University of Niš
Faculty of Mechanical Engineering

DIRECTORY OF MENTORS
ENGAGED IN THE STUDY PROGRAMME
OF DOCTORAL ACADEMIC STUDIES IN
MECHANICAL ENGINEERING

Niš, November 2013

List of the mentors employed at the Faculty of Mechanical Engineering in Niš

No.	Title	Surname, middle initial, first name	Rank	Total number of papers on the SCI (SSCI) list
1.	Dr.	Blagojević D. Bratislav	full professor	6
2.	Dr.	Stefanović P. Velimir	full professor	6
3.	Dr.	Nikolić D. Vlastimir	full professor	12
4.	Dr.	Ilić S. Gradimir	full professor	6
5.	Dr.	Milčić S. Dragan	full professor	8
6.	Dr.	Milenković R. Dragica	full professor	6
7.	Dr.	Nikodijević D. Dragiša	full professor	13
8.	Dr.	Živković S. Dragoljub	full professor	6
9.	Dr.	Stamenković S. Dušan	full professor	5
10.	Dr.	Ćojbašić M. Žarko	full professor	22
11.	Dr.	Petković D. Ljiljana	full professor	43
12.	Dr.	Manić T. Miodrag	full professor	11
13.	Dr.	Radovanović R. Miroslav	full professor	10
14.	Dr.	Trajanović D. Miroslav	full professor	14
15.	Dr.	Stojiljković M. Mladen	full professor	9
16.	Dr.	Pavlović D. Nenad	full professor	13
17.	Dr.	Pavlović T. Nenad	full professor	5
18.	Dr.	Kozić S. Predrag	full professor	21
19.	Dr.	Rajković M. Predrag	full professor	25
20.	Dr.	Pavlović G. Ratko	full professor	25
21.	Dr.	Anđelković R. Boban	associate professor	6
22.	Dr.	Stojanović V. Branislav	associate professor	5
23.	Dr.	Radenković M. Goran	associate professor	6
24.	Dr.	Stefanović M. Gordana	associate professor	6
25.	Dr.	Radović M. Ljiljana	associate professor	11
26.	Dr.	Mitrović S. Melanija	associate professor	5
27.	Dr.	Milošević S. Miloš	associate professor	5
28.	Dr.	Vukić V. Mića	associate professor	5
29.	Dr.	Janevski B. Goran	assistant professor	11
30.	Dr.	Petrović S. Goran	assistant professor	6
31.	Dr.	Mitrović M. Dejan	assistant professor	6
32.	Dr.	Živković S. Dragan	assistant professor	5
33.	Dr.	Mišić T. Dragan	assistant professor	5
34.	Dr.	Janevski N. Jelena	assistant professor	5
35.	Dr.	Milovančević D. Miloš	assistant professor	6
36.	Dr.	Stojković S. Miloš	assistant professor	13
37.	Dr.	Laković-Paunović S. Mirjana	assistant professor	5
38.	Dr.	Mijajlović M. Miroslav	assistant professor	9
39.	Dr.	Živković M. Predrag	assistant professor	5
40.	Dr.	Marinković Z. Dragan	associate professor	14
41.	Dr.	Durrant – Ristić D. Danijela	assistant professor	6
42.	Dr.	Miltenović V. Aleksandar	scientific associate	9

First name, middle initial, surname			Dragica R. Milenković	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1974	
Specialized scientific or artistic field			Theoretical and Applied Fluid Mechanics	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	1999	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Fluid Mechanics
Doctorate	1988	Faculty of Mechanical Engineering in Belgrade		Theoretical and Applied Fluid Mechanics
Specialization				
Magister Degree	1977	Faculty of Mechanical Engineering in Belgrade		Theoretical and Applied Fluid Mechanics
Dipl.-Ing. Degree	1973	Faculty of Mechanical Engineering in Niš		Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Basics of Turbomachinery	Mechanical Engineering, undergraduate academic studies	1.07
2.	Renewable Energy Sources	Mechanical Engineering, undergraduate academic studies	0.28
3.	Hydro-mechanical Equipment	Mechanical Engineering, undergraduate academic studies	0.83
4.	Hydraulic Energy Plants	Mechanical Engineering, undergraduate academic studies	0.38
5.	Small Hydro Power Plants and Wind Turbines	Energy and Process Engineering, master academic studies	1.00
6.	Renewable Energy Sources	Engineering Management, master academic studies	0.33
7.	Energy Management in Cities	Engineering Management, master academic studies	0.25
8.	Theory of Turbomachinery	Mechanical Engineering, doctoral academic studies	0.35
9.	Renewable Energy Sources	Mechanical Engineering, doctoral academic studies	0.07
10.	Mathematical Modelling in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
11.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
12.	Unsteady and Unstable Flow in Turbomachinery	Mechanical Engineering, doctoral academic studies	0.23
13.	Numerical Simulations of Flow in Turbomachinery	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1.	Milenković D, Unstable operation of turbomachines, **GAMM**, Regensburg, 1984.
2.	Boričić Z, Nikodijević D, Milenković D, Unsteady MHD boundary layer on a porous surface, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS,** Vol. 1 (1995), No. 5, pp. 631-643
3.	Bajmak S, Milenković D, The cavitation of jet pumps, **THE PAM'S PERIODICAL, BULLETINS FOR APPLIED MATHEMATICS(BAM)**, BAM /95, Budapest 1995.
4.	Boričić Z, Nikodijević D, Milenković D, Unsteady axisymmetric magneto-hydrodynamic boundary layer on the body of revolution, **PAMM, BULLETINS FOR APPLIED COMPUTING MATHEMATICS**, 1452/98 [LXXXV], pp. 69-78, 1998.
5.	Milenković D, The unstable operation of turbo machines, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS,** (1999) Vol. 2, No. 7/2, pp. 561-574.
6.	Boričić Z, Nikodijević D, Milenković D, Stamenković Ž, Universal equations of unsteady MHD incompressible fluid flow with variable electro-conductivity on heated moving porous plate, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS,** (2003) Vol. 3, No. 15, pp. 1007-1017.
7.	Boričić Z, Nikodijević D, Milenković D, Stamenković Ž, A form of MHD universal equations of unsteady incompressible fluid flow with variable electroconductivity on heated moving plate, **THEORETICAL AND APPLIED MECHANICS,** (2005) Vol. 32, No. 1, pp. 65-78.
8.	Boričić Z, Nikodijević D, Milenković D, Stamenković Ž, Rotating Stall in centrifugal compressor diffuser, **Conference on Modelling Fluid Flow (CMFF'06)**, The 13th International Conference on Fluid Flow Technologies, Budapest, Hungary, 2006, pp. 1125-1132, ISBN 963-420-872-x.
9.	Milovancevic M, Milenkovic D, Troha S, The Optimization Of The Vibrodiagnostic Method Applied On Turbo Machines, **TRANSACTIONS OF FAMENA,** (2009), Vol. 33, No.3, pp. 63-70
10.	Boricic Z, Nikodijevic D, Milenkovic D, Stamenkovic Z, Zivkovic D, Jovanovic M, Unsteady Plane Mhd Boundary Layer Flow of a Fluid of Variable Electrical Conductivity, **THERMAL SCIENCE**, (2010), Vol. 14, pp. S171-S182
11.	Nikodijevic D, Milenkovic D, Stamenkovic Z, MHD Couette two-fluid flow and heat transfer in presence of uniform inclined magnetic field, **HEAT AND MASS TRANSFER**, (2011), Vol. 47, No. 12, pp. 1525-1535
12.	Milenković D, Jovanović M, Nikodijević J, Ristić M, Kocić M, A study of subsonic compressible flow through the radial impeller of the compressor vane, **FACTA UNIVERSITATIS, SERIES : MECHANICAL ENGINEERING**, (2011), Vol. 9 , No 1, pp. 33–48.
13.	Bogdanović-Jovanović J, Bogdanović B., Milenković D., Determination of averaged axisymmetric flow surfaces according to

	results obtained by numerical simulation of flow in turbomachinery, **THERMAL SCIENCE,** (2012), Vol.16, Suppl. 12, pp. 577-591.
14.	Jovanovic M, Milenkovic D, Petrovic G, Milic P, Milanovic S, Theoretical and Experimental Analysis of Dynamic Processes of Pipe Branch for Supply Water to the Pelton Turbine, **THERMAL SCIENCE**, (2012), Vol. 16, Suppl. 12, pp. S617-S629
15.	Nikodijevic D, Stamenkovic Z, Milenkovic D, Blagojevic B, Nikodijevic J, Flow and Heat Transfer of Two Immiscible Fluids in the Presence of Uniform Inclined Magnetic Field, **MATHEMATICAL PROBLEMS IN ENGINEERING**, Volume 2011 (2011), Article ID 132302, 18 pages

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	2		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 2	**International:**	1
Professional development: St. Petersburg State Polytechnical University, Russia, 1987.			
Other information considered relevant: Monograph, *Unstable working regimes of turbomachines, ISBN 86-80587-24-9, Faculty of Mechanical Engineering, University of Niš, 1999.*			

