Novi Sad: Faculty of Technical Sciences, pp. 141 – 148, ISBN 978-86-7892-104-9, **(M33=1.0, R54=1.0)**;

Izbor u zvanje asistenta, 26.05.2008.

- B.20. Milošević Vojkan, Milčić Dragan, **Mijajlović Miroslav**: **Softver za proračun i modeliranje radijalnih kliznih ležaja**, XIV konferencija YU INFO 2008, Simpozijum o računarskim naukama i informacionim tehnologijama, Zbornik radova na CD, Kopaonik, Srbija, 2008, ISBN 978-86-85525-03-2, **(M63=0.5, R65=0.5)**;
- B.21. Milčić Dragan, **Mijajlović Miroslav**, Veljanović Dragoljub: **Reliability Analysis Software**, 8th International Conference "Research and Development in Mechanical Industry" RaDMI 2008, 14 - 17. September 2008, Užice, Serbia, ISBN 978-86-83803-24-8, **(M33=1.0, R54=1.0)**;
- B.22. Mitić Dragan, Milčić Dragan, **Mijajlović Miroslav**: **Zahtevi za sertifikaciju proizvođača zavarenih konstrukcija železničkih vozila prema EN 15085**; XIII naučno stručna konferencija o železnici, Želkon 08, 9. i 10. oktobar 2008., Niš, Srbija, Zbornik radova, str. 259 do 262, ISBN 978-86-80587-78-3, **(M63=0.5, R65=0.5)**;

2009.

- B.23. Popović Branislav, Milčić Dragan, **Mijajlović Miroslav: Analysis of The Cause And Types of The Collector Electromotor's Failures in The Car Cooling Systems**, Machine Design 2009, Faculty of Technical Sciences, Novi Sad, 2009, pp 151-156, ISSN 1821-1259, (M45=1.5, R23=2,0);
- B.24. Milčić Dragan, Agatonović Ivica, **Mijajlović Miroslav: Program Module for Strength Check of the Shafts and Axles According to the DIN 743**, Machine Design 2009, Faculty of Technical Sciences, Novi Sad, 2009, pp 277-282, ISSN 1821-1259, (M45=1.5, R23=2,0);
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- B.45. Milčić Dragan, **Mijajlović Miroslav**, Ristić Marko, Stevanović Dalibor, Milčić Miodrag: **Synergy of Educational – Scientific Institutions With Small and Medium Enterprises in Product Development Tasks**, The 7th International Scientific Conference – Research and Development of Mechanical Elements and Systems, Proceedings, pp. 33 - 38, 27th & 28th of April, 2011, Zlatibor, Serbia, ISBN 978-86-6055-012-7, **(M33=1.0, R54=1.0)**;
- B.46. Marković Biljana, Milčić Dragan, **Mijajlović Miroslav: A Study on Work of Dislocated Teams: Virtual Project Realisation**, The 7th International Scientific Conference – Research and Development of Mechanical Elements and Systems, Proceedings, pp. 43 - 48, 27th & 28th of April, 2011, Zlatibor, Serbia, ISBN 978-86-6055-012-7, **(M33=1.0, R54=1.0)**;
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- B.56. Dragoljub Živković, Dragan Milčić, Milan Banić, **Miroslav Mijajlović**: **Numerical Method Application for Thermo-Mechanical Analysis of Hot Water Boilers Construction**, The 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, pp 1351-1362, ISBN 978-86-6055-016-5, July 4-7, 2011, Novi Sad, Serbia, **(M33=1.0, R54=1.0)**;
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- B.58. Dragan Milčić, Dragan Kalaba, Dragoljub Živković, **Miroslav Mijajlović**: **Exploitation Researches of the Thermo-Energetic System's Availability**, Faculty of Mechanical Engineering Niš, 15th Symposium on Thermal Science and Engineering of Serbia, 18.-21. October 2011, Sokobanja, Serbia, pp. 905 – 917, Proceeding on CD, ISBN 978-86-6055-018-9, **(M63=0.5, R65=0.5)**;