First name, middle initial, surname			Dragiša D. Nikodijević	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1976	
Specialized scientific or artistic field			Theoretical and Applied Fluid Mechanics	

Academic career	Year	Institution		Field
Election to the rank	1997	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Fluid Mechanics
Doctorate	1986	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Fluid Mechanics
Specialization				
Magister Degree	1981	Faculty of Science and Mathematics in Belgrade		Theoretical and Applied Fluid Mechanics
Dipl.-Math. Degree	1977	Faculty of Philosophy in Niš		Mathematics
Dipl.-Ing. Degree	1975	Faculty of Mechanical Engineering in Niš		Mechanical Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Physics	Mechanical Engineering, undergraduate academic studies	2.00
2.	Fluid Mechanics	Mechanical Engineering, undergraduate academic studies	3.00
3.	Hydro-pneumatic Elements in Mechatronics	Mechanical Engineering, undergraduate academic studies	1.07
4.	Basics of Oil Hydraulics and Pneumatics	Mechanical Engineering, undergraduate academic studies	0.75
5.	Design of Oil Hydraulic and Pneumatic Systems	Energy and Process Engineering, master academic studies	1.00
6.	Ecology Management	Engineering Management, master academic studies	0.25
7.	Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.34
8.	Advanced Fluid Mechanics with Boundary Layer Theory	Mechanical Engineering, doctoral academic studies	0.35
9.	Modelling of Fluid Structure Interaction	Mechanical Engineering, doctoral academic studies	0.36
10.	Numerical Simulation of Fluid Flow	Mechanical Engineering, doctoral academic studies	0.18
11.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
12.	Magnetohydrodynamics	Mechanical Engineering, doctoral academic studies	0.23
13.	Biofluid mechanics	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Saljnikov V., Boričić Z., Nikodijević D., Polyparametrige Methode fur die Berechnung der instationaren MHD Grenzschichten, **ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK,** (1988) Vol. 68, No. 5, pp. 346-349.

2. Saljnikov V., Boričić Z., Nikodijević D., Natürliche Konvektionsströmung an einer senkrecht stehenden geheitzten porosen Platte, **ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK,**(1989) Vol.69, No.6, pp. 648-651

3. Boričić Z., Nikodijević D., Die ebene MHD-Grenzschicht am Körper mit porösen Kontur, **ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK.** (1989) Vol. 69, No.6, pp. 681- 684.

4. Saljnikov V., Boričić Z., Nikodijević D., Lösungen verallgemeinerter Ähnlichkeit für dreidimensionale laminare kompressible Flügelgrenzschichten, **ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK.** (1990) Vol. 70, No. 5, pp. 462- 465.

5. Saljnikov V., Boričić Z., Nikodijević D., General similarity solutions for 3-D laminar compressible boundary layer flows on swept profiled cylinders, **ACTA MECHANICA**, (1994) Suppl. 4, pp. 389-399.

6. Boričić Z, Nikodijević D, Milenković D, Parametric method in the theory of non-stationary axisymmetrical MHD boundary layer on a rotary body, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS**, Vol. 2 (1999), No. 9, pp. 965-972.

7. Saljnikov V, Boričić Z, Nikodijević D, General similarity method for unsteady MHD free convection problems on the vertical wall, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS**, Vol.2, No 10/2 (2000), pp. 1233-1241.

8. Z. Boričić, D. Nikodijević, D. Milenković, Ž. Stamenković, Universal equations of unsteady MHD incompressible fluid flow with variable electro-conductivity on heated moving porous plate, **FACTA UNIVERSITATIS, SERIES MECHANICS, AUTOMATIC CONTROL AND ROBOTICS**, Vol.3 (2003), No. 15, pp. 1007-1017.

9. Obrović B, Nikodijević D, Savić S, Boundary layer of the dissociated gas flow over a porous wall under the conditions of equilibrium dissociation, **THEORETICAL AND APPLIED MECHANICS**, Vol. 32 (2005), no. 2, pp. 165-190.

10. Boričić Z, Nikodijević D, Milenković D, Stamenković Ž, A form of mhd universal equations of unsteady incompressible fluid flow with variable electroconductivity on heated moving plate, **THEORETICAL AND APPLIED MECHANICS**, Vol. 32 (2005), pp. 65-78.

11. Boričić Z, Nikodijević D, Blagojević B, Stamenković Ž, Universal Solutions of Unsteady Two-Dimensional MHD Boundary Layer on the Body with Temperature Gradient along Surface, **WSEAS TRANSACTIONS on FLUID MECHANICS**, Volume

	4, 2009, pp. 97-106, ISSN 1790-5087.
12.	Obrovic B, Nikodijevic D, Savic S, Boundary Layer of Dissociated Gas on Bodies of Revolution of a Porous Contour, **STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING**, (2009), vol. 55, No. 4, pp. 244-253
13.	Nikodijevic D, Nikolic V, Stamenkovic Z. Boricic A , Parametric method for unsteady two-dimensional MHD boundary-layer on a body for which temperature varies with time, **ARCHIVES OF MECHANICS**, (2011), Vol. 63, No. 1, pp. 57-76.
14.	Boricic Z, Nikodijevic D, Milenkovic D, Stamenkovic Z, Zivkovic D, Jovanovic M, Unsteady Plane MHD Boundary Layer Flow of a Fluid of Variable Electrical Conductivity, **THERMAL SCIENCE**, (2010), Vol. 14, pp. S171-S182
15.	Stamenkovic Z, Nikodijevic D, Blagojevic B, Savic S. MHD Flow and Heat Transfer of Two Immiscible Fluids Between Moving Plates, **TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING**, (2010), vol. 34, No.3-4, pp. 351-372
16.	Nikodijevic D, Milenkovic D, Stamenkovic Z, MHD Couette two-fluid flow and heat transfer in presence of uniform inclined magnetic field, **HEAT AND MASS TRANSFER**, (2011), Vol. 47, No. 12, pp. 1525-1535
17.	Nikodijević D, Stamenković Ž, Milenković D, Blagojević B, Nikodijević J, Flow and heat transfer of two immiscible fluids in the presence of uniform inclined magnetic field, **MATHEMATICAL PROBLEMS IN ENGINEERING**, Volume 2011, Article ID 132302, 18 pages.
18.	Nikodijević D, Stamenković Ž, Živković D, Boričić A, Kocić M, Active Control of Flow and Heat Transfer in Boundary Layer on the Porous Body of Arbitrary Shape, **THERMAL SCIENCE**, (2012), vol.16, pp. S295-S309.
19.	Stamenković Ž, Nikodijević D, Kocić M, Nikodijević J, Magnetohydrodynamic Flow and Heat Transfer of Two Immiscible Fluids with Induced Magnetic Field Effects, **THERMAL SCIENCE**, (2012), Vol. 16, pp. S323-S336.

Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations	19	
Total number of papers on the SCI (SSCI) list	13	
Current participation in projects	**Domestic:** 2	**International:** 1
Professional development:		
Other information considered relevant:		

First name, middle initial, surname	Ljiljana M. Radović		
Rank	Associate professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1994		
Specialized scientific or artistic field	Mathematics and Computer Science		

Academic career	Year	Institution	Field
Election to the rank	2012	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	2004	Faculty of Sciences and Mathematics	Mathematics, Algebraic Geometry
Specialization			
Magister Degree	2000	Faculty of Sciences and Mathematics	Mathematics, Algebraic Geometry
Dipl.-Math. Degree	1993	Faculty of Philosophy in Niš, Department of Mathematics	Theoretical and Applied Mathematics, Linear Algebra

List of courses taught by the professor at all levels of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Mathematics 1	Mechanical Engineering, undergraduate academic studies	1.00
2.	Mathematics 2	Mechanical Engineering, undergraduate academic studies	1.00
3.	Mathematics in Engineering Management	Engineering Management, undergraduate academic studies	3.00
4.	Guided Independent Research 1	Control and Applied Computing, master academic studies	0.17
5.	Guided Independent Research 2	Control and Applied Computing, master academic studies	0.33
6.	Intelligent Computer Control and Robotics	Control and Applied Computing, master academic studies	1.00
7.	Selected Topics in Advanced Mathematics	Mechanical Engineering, doctoral academic studies	0.53

Representative references

1.	Kauffman Louis H, Jablan Slavik V, Radovic Ljiljana M, Sazdanovic Radmila, *Reduced Relative Tutte, Kauffman Bracket and Jones Polynomials of Virtual Link Families*, **Journal of knot theory and ramifications**, 2013, 22 (4) DOI: 10.1142/S0218216513400038
2.	Henrich Allison, Hoberg Rebecca, Jablan Slavik, Johnson Lee, Minten Elizabeth, Radovic Ljiljana M, *The Theory of Pseudoknots*, **Journal of knot theory and ramifications**, 2013, 22(7) DOI : 10.1142/S0218216513500326
3.	D. Milovančević, M. Mitrović, Lj. Radović, **Matematika 2 [Mathematics 2]**, Faculty of Mechanical Engineering, Niš, 2013 , ISBN 978-86-6055-040-0 (textbook)
4.	Jablan S., Radović L., Sazdanović R., Zeković A., *Mirror-curves and knot mosaics,* **Computers & Mathematics with Applications**, 2012, 64(4):527-543
5.	Jablan S., Radović L., Sazdanović R., *Knots and links in architecture*, 2012; **Pollack Periodica**, Volume 7, Issue SUPPL. 1, 1 January 2012, Pages 65-76
6.	Jablan, S., Radovic Lj., and Sazdanovic, R.: *Nonplanar graphs derived from Gauss codes of virtual knots and links*, **Journal of Mathematical Chemistry**, 2011 49 (10) : 2250-2267
7.	Jablan, S., Radovic, Lj., *Do you like Palaeolithic op-art*? **, Kybernetes**, 2011 40 (7-8):1045-1054
8.	Jablan, S., Radovic, Lj., Sazdanovic, R., *Knots and Links Derived from Prismatic Graphs*, **Match-Communications in mathematical and in computer chemistry**, 2011 66 (1):65-92
9.	Jablan, S., Radovic, Lj. and Sazdanovic, R.: *Pyramidal Knots and Links and Their Invariants,* **Match-Communications in mathematical and in computer chemistry** , Volume 65:3 (2011):541-580
10.	Jablan S., Radovic Lj., and Sazdanovic, R.: *Tutte and Jones polynomials of links, polyominoes and graphical recombination patterns*, **Journal of Mathematical Chemistry**, 2011 49 (1):79-94
11.	Jablan S., Radovic Lj., Sazdanovic R., *Adequacy of link families*, **Publications de l'Institut Mathematique**, tome 88(102) (2010), pp.21-52
12.	Jablan S., Radovic Lj., Sazdanovic R., *Tutte and Jones polynomials of link families*, **Filomat** 24:3 (2010), pp.19-33

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	8 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	11		
Current participation in projects	**Domestic:** 1	**International:**	
Professional development:			
Other information considered relevant:			

First name, middle initial, surname	Dragan S. Živković
Rank	Assistant professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1977
Specialized scientific or artistic field	Mathematics and Computer Science

Academic career	Year	Institution	Field
Election to the rank	2009	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	2009	Faculty of Mechanical Engineering in Niš	Numerical Mathematics
Specialization			
Magister Degree	1988	Faculty of Electronic Engineering in Niš	Applied Mathematics
Dipl.-Math. Degree	1976	Faculty of Philosophy Niš, Department of Mathematics	Mathematics

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Mathematics 1	Mechanical Engineering, undergraduate academic studies	4.00
2.	Selected Topics in Advanced Mathematics	Mechanical Engineering, doctoral academic studies	0.53
3.	Numerical Methods	Mechanical Engineering, doctoral academic studies	0.44

Representative references

1.	Lj. D. Petković, S. Tričković, D. Živković: Secant slope methods for inclusion of complex zeros of polynomials, In: Numerical Methods and Error--Bounds (eds. G.Alefeld, J.Herzberger), **Mathematical Research** Vol. 89, Academie Verlag, Berlin 1996, 172-178.
2.	M. S. Petković, Lj. D. Petković, D. Zivković: Laguerre-like methods for the simultaneous approximation of polynomial zeros, **Computing** 15 (2001) 189-211.
3.	Lj. D. Petković, M S. Petković, D. Živković: Interval root-finding methods of Laguerre's type, **Computing** 16 (2002) 199 - 211.
4.	Lj. D. Petković, D. Živković: On an accelerated Laguerre's method for finding zeros of a polynomial. Proc. on **X Conf. on Applied Mathematics** (eds. D.Herceg, Lj.Cvetković), Novi Sad 1996, 55-63.
5.	Miloš M. Jovanović, Dragan S. Živković, Jelena D. Nikodijević "Rayleigh-Benard convection instability in the presence of temperature variation at the lower wall", **Thermal Science**, Year 2012, vol.16, Suppl.2, pp.281-294, ISSN 0354-9836 DOI:10.2298/TSCI120505169J.
6.	Jovanović Miloš, Živković Dragan, Nikodijević Jelena „Rayleigh-Bénard Convective Instability with spatial modulation on both plates", **XI International Conference on Systems, Automatic Control and Measurements**, SAUM 2012, Proceedings p.322-325, University of Niš, Faculty of Electronic Engineering, November 14-16, 2012, Niš, Serbia, ISBN 978-86-6125-072-9.
7.	Zoran B. Boričić, Dragiša D. Nikodijević, Dragica R. Milenković, Živojin M. Stamenković, Dragan S. Živković, Miloš M. Jovanović, "Unsteady MHD boundary layer flow of a fluid of variable electrical conductivity", **Thermal Science**, vol.14 , Issue suppl., 2010, pp. 171-182. ISSN 0354-9836 DOI:10.2298/TSCI100522024B
8.	M.S. Petković, Lj.D. Petković D. Živković, Hansen-Patrick's family is of Laguerre's type, Novi Sad **J. Math**. 33, No 1 (2003) 109--115.
9.	Dragan Živković, Miloš Jovanović, Miloš Kocić, Jelena Nikodijević : „Multiparametric method for the case of unsteady temperature mhd boundary layer of incompressible fluid with variable electroconductivity" , **The International Conference, Mechanical Enginering in XXI Century,** 25-26 November 2010, Niš, Serbia; Proceedings 95-98 .
10.	Nikodijević Dragiša, Stamenković Živojin, Živković Dragan, Boričić Aleksandar, Kocić Miloš, Active Control of Flow and Heat Transfer in Boundary Layer on the Porous Body of Arbitrary Shape, **THERMAL SCIENCE**, (2012), vol.16, pp. S295-S309.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	1		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1	**International:**	
Professional development:			
Other information considered relevant:			

First name, middle initial, surname	Ljiljana D. Petković		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1976		
Specialized scientific or artistic field	Mathematics and Computer Science		

Academic career	Year	Institution	Field
Election to the rank	1996	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	1985	Faculty of Natural and Mathematical Sciences in Kragujevac	Applied Mathematics
Specialization			
Magister Degree	1982	Faculty of Natural and Mathematical Sciences in Skopje	Mathematics
Dipl.-Math. Degree	1975	Faculty of Philosophy Niš, Department of mathematics	Mathematics

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Numerical Mathematics and Programming	Mechanical Engineering, undergraduate academic studies	9.00
2.	Guided Independent Research 1	Control and Applied Computing, master academic studies	0.17
3.	Computer Techniques	Control and Applied Computing, master academic studies	0.50
4.	Selected Topics in Advanced Mathematics	Mechanical Engineering, doctoral academic studies	0.53
5.	Numerical Methods	Mechanical Engineering, doctoral academic studies	1.28

Representative references

1.	M. S. Petković, Lj. D. Petković, Complex interval arithmetic and its applications, **Wiley-VCH**, Berlin 1998.
2.	M. Petković, B. Neta, Lj. D. Petković, J. Džunić, Multipoint methods for solving nonlinear equations, **Elsevier**, Amsterdam 2013.
3.	Lj. D. Petković, M. S. Petković, Inequalities in circular complex arithmetic: a survey. In: **Recent Progress in Inequalities** (ed. G.V. Milovanović), Kluwer, Dordrecht 1998, pp. 325-340.
4.	J. Herzberger, Lj. D. Petković, Efficient iterative algorithms for bounding the inverse of a matrix, **Computing 44** (1990), pp. 237-244.
5.	J. Herzberger, Lj.D. Petković, On the construction of efficient interval Schulz's methods for bounding the inverse matrix. **Z. Angew. Math. Mech.** 71 (1991), pp. 411-412.
6.	Lj.D. Petković, S. Tričković, On the construction of simultaneous methods for multiple zeros, **Nonlinear Analysis 30** (No 2) (1997), pp. 669-676.
7.	Lj.D. Petković, The analysis of the numerical stability of iterative methods using interval arithmetic. Oldenburg 1991, In: Computer Arithmetic and Enclosure Methods (Eds. L. Atanassova, J. Herzberger), **North Holland**, Amsterdam1992, pp. 309-317.
8.	Lj.D. Petković: On optimal including circular approximation for the range of complex exponential function. **Z. Angew. Math. Mech.** 73 (1993), 109-116.
9.	M. Petković, Lj. D. Petković, Schroeder-like methods for the simultaneous inclusion of polynomial zeros, **Computing 16** (2002), pp. 185-199.
10.	Lj. D. Petković, M. Petković, D. Živković, Interval root-finding methods of Laguerre-like type, **Computing 16** (2002), pp. 199-211.
11.	Lj.D. Petković, M. Petković, D. Milošević, Weierstrass-like methods with corrections for the inclusion of polynomial zeros, **Computing 75** (2005), pp. 55-69.
12.	Lj.D. Petković, M. Petković, A note on some recent methods for solving nonlinear equations, **Appl. Math. Comp. 185** (2007), pp. 368-374.
13.	M. Petković, Lj.D. Petković, A one parameter square root family of two-step root-finders, **Appl. Math. Comp. 188** (2007), pp. 339-344.
14.	Lj.D. Petković, L. Rančić, M.S. Petković, An efficient higher order family of rootfinders, **J. Comput. Appl. Math.** 216 (2008), 56-72.
15.	M.S. Petković, L. Rančić, Lj.D. Petković, S. Ilić: Chebyshev-like root finding methods with accelerated convergence, **Numer. Linear Algebra Appl.** 16 (2009), 971-994.
16	M. S. Petković, Lj.D. Petković, J. Džunić, Accelerating generators of iterative methods for finding multiple roots of nonlinear equations, **Computers and Mathematics with Applications** 59 (2010), 2784-2793.
17.	M.S. Petković, Lj.D. Petković ,Đ. Herceg: On Schroeder's families of root-finding methods, **J. Comput. Appl. Math.** 233 (2010) 1755-1762.
18.	Lj.D. Petković, M. S. Petković, J. Džunić, A class of three-point root-solvers of optimal order of convergence, **Applied Mathematics and Computation** 216 (2010), 671-676.
19.	J. Džunic, M.S. Petković, Lj.D. Petković, Three-point methods with and without memory for solving nonlinear equations, **Applied Mathematics and Computation** 218 (2012), 4917-4927.
20.	J. Džunić, M.S. Petković, L.D. Petković: On an efficient family of simultaneous methods for finding polynomial multiple zeros, in: Numerical Mathematics and Advanced Applications, (eds. A. Cangiani, R.L. Davidchack, E.H. Georgoulis, A.