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- B.60. **Miroslav Mijajlović**, Dragan Milčić, Miroslav Đurđanović, Vencislav Grabulov, Aleksandar Živković, Milenko Perović: **Osnovni pojmovi kod postupka zavarivanja trenjem sa mešanjem prema AWS D17.3/D17.3M: 2010 i ISO 25239-1: 2011**, Zavarivanje i zavarene konstrukcije, časopis Društva za unapređenje zavarivanja u Srbiji, godina LVII, broj 2, str. 61-68, UDC: 629.791.13, ISSN 0354-7965, 2012, Beograd, **(M24= 3.0, R52=3.0)** (link: [📄](#));
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- B.62. **Miroslav Mijajlović**, Dragan Milčić, Vera Nikolić-Stanojević, Miodrag Milčić: **Numerical Simulation of Friction Stir Welding on AA 2024 T351 Plates**, 2nd International Conference, Contemporary Problems of Mathematics, Mechanics and Informatics (CPMMI 2012), Book of Abstracts, Novi Pazar, Serbia, June 17-19, 2012, (M64=0.2, R73=0.2);
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- B.64. **Miroslav Mijajlović**, Dragan Milčić: **Friction Stir Welding of aluminium alloy 2024 T351**, Dan varilne tehnike 2012 – zbornik predavanj (Proceedings), Stanje in trendi razvoja v varilni tehniki, Zveza društvo za varilno tehniko Slovenije in Celjski sejem d.d., pp. 114-119, ISBN 978-961-91552-8-8, 15-18 Maj, 2012, Celje, Slovenija, (M63=0.5, R65=0.5) (link: [📄](#));
- B.65. Miloš Milošević, Dušan Stamenković, Miša Tomić, Andrija Milojević, **Miroslav Mijajlović**: **Modeling Thermal Effects of the Braking Process at Block-Braked Railway Vehicles**, XV Scientific-Expert Conference on Railways - Railcon '12, Faculty of Mechanical Engineering Niš, Niš, Serbia, 3-4 October, 2012, Proceedings, pp. 21-24, ISBN 978-86-6055-028-8, (M33=1.0, R54=1.0) (link: [📄](#));
- B.66. Dragan Milčić, **Miroslav Mijajlović**, Miodrag Milčić: **Ekperimentalna istraživanja zavarivanja trenjem sa mešanjem na leguri aluminijuma 2024 T351**, Dvadesetsedmo savetovanje sa međunarodnim učešćem "ZAVARIVANJE 2012" i "IBR 2012", Društvo za unapređivanje zavarivanja u Srbiji (DUZS), Zbornik radova na CD, Divčibare, 09 - 12. oktobar 2012, Srbija, (M63=0.5, R65=0.5);
- B.67. Aleksandar Živković, Nenad Radović, **Miroslav Mijajlović**, Igor Radisavljević: **Uticao geometrije čela alata na kvalitet zavarenog spoja ostvarenog postupkom FSW na legurama AL 5052-H3 i AL 2024-T3**, Dvadesetsedmo savetovanje sa međunarodnim učešćem "ZAVARIVANJE 2012" i "IBR 2012", Društvo za unapređivanje zavarivanja u Srbiji (DUZS), Zbornik radova na CD, Divčibare, 09 - 12. oktobar 2012, Srbija. (M63=0.5, R65=0.5);
- B.68. Dragan S. Milčić, **Miroslav M. Mijajlović**, Nenad T. Pavlović, Mića Vukić, Dragan D. Mančić: **Temperature Based Validation of the Analytical Model for the Estimation of the Amount of Heat Generated During Friction Stir Welding**, Thermal Science, Year 2012, Volume 16, Issue Supplement 2, pp. S337-S350, ISSN 2334-7163/ ISSN 0354-9836, UDC 621 (M23=3.0, R52=3.0) (link: [📄](#));
- B.69. **Miroslav M. Mijajlović**, Nenad T. Pavlović, Slobodan V. Jovanović, Dragan S. Jovanović, Miodrag D. Milčić: **Experimental Studies of Parameters Affecting the Heat Generation in Friction Stir Welding Process**, Thermal Science, Year 2012, Volume 16, Issue Supplement 2, pp. S351-S362, ISSN 2334-7163/ ISSN 0354-9836, UDC 621, (M23= 3.0, R52=3.0) (link: [📄](#));
- B.70. Dragan Milčić, **Miroslav Mijajlović**, Dragoljub Živković, Slobodan Miladinović: **Proračun nosivosti osovina i vratila prema DIN 743**, 1st International Scientific Conference COMETA 2012 – Conference on Mechanical Engineering Technologies and Applications, Proceedings, pp. 277-284, ISBN 978-99938-655-5-1 Jahorina B&H, Republic of Srpska, 28th – 30th November, 2012, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo (M63=0.5, R65=0.5);
- B.71. Dragan Milčić, **Miroslav Mijajlović**, Boban Anđelković, Miodrag Milčić: **Programski sistem za proračun mašinskih elemenata - programski modul za proračun frikcionih prenosnika**, 1st International Scientific Conference COMETA 2012 – Conference on Mechanical Engineering Technologies and Applications, Proceedings, pp. 303-308, ISBN 978-99938-655-5-1 Jahorina B&H, Republic of Srpska, 28th – 30th November, 2012, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo (M63=0.5, R65=0.5);

C. TEHNIČKA REŠENJA / TECHNICAL SOLUTIONS

2008.

- C.1. Dušan Stamenković, Miloš Milošević, Slobodan Jovanović, Milan Banić, **Miroslav Mijajlović**: **GUMENO-METALNI ELEMENTI PRIMARNOG OGIBLJENJA ELEKTRIČNIH LOKOMOTIVA**, Projekat:

Istraživanje i unapređenje primarnog ogibljenja električnih lokomotiva za otežane uslove eksploatacije; Evidencioni broj projekta: TR 14007; Rukovodilac projekta: Prof. dr Dušan Stamenković; 2008-2010. Rešenje urađeno 2010. god, prihvaćeno od Direkcije za železnicu Republike Srbije izdavanjem Privremene dozvole za korišćenje proizvoda I-01-2 br. 340-595-03/10 od 27.10.2010. <http://www.masfak.ni.ac.rs/sitegenius/article.php?aid=6033>, (M84= 3.0, R32=3.0);

- C.2. Dušan Stamenković, Miloš Milošević, Slobodan Jovanović, *Miroslav Mijajlović*, Srđan Mladenović: **ODBOJNIK SA GUMENO-METALNIM OPRUŽNIM ELEMENTIMA**, Projekat: **Razvoj gumeno-metalnih elemenata za železnička vozila**; Evidencioni broj projekta: TR 6336; Rukovodilac projekta: Prof. dr Dušan Stamenković; 2005-2007. Rešenje urađeno 2008.god, prihvaćeno od Direkcije za železnicu Republike Srbije izdavanjem Dozvole za korišćenje proizvoda I-01-2 br. 287-08 od 03.11.2008. <http://www.masfak.ni.ac.rs/sitegenius/article.php?aid=6094>, (M82=6.0, R31=3.0);

2012.

(Re)Izbor u zvanje asistenta, 07.03.2012.

- C.3. Vojislav Miltenović, Miodrag Velimirović, Milan Banić, Dragan Temeljovski, Aleksandar Miltenović, *Miroslav Mijajlović*: **SISTEM ZA PRESOVANJE DRVNOG OTPADA PELETIRANJEM**, Projekat: **Razvoj i unapređenje tehnologije i opreme za pripremu goriva i proizvodnju briketa, peleta, čipsa, balirane slame i drugih mogućih vidova za korišćenje biomase**; Evidencioni broj projekta: 263002; Rukovodilac projekta: Prof. dr Vojislav Miltenović, Rešenje urađeno 2012. godine; Usvojeno odlukom Nastavno-naučnog veća Mašinskog fakulteta u Nišu, odluka broj: 612-367-7/2012, od dana 30.05.2012, http://www.masfak.ni.ac.rs/uploads/articles/www2_c3.pdf, (M82=6.0, R31=3.0);

2013.