Gorban, J. Levesley, M.V. Tretyakov), Springer, Heidelberg-New York, 2013, pp. 149-156.		
Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations	132 (h index 7)	
Total number of papers on the SCI (SSCI) list	43	
Current participation in projects	**Domestic:** 1	**International:**

Professional development: *Universities of Freiburg (1984), Kil (1998, DAD stipend), Oldenburg (2001, DAD stipend), Vienna University of Technology 2002, University of Tsukuba (Japan) 2003, Humbolt University in Berlin 2007, Harvard University, Boston 2009.*

Other information considered relevant: *Visiting professor in 1989 at the University of Oldenburg (Germany) (DFG grant). Invited lecturer at the universities: Freiburg (Germany) 1984, Ljubljana (ex-Yu) 1987, Oldenburg 1989, Sofia 1996, Oldenburg 1998, Kil 1998, Oldenburg 2000, Vienna University of Technology 2002, Graduate University for Advanced Studies, Tokyo 2003, University of Tokyo 2003, University of Nagoya (Japan) 2003, Humbolt University in Berlin 2007. Author of 95 scientific papers, 2 monographs of outstanding international importance, 3 textbooks and 3 books. Participant of 26 international conferences and 2 world congresses. Reviewer in 5 international journals, reviewer of Mathematical Reviews and a member of the American Mathematical Society (AMS). Reward of the Serbian Ministry of Science for the results on the project in 2005. Charter of the Faculty of Mechanical Engineering in 2010 for an exceptional contribution to the development of the faculty.*

First name, middle initial, surname	Melanija S. Mitrović
Rank	Associate professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1985
Specialized scientific or artistic field	Mathematics

Academic career	Year	Institution		Field
Election to the rank	2006	Faculty of Mechanical Engineering in Niš		Mathematics and Computer Science
Doctorate	2000	Faculty of Sciences and Mathematics in Niš		Mathematics (Algebra)
Specialization				
Magister Degree	1992	Faculty of Philosophy in Niš, Department of Mathematics		Mathematics (Algebra)
Dipl.-Math. Degree	1983	Faculty of Philosophy in Niš, Department of Mathematics		Mathematics

List of courses taught by the professor at all levels of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Mathematics 2	Mechanical Engineering, undergraduate academic studies	3.00
2.	Statistics for Engineers	Mechanical Engineering, undergraduate academic studies	2.00
3.	Business Statistics	Engineering Management, undergraduate academic studies	5.00
4.	Selected Topics in Advanced Mathematics	Mechanical Engineering, doctoral academic studies	0.53

Representative references

1.	M. Mitrović, **On Semilattices of Archimedean semigroups - a survey**, in Proceedings of Workshop on Semigroups and Languages, 2002, Lisbon, Portugal, World Scientific 2004, 163--196.
2.	M. Mitrović, **Semilattices of Archimedean semigroup**, *Monografija,* Univerzitet u Nišu – Mašinski fakultet, 2003.
3.	M. Mitrović, **Regular Subsets of Semigroups Related to their Idempotents**, Semigroup Forum, Vol.70 (2004), No. 3, pp.356-360.
4.	S. Bogdanović, M. Ćirić, M. Mitrović, **Semilattices of Nil-extensions of Simple Regular Semigroups**, Algebra Colloquium10:1 (2003), pp. 81-90.
5.	B. D. Nikolić, B. Kegl, S. D. Marković, M. S. Mitrović, **Determining the Speed of Sound, Density, and Bulk of Rapeseed Oil, Biodiesel, and Diesel Fuel**, Thermal Science, 2012, 16, Suppl. 2, S505-S514.
6.	D. Milovančević, M. Mitrović, Lj. Radović, **Matematika 2**, Mašinski fakultet Niš, 2013 (textbook)
7.	S. Crvenković, M. Mitrović, D. A. Romano, **Complementary pair of quasi-antiorders**, Reports of Mathematical Logic, 45(2010), 1-6.
8.	S. Crvenković, M. Mitrović, D. A. Romano, **Semigroups with apartness**, Mathematical Logic Quarterly, 1-8 (2013) DOI 10.2002/malq.201200107
9.	Y. Shao, S. Crvenković, M. Mitrović, **The Zeleznikow problem on a class of additively idempotent semirings**, Journal of the Australian Mathematical Society, published online on 5 of September 2013, DOI 10.1017/S14467887713000359
10.	M. Mitrović, D. A. Romano, M. Vinčić, **Theorem on semilattice-ordered semigroup**, International Mathematical Forum, 4(5)(2009), 227-232.
11.	S. Bogdanović, M. Ćirić, M. Mitrović, **Semigroups Satisfying Certain Regularity Conditions**, "Advances in Algebra - Proceedings of the ICM Satellite Conference in Algebra and Related Topics", World Scientific Publ. Co. Singapore, 2003, 46-59.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	16		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1	**International:**	

Professional development: 2005, Tempus IMG-SCG1025-2005, TU Vienna, Vienna, Austria

Other information considered relevant: *Participant of 2 international scientific projects in period 2007-2010 (Republic of Srpska). Invited lectures: Bar Ilan University, Tel Aviv (2013), UTAD, Vila Real, Portugal (2008), TU Vienna, Vienna, Austria (2007). Member of Programme and Organizing Committee, reviewer of 8 international conferences: 2 times (among them) chair of the Organizing Committee of international conferences organized by Faculty of Mechanical Engineering in Niš – one of them, CMFP 2013 is the first conference with constructive mathematics as the topics ever organized in Serbia and Balkan peninsula. Cited as "Serbian School of semigroup theory" in the Proceedings of the Conference on Semigroups and Applications, St. Andrews, UK, 2-9 July 1997, World Scientific 1999, page 78.*

First name, middle initial, surname		Predrag M. Rajković	
Rank		Full professor	
Name of the institution where the professor is employed full-time and since when		Faculty of Mechanical Engineering in Niš, 1984	
Specialized scientific or artistic field		Mathematics and Computer Science	
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2009	Faculty of Mechanical Engineering in Niš	Mathematics and Computer Science
Doctorate	1998	Faculty of Philosophy in Niš, Department of Mathematics	Mathematics (Numerical Analysis)
Specialization			
Magister Degree	1991	Faculty of Philosophy in Niš, Department of Mathematics	Mathematics (Numerical Analysis)
Dipl.-Math. Degree	1983	Faculty of Philosophy in Niš, Department of Mathematics	Mathematics

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Engineering Graphics	Mechanical Engineering, undergraduate academic studies	1.75
2.	Mathematics 3	Mechanical Engineering, undergraduate academic studies	6.00
3.	Operational Research	Traffic Engineering, Transport and Logistics, master academic studies	1.00
4.	Guided Independent Research 2	Control and Applied Computing, master academic studies	0.33
5.	Applied Computing	Control and Applied Computing, master academic studies	0.67
6.	Selected Topics in Advanced Mathematics	Mechanical Engineering, doctoral academic studies	0.53
7.	Numerical Methods	Mechanical Engineering, doctoral academic studies	0.44

Representative references

1. **Rajković P.M.,** Barry P., Petković M.D., **SOBOLEV ORTHOGONAL POLYNOMIALS IN COMPUTING OF HANKEL DETERMINANTS,** Linear algebra and applications 437 (10) (2012), pp. 2417–2428.