- C.4. *Miroslav Mijajlović*, Dragan Milčić, Slobodan Jovanović, Dragan Jovanović: **RADNO MESTO ZA EKSPERIMENTALNA ISTRAŽIVANJA POSTUPKA ZAVARIVANJA TRENJEM SA MEŠANJEM**, Projekat: **Istraživanje primene savremenih nekonvencionalnih tehnologija u proizvodnim preduzećima sa ciljem povećanja efikasnosti korišćenja, kvaliteta proizvoda, smanjenja troškova i uštede energije i materijala**; Evidencioni broj projekta: TR 35034; Rukovodilac projekta: Prof. dr Miroslav Radovanović, Rešenje urađeno 2012. godine; Usvojeno odlukom Nastavno-naučnog veća Mašinskog fakulteta u Nišu, odluka broj: 612-113-2-7/2013, od dana 28.01.2013, http://www.masfak.ni.ac.rs/uploads/articles/www2_radno_mesto_za_eksperimentalna_istrazivanja.pdf, (M83=4.0, R?=?)

D. REALIZOVANI PROJEKTI / REALIZED PROJECTS

2005.

- D.1.Projekat: **RAZVOJ SISTEMA ZA PRESOVANJE DRVNOG OTPADA PELETIRANJEM**. Naučno-istraživački projekat u okviru Nacionalnog programa energetske efikasnosti, koji finansira Ministarstvo za nauku Republike Srbije. Evidencioni broj projekta: EE 602-1024B. Realizacija projekta: 2005. Rukovodilac projekta: *Prof. dr Vojislav Miltenović*. Participant: KOPAONIK dd, Kuršumljia. Pozicija na projektu: istraživač pripravnik, (M?=0.0, R303=0.5);
- D.2.Projekat: **ISTRAŽIVANJE I RAZVOJ FAMILIJE PLANETNIH MULTIPLIKATORA ZA POGON VETROELEKTRANA**. Naučno - istraživački projekat u okviru programa tehnološkog razvoja. Projekat finansiran od strane Ministarstva nauke i zaštite životne sredine, Republika Srbija. Evidencioni broj TR 6363, 2006. Realizacija projekta 2005/2006. Rukovodilac projekta *Prof. dr Aleksandar Vulić*. Participant: MIN FITIP ad, Niš. Pozicija na projektu: istraživač pripravnik (M?=0.0, R303=0.5);
- D.3.Projekat: **RAZVOJ GUMENO-METALNIH ELEMENTATA ZA ŽELEZNIČKA VOZILA**. Naučno-istraživački projekat u okviru programa tehnološkog razvoja u industriji, koji finansira Ministarstvo za nauku Republike Srbije. Evidencioni broj projekta: TR 6336 Realizacija projekta: 2005/2007. Rukovodilac projekta: *Prof. dr Dušan Stamenković*. Participant: MIN – Svrlljig, Svrlljig, TIGAR TEHNIČKA GUMA, Pirot. Pozicija na projektu: istraživač pripravnik (M?=0.0, R303=0.5);
- D.4.Projekat: **ENTWICKLUNG UND EINFÜHRUNG EINES LEHRMODULS FÜR PRODUKTENTWICKLUNG NACH DEM KARLSRUHER MODELL**. DAAD-Sonderprogramm „Akademischer Neuaufbau Südosteuropa“ für den Zeitraum März 2005 – Dezember 2007. Projekt-beauftragter *Prof .Dr.-Ing. Albert*

Albers IPEK - Institut für Produktentwicklung TU Karlsruhe. Projektbeauftragte vor den Universität Nis Prof. Dr.-Ing. Vojislav Miltenović. Projektposition: Realisierung (M?=0.0, R303=0.5);

D.5.Projektat: **SONDERFORSCHUNGSBEREICH 281: "DEMONTAGEFABRIK" TEILPROJEKT A5: SENSOREN ZUR PROZEBFÜHRUNG UND ZUSTANDSERKENNUNG**, 1.1.2004 - 31.12.2006, finanziert durch Deutsche Forschungsgemeinschaft, Fakultät Elektrotechnik und Informatik, Berlin Center of Advanced Packaging, Projekt-beauftragter: Technische Universität Berlin Institut für Werkzeugmaschinen und Fabrikbetrieb (IWF), Fachgebiet Montagetechnik und Fabrikbetrieb, Univ.-Prof. Dr.-Ing. Günther Seliger. Projektposition: Realisierung (M?=0.0, R?=0.0);

D.6.Projektat: **IZRADA I ISPITIVANJE PROTOTIPA PRESE ZA PELETIRANJE DRVNOG OTPADA**. Naučno-istraživački projekat u okviru Nacionalnog programa energetske efikasnosti, koji finansira Ministarstvo za nauku Republike Srbije. Evidencioni broj projekta: EE 263002. Realizacija projekta: 2006/2007. Rukovodilac projekta: Prof. dr Vojislav Miltenović. Participant: MIN FITIP ad, Niš. Pozicija na projektu: istraživač pripravnik (M?=0.0, R303=0.5);

2007.

D.7.Projektat: **IZRADA I ISPITIVANJE PROTOTIPA PRESE ZA PELETIRANJE DRVNOG OTPADA**. Naučno-istraživački projekat u okviru Nacionalnog programa energetske efikasnosti, koji finansira Ministarstvo za nauku Republike Srbije. Evidencioni broj projekta: EE 263002. Realizacija projekta: 2006/2007. Rukovodilac projekta: Prof. dr Vojislav Miltenović. Participant: MIN FITIP ad, Niš. Pozicija na projektu: istraživač pripravnik (M?=0.0, R303=0.5);

D.8.Projektat: **RAZVOJ ENERGETSKI EFIKASNIH PUMPNIH STANICA VIŠESPRATNIH ZGRADA U NIŠU**. Naučno-istraživački projekat u okviru Nacionalnog programa energetske efikasnosti, koji finansira Ministarstvo za nauku Republike Srbije. Evidencioni broj projekta EE 242004. Realizacija projekta: 2007/2008. Rukovodilac projekta: Prof. dr Dragica Milenković. Participant: NIŠ-STAN, Niš. Pozicija na projektu: istraživač pripravnik (M?=0.0, R303=0.5);

2008.

D.9. Projektat: **BILDUNG EINES „ÜBERREGIONALEN SOE ZENTRUMS - ZENTRUMS FÜR PRODUKTENTWICKLUNG“ IN FORTSETZUNG DES DAAD - GEFÖRDERTEN PROJEKTES „ENTWICKLUNG EINES LEHRMODULS FÜR PRODUKTENTWICKLUNG NACH DEM KARLSRUHER MODELL“** DAAD-Sonderprogramm „Akademischer Neuaufbau Südosteuropa“ für den Zeitraum Januar 2008 – Dezember 2008. Projekt-beauftragter Prof. Dr.-Ing. Albert Albers, IPEK - Institut für Produktentwicklung TU Karlsruhe. Projektbeauftragte vor den Universität Nis Prof. Dr.-Ing. Vojislav Miltenović. Projektposition: Realisierung (M?=0.0, R303=0.5);

D.10. Projektat: **ISTRAŽIVANJE I UNAPREĐENJE PRIMARNOG OGIBLJENJA ELEKTRIČNIH LOKOMOTIVA ZA OTEŽANE USLOVE EKSPLOATACIJE**; Evidencioni broj projekta: TR 14007; Rukovodilac projekta: Prof. dr Dušan Stamenković; Realizacija projekta: 2008-2010. Participant: TIGAR, Tehnička guma, Pirot, MIN DIV Svrljig. Pozicija na projektu: istraživač, (M?=0.0, R303=0.5);