2. Marinković S.D., Stanković M.S., **Rajković P.M., FUNCTIONS INDUCED BY ITERATED DEFORMED LAGUERRE DERIVATIVE: ANALYTICAL AND OPERATIONAL APPROACH,** Abstract and Applied Analysis (2012) 1-17. Hindawi Publishing Vol. 2012, Article ID 190726.

3. Petković M.D., Barry P., **Rajković P.M., CLOSED-FORM EXPRESSION FOR HANKEL DETERMINANTS OF THE NARAYANA POLYNOMIALS,** Czechoslovak Mathematical Journal, 62 (137) (2012), 39–57.

4. Stanković M.S., Marinković S.D., **Rajković P.M.**, **THE DEFORMED EXPONENTIAL FUNCTIONS OF TWO VARIABLES IN THE CONTEXT OF VARIOUS STATISTICAL MECHANICS**, Applied mathematics and computation 218 (2011) 2439–2448

5. Stanković M.S., Marinković S.D., **Rajković P.M., DEFORMED AND MODIFIED MITTAG-LEFFLER POLYNOMIALS**, Mathematical And Computer Modelling 54 (2011), 721–728.

6. Petković M.D., **Rajković P.M.,** Barry P., **THE HANKEL TRANSFORM OF GENERALIZED CENTRAL TRINOMIAL COEFFICIENTS AND RELATED SEQUENCES,** Integral Transforms and Special Functions, Vol. 22, Issue 1 (2011), 29–44.

7. **Rajković P.M.,** Marinković S.D., Stanković M.S., **A GENERALIZATION OF THE CONCEPT OF Q-FRACTIONAL INTEGRALS,** Acta Mathematica Sinica, English version, Vol. 25, No. 10 (2009), 1635-1646.

8. Rajković P.M., Marinković S.D., Stanković M.S., **DIFFERENTIAL AND INTEGRAL CALCULUS OF BASIC HYPERGEOMETRIC FUNCTIONS** (monograph in Serbian), Mašinski fakultet u Nišu, Niš, 2008.

9. Marinković S.D., **Rajković P.M.,** Stanković M.S., **THE INEQUALITIES FOR SOME TYPES OF Q-INTEGRALS,** Computers and Mathematics with Applications 56 (2008) 2490–2498.

10. Pavlović R., **Rajković P.M.,** Pavlović I., *ALMOST SURE STABILITY OF A MOVING ELASTIC BAND,* Journal of Applied Mechanics, July 2008, Vol. 75, Issue 4, 041016

11. Pavlović R., **Rajković P.M.,** Pavlović I., **DYNAMIC STABILITY OF THE VISCOELASTIC ROTATING SHAFT SUBJECTED TO RANDOM EXCITATION,** International Journal of Mechanical Sciences, 50(2008), 359-364.

12. Koepf W., **Rajković P.M.,** Marinković S.D., **PROPERTIES OF Q-HOLONOMIC FUNCTIONS,** Journal of difference equations and applications (2007), Vol. 13, No. 7, 621-638.

13. **Rajković P. M.,** Petković M. D., Barry P., **THE HANKEL TRANSFORM OF THE SUM OF CONSECUTIVE GENERALIZED CATALAN MUMBERS,** Integral Transforms And Special Functions (2007), Vol. 18, Issue 4, 285-296.

14. Kozić P., Pavlović R., **Rajković P.M., MOMENT LYAPUNOV EXPONENTS AND STOCHASTIC STABILITY OF A PARAMETRICALLY EXCITED OSCILLATOR,** Meccanica, Vol. 42 (2007) 323–330.

15. Pavlović R., Kozić P., **Rajković P.M., DYNAMIC STABILITY OF A THIN-WALLED BEAM SUBJECTED TO AXIAL LOADS AND END MOMENTS,** Journal of Sound and Vibration 301 (2007) 690–700

16. **Rajković P. M.,** Marinković S. D., Stanković M. S., **ON Q-ORTHOGONAL POLYNOMIALS OVER A COLLECTION OF COMPLEX ORIGIN INTERVALS RELATED TO LITTLE Q-JACOBI POLYNOMIALS,** Ramanujan Journal (2006), 12, No. 2, 245-255.

17.	**Rajković P. M.,** Marinković S. D., Stanković M. S., **ON Q-NEWTON-KANTOROVCH METHOD FOR SOLVING SYSTEMS OF EQUATIONS**, Applied Mathematics And Computation (2005), Vol. 168, No. 2, pp. 1432-1448.
18.	Marinković S. D., **Rajković P. M., THE Q-ANALOGUES OF LAGUERRE POLYNOMIALS OVER A COLLECTION OF COMPLEX ORIGIN INTERVALS**, Integral Transforms And Special Functions (2005), Vol. 16, No. 2, 159-169.
19.	Pavlović R., Kozić P., **Rajković P.M., INFLUENCE OF TRANSVERSE SHEAR ON THE STOCHASTIC INSTABILITY OF VISCOELASTIC BEAM,** International Journal of Solids and Structures, Stanford, California, Vol. 38, Issues 38-39, (2001), 6829-6837.
20.	Milovanović G.V., **Rajković P.M., ON POLYNOMIALS ORTHOGONAL ON A CIRCULAR ARC,** Journal Computational Applied Mathematics (1994), Vol. 51, 1-13.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	142 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	25		
Current participation in projects	**Domestic:** 1	**International:**	1

Professional development: 2004, 2008 Faculty of Mathematics and Informatics, University of Kassel, Kassel, Germany

2011., Foreign examiner for doctoral dissertation of candidate Aoife Hennessy, Waterford Institute, Ireland

Other information considered relevant: Mentor of doctoral dissertation *Slađane D. Marinković*, M.Sc.

Co-mentor of doctoral dissertation *Marko D. Petković*, M.Sc.

First name, middle initial, surname	Goran B. Janevski	
Rank	Assistant professor	
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1994	
Specialized scientific or artistic field	Theoretical and Applied Mechanics	

Academic career	Year	Institution	Field
Election to the rank	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Specialization			
Magister Degree	2003	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Dipl.-Ing. Degree	1994	Faculty of Mechanical Engineering in Niš	Manufacturing Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Mechanics I - Statics	Mechanical Engineering, undergraduate academic studies	1.00
2.	Mechanics II - Kinematics	Mechanical Engineering, undergraduate academic studies	1.00
3.	Mechanics III - Dynamics	Mechanical Engineering, undergraduate academic studies	2.00
4.	Mechanics IV – Theory of Vibrations	Mechanical Engineering, undergraduate academic studies	2.00
5.	Engineering Physics	Mechanical Engineering, undergraduate academic studies	0.38
6.	Engineering Management in Banking and Insurance	Mechanical Engineering, undergraduate academic studies	0.58
7.	Selected Topics in Theory of Vibrations	Mechanical Engineering, doctoral academic studies	0.88
8.	Theory of Composite Structures	Mechanical Engineering, doctoral academic studies	0.18
9.	Theory of Nonlinear Vibrations	Mechanical Engineering, doctoral academic studies	0.18
10.	Vibrations and Stability of Elastic Bodies	Mechanical Engineering, doctoral academic studies	0.18
11.	Engineering Experiment and Application Software in Mechanics	Mechanical Engineering, doctoral academic studies	0.66

Representative references

1. I. Pavlović, R. Pavlović, P. Kozić, G. Janevski, (2013) **Almost sure stochastic stability of a viscoelastic double-beam system**, *Archive of Applied Mechanics, Vol.83, 1591-1605*.

2. V. Stojanović, P. Kozić, G. Janevski, (2013) **Exact closed-form solution for the natural frequencies and stability of elastically connected multiple beam system using Timoshenko and high-order shear deformation theory**, Journal of Sound and Vibration, Vol.332, No.3, 563-576.

3. V. Stojanović, P. Kozić, G. Janevski, (2012) **Buckling instabilities elastically connected Timoshenko beams an elastic layer subjected to axial forces**, *Journal Mechanics of Materials and Structures*, Vol. 7 No.4, 363-374

4. Predrag Kozić, Goran Janevski, Ratko Pavlović, (2010) **Moment Lyapunov exponents and stochastic stability of a double-beam system under compressive axial load**, *International Journal of Solid and Structures, Vol. 47 (10), 1435-1442*.

5. Predrag Kozić, Ratko Pavlović, Goran Janevski, (2008) **Moment Lyapunov exponents of the stochastic parametrical Hill's equation**, *International Journal of Solid and Structures, Vol.45. (24), pp.6056-6066*

6. Goran Janevski, Predrag Kozić, Ratko Pavlović, Zoran Golubović, (2011) **The moment Lyapunov exponent of a Timoshenko beam under bounded noise excitation**, *Archive of Applied Mechanics, Vol. 81, 403-417*

7. G. Janevski, P. Kozić, R. Pavlović, (2012) **Moment Lyapunov exponents and stochastic stability of a thin- walled beam subjected to eccentric axial loads**, *Journal of Theoretical and Applied Mechanics*, ISSN 1429-2955, Vol. 50(1).