D.11. Projektat: **TECHNICAL CHARACTERISTICS RESEARCHING OF MODERN PRODUCTS IN MACHINE INDUSTRY (MACHINE DESIGN, FLUID TECHNIQUES AND CALCULATIONS) WITH THE PURPOSE OF IMPROVEMENT THEIR MARKET CHARACTERISTICS AND BETTER PLACEMENT ON THE MARKET**. Central European Exchange Program for University Studies - CEEPUS II. Project number: CII-RS-0304-02. Project realisation: 2008/-. Project coordinator: Prof. Dr.-Ing. Siniša Kuzmanović, Faculty of Technical Sciences, University of Novi Sad. Project coordinator at University of Nis: Prof. Dr.-Ing. Vojislav Miltenović. Pozicija na projektu: učesnik, (M?=0.0, R303=0.5);

Izbor u zvanje asistenta, 26.05.2008.

D.12. *Stefanović, V, Živković, D, Milčić, D, Radenković, G i dr: Ekspertiza oštećenja na kotlovima "VISSMANN" model VITOMAX 200 HW - ti M238048, snage 16,5 MW u JKP gradska toplana u Kruševcu, 2008, (M?=0.0, R?=0.0);*

2011.

D.13. Projektat: **ISTRAŽIVANJE PRIMENE SAVREMENIH NEKONVENCIONALNIH TEHNOLOGIJA U PROIZVODNIM PREDUZEĆIMA SA CILJEM POVEĆANJA EFIKASNOSTI KORIŠĆENJA, KVALITETA PROIZVODA, SMANJENJA TROŠKOVA I UŠTEDE ENERGIJE I MATERIJALA**, Naučno - istraživački projekat u okviru programa tehnološkog razvoja. Projekat finansiran od strane

Ministarstva za nauku i tehnološki razvoj Republike Srbije. Evidencioni broj TR 35034. Realizacija projekta 2011.-2014. Rukovodilac projekta prof. dr Miroslav Radovanović, (M?=0.0, R303=0.5);

D.14. **Projekat: ISTRAŽIVANJE I RAZVOJ ENERGETSKI I EKOLOŠKI VISOKOEFKATIVNIH SISTEMA POLIGENERACIJE ZASNOVANIH NA OBNOVLJIVIM IZVORIMA ENERGIJE.** Naučno - istraživački projekat u okviru programa integralnih i interdisciplinarnih istraživanja. Projekat finansiran od strane Ministarstva za nauku i tehnološki razvoj Republike Srbije. Evidencioni broj III 42006. Realizacija projekta 2011.-2014. Rukovodilac projekta prof. dr Velimir Stefanović, (M?=0.0, R303=0.5);

D.15. **Projekat: IZRADA I KVALIFIKACIJA TEHNOLOGIJE ZAVARIVANJA CEVI,** naručilac: Balkan d.o.o, za potrebe toplovoda u Požarevcu. Realizacija: Milčić Dragan, Goran Radenković, Miroslav Mijajlović, (M?=0.0, R?=0.0);

2012.

(Re)Izbor u zvanje asistenta, 07.03.2012.

D.16. **Projekat: IZRADA I KVALIFIKACIJA TEHNOLOGIJE ZAVARIVANJA SPOJEVA NA KOTLU ŠUKOPLAM 300,** naručilac: D.O.O. Šukom Knjaževac, za potrebe izrade prototipa. Realizacija: Miroslav Mijajlović, Milčić Dragan, Goran Radenković, (M?=0.0, R?=0.0);

E. DOKTORSKA DISERTACIJA – DOCTORAL DISSERTATION

2012.

E.1. **Miroslav M. Mijajlović:** Istraživanje i razvoj analitičkog modela za određivanje količine generisane toplote pri postupku zavarivanja trenjem sa mešanjem, Univerzitet u Nišu, Mašinski fakultet u Nišu, disertacija odbranjena 15.06.2012., (M71= 6.0, R81=6.0);