8. Predrag Kozić, Ratko Pavlović, Goran Janevski, Zoran Golubović, (2010) **Influence of the mode number on the stochastic stability regions of the elastic beam**, *MECCANICA, Vol.45., pp. 553-565.*

9.	Predrag Kozić, Goran Janevski, Ratko Pavlović, (2009) Moment Lyapunov exponents and stochastic stability for two coupled oscillators, *The Journal of Mechanics of Materials and Structures, Vol.4., No. 10., pp.1689-1701*
10.	P. Kozić, R. Pavlović, G. Janevski, V. Stojanović, **Moment Lyapunov exponents and stochastic stability of moving narrow bands**, *Journal of Vibration and Control*, (accepted for publication), *Vol.17(7), pp.988-999*.
11	V. Stojanović, P. Kozić, R. Pavlović, G. Janevski, V. Stojanović, **Effect of rotary inertia and shear on vibration and buckling of a double beam system under compressive axial loading**, *Archive of Applied Mechanics*, Vol. 81, 1993-2005

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	17 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	11		
Current participation in projects	**Domestic:** 1	**International:**	0
Professional development: -			
Other information considered relevant: -			

First name, middle initial, surname	Predrag S. Kozić
Rank	Full professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1974
Specialized scientific or artistic field	Theoretical and Applied Mechanics

Academic career	Year	Institution	Field
Election to the rank	2006	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	1990	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Specialization			
Magister Degree	1982	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Dipl.-Ing. Degree	1974	Faculty of Mechanical Engineering in Niš	Manufacturing Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Mechanics I - Statics	Mechanical Engineering, undergraduate academic studies	1.00
2.	Strength of Materials	Mechanical Engineering, undergraduate academic studies	2.00
3.	Mechanics IV – Theory of Vibrations	Mechanical Engineering, undergraduate academic studies	1.00
4.	Selected Topics in Theory of vibrations	Mechanical Engineering, doctoral academic studies	0.88
5.	Theory of Nonlinear Vibrations	Mechanical Engineering, doctoral academic studies	0.18
6.	Vibrations and Stability of Elastic Bodies	Mechanical Engineering, doctoral academic studies	0.18
7.	Stochastic Processes in Mechanical Systems	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	**P. Kozić**, R. Pavlović, P. Rajković: Moment Lyapunov exponents and stochastic stability of a parametrically excited oscillator. **Meccanica, 2007**, Vol. 42, pp. 323 -330.
2.	**P. Kozić**, R. Pavlović, G. Janevski: Moment Lyapunov exponents of the stochastic parametrical Hill's equation. **International Journal of Solids and Structures**, 2008, Vol. 45, pp. 6056-6066.
3.	R. Pavlovic, P. **Kozić**, S. Mitić, I. Pavlović: Stochastic stability of a rotating shaft. **Archive of Applied Mechanics**, **2009**, Vol. 79, pp. 1163-1171.
4.	**P. Kozić**, G. Janevski, R. Pavlović: Moment Lyapunov exponents and stochastic stability for two coupled oscillators. **Journal of Mechanics of Materials and Structures**, 2009, Vol. 4, pp. 1689–1701.
5.	**P. Kozić,** G. Janevski , R. Pavlović,: Moment Lyapunov exponents and stochastic stability of a double-beam system under compressive axial loading. **International Journal of Solids and Structures**, 2010, Vol. 47, pp. 1435-1442.
6.	**P. Kozić**, R. Pavlović, G. Janevski, Z. Golubović: Influence of the mode number on the stochastic stability regions of the elastic beam. **Meccanica, 2010**, Vol. 45, pp. 553-565.
7.	A. Tylikowski, R. Pavlović, **P. Kozić**.: Influence of transverse shear on stochastic instability of symmetric-ply laminated plates. **Probabilistic Engineering Mechanics, 2011,** Vol. 26, pp. 454-460.
8.	G. Janevski, **P. Kozić**, R. Pavlović, Z. Golubović**:** The moment Lyapunov exponent of a Timoshenko beam under bounded noise excitation. **Archive of Applied Mechanics, 2011,** Vol. 81(4), pp. 403-417.
9.	**P. Kozić**, R. Pavlović, G. Janevski, V. Stojanović: Moment Lyapunov exponents and stochastic stability of moving narrow bands. **. Journal of Vibration and Control, 2011,** Vol. 17(7), pp. 988-999.
10.	V.Stojanović, **P. Kozić**, R. Pavlović, G. Janevski.: Effect of rotary inertia and shear on vibration and buckling of a double beam system under compressive axial loading. **Archive of Applied Mechanics, 2011,** Vol. 81(12), pp. 1993-2005.
11.	**G. Janevski, P. Kozić, R. Pavlović,** Moment Lyapunov exponents and stochastic stability of a thin-walled subjected to eccentric axial loads**. Journal of Theoretical and Applied Mechanics**, **2012,** Vol. 50(1), pp. 61-83.
12.	**V. Stojanović, P. Kozić, Forced transverse vibration of Rayleigh and Timoshenko double-beam system with effect of compressive axial load. International Journal of Mechanical Sciences**, **2012,** Vol. 60, pp. 59-71.
13.	R. **Pavlović, P. Kozić,** S. Mitić, I. Pavlović, Influence of rotary inertia on dynamic stability of the viscoelastic symmetric cross-ply laminated plates. **Mechanics Research Communications**, **2012,** Vol. 45, pp. 28-33.
14.	**V. Stojanović, P. Kozić**, G. Janevski, Buckling instabilities of elastically connected Timoshenko beams on an elastic layer subjected to axial forces. **Journal of Mechanics of Materials and Structures**, **2012,** Vol. 7, pp. 363–374.

15.	R. **Pavlović, P. Kozić,** I. Pavlović, Dynamic stability of a double-beam system subjected to random forces. **International Journal of Mechanical Sciences**, **2012,** Vol. 62, pp. 111-119.
16.	V. Stojanović , **P. Kozić**, G. Janevski, Exact closed-form solutions for the natural frequencies and stability of elastically connected multiple beam system using Timoshenko and high-order shear deformation theory. **Journal of Sound and Vibration**, **2013,** Vol. 332(3), pp. 563-576.
17.	V. Stojanović , **P. Kozić**, Stochastic stability of a thick beams using contact transformation method. **Probabilistic Engineering Mechanics, 2013,** Vol. 34, pp. 110-113
18.	**I. Pavlović, R. Pavlović, P. Kozić,** G. Janevski**, Almost sure stochastic stability of a viscoelastic double-beam system. Archive of Applied Mechanics**, **2013,** Vol. 83(11), pp. 1591-1605..
19.	P. Kozić, **Otpornost materijala [Strength of materials]**, *Univerzitetski udžbenik*, Biblioteka ACADEMIA, Izdavač: Izdavačka jedinica Univerziteta u Nišu, Prvo izdanje, s. 346, 2003.
20.	K. Hedrih, P. Kozić, **Teorija oscilacija mehaničkih sistema [Theory of vibrations of mechanical systems]**, Zbirka rešenih ispitnih zadataka II deo, *Pomoćni univerzitetski udžbenik*, Izdavačka jedinica Univerziteta u Nišu, s. 322, 1997.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	39 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	21		
Current participation in projects	**Domestic** 1	**International:**	0
Professional development: -			
Other information considered relevant: -			

First name, middle initial, surname	Ratko G. Pavlović
Rank	Full professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1976
Specialized scientific or artistic field	Theoretical and Applied Mechanics

Academic career	Year	Institution	Field
Election to the rank	2001	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Doctorate	1990	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Specialization			
Magister Degree	1982	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Mechanics
Dipl.-Ing. Degree	1974	Faculty of Mechanical Engineering in Niš	Machine Construction

List of courses taught by the professor at all levels of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Mechanics I - Statics	Mechanical Engineering, undergraduate academic studies	0.00
2.	Mechanics II - Kinematics	Mechanical Engineering, undergraduate academic studies	1.00
3.	Mechanics III - Dynamics	Mechanical Engineering, undergraduate academic studies	2.00
4.	Methods and Organization of Scientific Research	Mechanical Engineering, doctoral academic studies	2.75
5.	Analytical Mechanics	Mechanical Engineering, doctoral academic studies	0.35
6.	Theory of Composite Structures	Mechanical Engineering, doctoral academic studies	0.18
7.	Theory of Plates and Shells	Mechanical Engineering, doctoral academic studies	0.35
8.	Vibrations and Stability of Composite Plates and Shells	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	R. Pavlović, Dynamic stability of antisymmetrically laminated angle-ply rectangular plates subjected to random excitation, **Journal of Sound and Vibration**, Vol.171/1 (1994), pp 87-97.
2.	P. Kozić, R. Pavlović: The Stability of a Thin Moving Elastic Strip Subjected to Random Parametric Excitations. **Journal of Sound and Vibration, 1977**, Vol. 206, pp. 280-285.
3.	R. Pavlović, P. Kozić, P. Rajković, Influence of transverse shear on the stochastic instability of viscoelastic beam, **International Journal of SOLIDS and STRUCTURES**, N_0 38 (2001), pp. 6829-6837.
4.	R. Pavlović, P. Kozić, S. Mitić, Influence of Transverse Shear on Stochastic Instability of the Elastic Beam, **Meccanica**, Vol. 39 (2004), pp. 407-414.
5.	P. Kozić, R. Pavlović: Stochastic stability of torsion oscillations in moving thin elastic bands. **Journal of Sound and Vibration, 2004**, Vol. 274, pp. 1103-1109.
6.	R. Pavlović, P. Kozić, P. Rajković, Influence of randomly varying damping coefficient on the dynamic stability oh continuous systems, **European Journal oh Mechanics A/Solids**, Vol. 24 (2005), pp. 81-87.
7.	R. Pavlović, I. Pavlović, Influence of rotatory inertia and transverse shear on stochastic instability of the cross-ply laminated beam, **International Journal of SOLIDS and STRUCTURES**, N_0 42 (2005), pp. 4913-4926.
8.	R. Pavlović, P. Kozić, P. Rajković, I. Pavlović, Dynamic stability of a thin-walled beam subjected to axial loads and end moments, **Journal of Sound and Vibration**, Vol. 301 (2007), pp. 690-700.
9.	P. Kozić, R. Pavlović, G. Janevski: Moment Lyapunov exponents of the stochastic parametrical Hill's equation. **International Journal of Solids and Structures**, **2008**, Vol. 45, pp. 6056-6066.
10.	R. Pavlovic, P. Kozić, S. Mitić, I. Pavlović: Stochastic stability of a rotating shaft. **Archive of Applied Mechanics**, **2009**, Vol. 79, pp. 1163-1171.
11.	P. Kozić, G. Janevski, R. Pavlović: Moment Lyapunov exponents and stochastic stability for two coupled oscillators. **Journal of Mechanics of Materials and Structures**, **2009**, Vol. 4, pp. 1689–1701.
12.	P. Kozić, G. Janevski , R. Pavlović,: Moment Lyapunov exponents and stochastic stability of a double-beam system under compressive axial loading. **International Journal of Solids and Structures**, **2010**, Vol. 47, pp. 1435-1442.
13.	A. Tylikowski, R. Pavlović, P. Kozić, Influence of transverse shear on stochastic instability of symmetric cross-ply laminated plates, **Probabilistic Engineering Mechanics,** Vol. 26, (2011), pp. 454-460.
14.	R. Pavlović, P. Kozić, I. Pavlović, Dynamic stability and instability of a double-beam system subjected to random forces, **International Journal of Mechanical Sciences**, Vol. 62 (2012), pp. 111-119.
15.	R. Pavlović, P. Kozić, S. Mitić, I. Pavlović, (2012) Influence of rotary inertia on dynamic stability of the viscoelastic symmetric cross-ply laminated plates. Mechanics Research Communications, Vol. 45, pp. 28-33.

16.	**I. Pavlović, R. Pavlović, P. Kozić,** G. Janevski**, (2013) Almost sure stochastic stability of a viscoelastic double-beam system**. Archive of Applied Mechanics, Vol. 83(11), pp. 1591-1605.
17.	D. Stokić, R. Pavlović: **Zbirka rešenih zadataka iz Mehanike II sa izvodima iz teorije [Collection of solved exercises in Mechanics II with excerpts from the theory]**, I izdanje 1991, II dopunjeno izdanje 1996. Izdavač: Univerzitet u Nišu
18.	R. Pavlović, **Mehanika I – Statika [Mechanics I – Statics]**, *Univerzitetski udžbenik*, Biblioteka ACADEMIA, Izdavač: Izdavačka jedinica Univerziteta u Nišu, Treće izdanje, s. 319, 2011.
19.	R. Pavlović, G. Janevski, **Mehanika II – Kinematika [Mechanics II – Kinematics]**, I izdanje, *Univerzitetski udžbenik*, Izdavačka jedinica Mašinskog fakulteta Nišu, s. 314, 2013.
20.	R. Pavlović: **Stabilnost kontinualnih sistema pod dejstvom slučajne pobude [Stability of continuous systems subjected to random excitation]**, Izdavač: Mašinski Fakultet u Niš, 2000.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	43 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	25		
Current participation in projects	**Domestic:** 1	**International:** 0	
Professional development: -			
Other information considered relevant: -			

First name, middle initial, surname			Miloš S. Milošević	
Rank			Associate professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1994	
Specialized scientific or artistic field			Mechatronics	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2012	Faculty of Mechanical Engineering in Niš		Mechatronics
Doctorate	2006	Faculty of Mechanical Engineering in Niš		Mechatronics
Specialization				
Magister Degree	1998	Faculty of Mechanical Engineering in Niš		Precision Engineering and Robotics
Dipl.-Ing. Degree	1993	Faculty of Mechanical Engineering in Niš		Control

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Engineering Graphics	Mechanical Engineering, undergraduate academic studies	0.80
2.	Mechatronics	Mechanical Engineering, undergraduate academic studies	0.25
3.	Mechanisms and Machines	Mechanical Engineering, undergraduate academic studies	0.28
4.	Design of Mechanisms	Mechanical Engineering, undergraduate academic studies	0.23
5.	Basics of Mechatronic Systems Modelling	Mechanical Engineering, undergraduate academic studies	0.75
6.	Manufacturing Technologies of Mechatronic Components	Mechanical Engineering, undergraduate academic studies	0.23
7.	Information Technologies 1	Engineering Management, undergraduate academic studies	0.25
8.	Modelling of Engineering Systems	Engineering Management, undergraduate academic studies	0.38
9.	Monitoring and Process Control	Engineering Management, undergraduate academic studies	0.75
10.	Engineering Management in Banking and Insurance	Engineering Management, undergraduate academic studies	0.58
11.	Micromechatronics	Mechatronics and Control, master academic studies	0.50
12.	Mechatronic Systems in Traffic and Transport	Mechatronics and Control, master academic studies; Traffic Engineering, Transport and Logistics, master academic studies	4.50
13.	Mechanisms in Mechatronics	Mechatronics and Control, master academic studies	0.50
14.	Guided Independent Research 1	Control and Applied Computing, master academic studies	0.17
15.	Guided Independent Research 2	Control and Applied Computing, master academic studies	0.33
16.	Applied Computing	Control and Applied Computing, master academic studies	0.50
17.	Selected Topics in Mechatronics and Systems Control	Mechanical Engineering, doctoral academic studies	0.58
18.	Micro- and Nanotechnologies	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1. *Petrović, T., Ivanov, I., Milošević, M.,* **A New Structure of Combined Gear Trains with High Transmission Ratios,** Forschung im Ingenieurwesen, ISSN 0015-7899, Springer-Verlag, Volume 73, Number 3, 2009, pp. 119-127.

2. *Stamenković, D., Milošević, M., Mijajlović, M., Banić, M.,* **Estimation of the Static Friction Coefficient for Press Fit Joints,** Journal of the Balkan Tribological Association, ISSN 1310-4772, Vol. 17, No 3, 2011, pp. 341–355.

3. *Stamenković, D., Milošević, M., Mijajlović, M., Banić, M.,* **Recommendations for the Estimation of the Strength of the Railway Wheel Set Press Fit Joint**, Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, ISSN: 0954-4097, Vol 226 Issue 1, 2012. pp. 48-61.

4. *Banić, M., Stamenković, D., Miltenović, V., Milošević, M., Miltenović, A., Đekić, P., Rackov, M.,* **Prediction of Heat Generation in Rubber or Rubber-Metal Springs**, Thermal Science, ISSN: 0354-9836, Vol. 16, Suppl. 2, 2012, pp. 593-606.

5. *Milošević, M., Stamenković, D., Milojević, A.,Tomić, M.,* **Modeling thermal effects in braking systems of railway vehicles**, Thermal Science, ISSN: 0354-9836, Vol. 16, Suppl. 2, 2012, pp. 515-526.

6. *Stamenković, D., Milošević, M.,* **XV International Scientific-Expert Conference On Railway,** Journal FACTA UNIVERSITATIS, Series Mechanical Engineering, ISSN 0354 – 2025, Vol. 10, No 2, 2012, pp. 181 - 183.

7. *Banić, M., Miltenović, V., Milošević, M., Miltenović, A., Jovanović, N.,* **Heat Generation Prediction in the Railway Draw Gear Rubber-Metal Spring,** Journal FACTA UNIVERSITATIS, Series Mechanical Engineering, ISSN 0354 – 2025, Vol. 10, No 2, 2012, pp. 171 – 180.

8. *Banić, M., Stamenković, D., Milošević, M., Miltenović, A.,* **Tribology Aspect of Rubber Shock Absorbers Development,** Tribology in Industry, Series Mechanical Engineering, ISSN 03548996, Vol. 35, No 3, 2013, pp. 242 – 248.

9.	*Pavlović, D. N., Petrović, T., Pavlović, T. N., Milošević, M., Jovanović, S., Đorđević, B., Jovanović, D.,* **Mehanizam koji omogućava automatizovano podešavanje položaja nogu pacijenta na bolničkom krevetu [The mechanism enabling automated adjusting of a patient's leg position on a hospital bed]**, MP-2011/0001, 2011.
10.	*Pavlović, N., Milošević, M.,* **Polužni mehanizmi [Linkage mechanisms]**, Mašinski fakultet u Nišu, Niš, 2012.

Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations		
Total number of papers on the SCI (SSCI) list	5	
Current participation in projects	**National:** 2	**International:** 1
Professional development: several times at the Faculty of Mechanical Engineering, Ilmenau University of Technology, Germany		
Other information considered relevant		

First name, middle initial, surname	Bratislav D. Blagojević
Rank	Full professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1976
Specialized scientific or artistic field	HVAC, Thermal and Process Engineering

Academic career	Year	Institution	Field
Election to the rank	1998	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	1986	Faculty of Mechanical Engineering in Niš	Boiling Heat Transfer
Specialization			
Magister Degree	1982	Faculty of Mechanical Engineering in Ljubljana	Energy and Process Engineering
Dipl.-Ing. Degree	1976	Faculty of Mechanical Engineering in Niš	Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Refrigeration	Mechanical Engineering, undergraduate academic studies	1.20
2.	Air Conditioning and Ventilation	Energy and Process Engineering, master academic studies	1.33
3.	Refrigerating Devices	Energy and Process Engineering, master academic studies	1.17
4.	Energy Management in Buildings	Engineering Management, master academic studies	0.19
5.	Transient Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
6.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
7.	Energy Efficiency in Industry, Buildings and Communal Systems	Mechanical Engineering, doctoral academic studies	0.04
8.	Selected Topics in Refrigeration Devices and Heat Pumps	Mechanical Engineering, doctoral academic studies	0.23
9.	Selected Topics in Air Conditioning	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	M. Stojiljković, B. Blagojević, G. Vučković, M. Ignjatović, D. Mitrović, **Optimization of Operation of Energy Supply Systems with Co-Generation and Absorption Refrigeration**, Thermal Science, (2012), vol. 16, pp. S409-S422.
2.	M. Ignjatović, B. Blagojević, B. Stojanović, M. Stojiljković, **Influence of Glazing Types and Ventilation Principles in Double Skin Facades on Delivered Heating and Cooling Energy During Heating Season in An Office Building**, Thermal Science, (2012), vol. 16, pp. S461-S469.
3.	D. Nikodijević, Ž. Stamenković, D. Milenković, B. Blagojević, J. Nikodijević, **Flow and Heat Transfer of Two Immiscible Fluids in the Presence of Uniform Inclined Magnetic Field**, MATHEMATICAL PROBLEMS IN ENGINEERING, (2011), vol 2011, ID 132302, doi:10.1155/2011/132302.
4.	Ž. Stamenković, D. Nikodijević, B. Blagojević, S. Savić, **MHD Flow and Heat Transfer of Two Immiscible Fluids Between Moving Plates**, TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING, (2010), vol. 34 No. 3-4, pp. 351-372.
5.	M. Stojiljković, M. Stojiljković, B. Blagojević, **Mathematical Modeling and Optimization of Tri-generation Systems with Reciprocating Engines**, Thermal Science, (2010), vol. 14 No. 2, pp. 541-553.
6.	M. Stojiljković, M. Stojiljković, B. Blagojević, G. Vučković, M. Ignjatović, **Effects of Implementation of Co-generation in the District Heating System of the Faculty of Mechanical Engineering in Niš**, Thermal Science, (2010), vol. 14 No. , pp. S41-S51
7.	B. Blagojević, G. Minčić, J. Đorđević, **Control and method for approximate determination of heat exchanger capacity**, SCIENTIFIC AND PROFESSIONAL JPURNAL FOR AIR CONDITIONING, HEATING AND REFRIGERATION-KGH, Vol.26, No4, pp. 41-44, Beograd,1997.
8.	B. Blagojević, M. Novaković, G. Ilić, **Pool boiling heat transfer from composite solid wall**, Proc. 9th International heat transfer Conference, Vol. IV, pp. 307-310, Jerusalem, 1990.
9.	M. Đorđević, B. Blagojević, **Flow water air cooling in a single-row spray chamber**, Proc. II World Congress on HVAC and R.,CLIMA 2000, Vol. V, pp. 35-40, Sarajevo 1989.
10.	B. Blagojević, M. Novaković, **Boiling heat transfer of refrigerant 113 from composite surface**, Proc. of 16th International Congress of refrigeration, Vol. III, pp. 658-663, Paris, 1983.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	9		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 1	**International:**	

Professional development:

Institute for nuclear sciences Demokritos Athens, Greece 1983. (2 months). Institute of Heat Engineering Warsaw, Poland, 1987. (3 months)

Other information considered relevant:

Member of the editorial board of journal KGH, SMEITS Belgrade. IIR member since 1976; ASHRAE member since 1997.

First name, middle initial, surname			Velimir P. Stefanović	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1986	
Specialized scientific or artistic field			Energy and Process Engineering	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2011	Faculty of Mechanical Engineering in Niš		Heat and Mass Transfer
Doctorate	2000	Faculty of Mechanical Engineering in Niš		Heat and Mass Transfer
Specialization				
Magister Degree	1992	Faculty of Mechanical Engineering in Niš		Heat and Mass Transfer
Dipl.-Ing. Degree	1986	Faculty of Mechanical Engineering in Niš		Energy and Process Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Mechanical and Hydromechanical Operations	Mechanical Engineering, undergraduate academic studies	0.83
2.	Heating	Mechanical Engineering, undergraduate academic studies	0.75
3.	Gas Engineering	Mechanical Engineering, undergraduate academic studies	0.30
4.	District Heating	Energy and Process Engineering, master academic studies	1.17
5.	Energy Management in Housing Stock	Energy and Process Engineering, master academic studies	0.19
6.	Advanced Course in Purification Techniques	Mechanical Engineering, doctoral academic studies	0.09
7.	Selected Topics in District Heating	Mechanical Engineering, doctoral academic studies	0.36
8.	Transient Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
9.	Renewable Energy Sources	Mechanical Engineering, doctoral academic studies	0.07
10.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
11.	Selected Topics in Combined Heat and Power Production	Mechanical Engineering, doctoral academic studies	0.08
12.	Energy Efficiency in Industry, Buildings and Communal Systems	Mechanical Engineering, doctoral academic studies	0.04
13.	Thermal Comfort	Mechanical Engineering, doctoral academic studies	0.06
14.	Selected Topics in Mechanical and Hydromechanical Operations	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1. Stefanović V. **Grejanje, toplifikacija i snabdevanje gasom [Heating, district heating, and gas supply]**, Mašinski fakultet u Nišu, 2011.

2. Stefanović. V., Pavlović S., Ilić M., Apostolović N., **Numerical Simulation Of Concentrating Solar Collector P2CC With A Small Concentration Ratio,** Thermal Science, 2012, Vol. 16, Suppl. 2, ISSN 0354-9836, 2012.

3. Ilić M., Stefanović V., Ilić G., Pavlović S., Kuštrimović D, **Numerical Simulation of Wall Temperature on Gas Pipeline due to Radiation of Natural Gas During Combustion**, Thermal Science, 2012, Vol. 16, Suppl. 2, ISSN 0354-9836, pp. 567-576.

4. M. S. Laković, D. Mitrović, V. Stefanović, M. Stojiljković (2012): **Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions**, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 34:23, 2164-2177

5. M. S. Laković, M. S. Stojiljković, S. V. Laković, V. Stefanović, D. Mitrović, **Impact of the cold-end operating conditions on energy efficiency of the steam power plants**, Thermal Science, 2010., DOI: 10.2298/TSCI100415066L

6. V. Stefanovic, S. Pavlović, N. Apostolović, I. Nikolić, Z. Djordjević, D. Ćatić, **A Prototype of Solar Receiver for Middle Temperature Conversion of Solar Radiation to Heat**, Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy [PIA], . 225, 8, DOI: 10.1177/0957650911416566 (2011).

7. Stefanović V., Bojić M., **Development and Investigation of Solar Collectors for Conversion of Solar Radiation Into Heat and/or Electricity**, Thermal Science, UDC 662.997Č697.3/.7, BIBLID: 0354-9836, 10 (2008), Suppl. 4, 177-187.

8. Bojić M., Stefanović V., Design of a stationery asymmetric solar concentrator for heat and electricity production, **Asia PES 2008**, code 606-188, Langkavi, Malaysia, April 2008.

9. Stefanović V., Pavlović S., Apostolović N., Bojić M.: **Mathematical Model And Numerical Simulation Of Parabolic Solar Collector,** 2nd International Conference on Building Energy and Environment, - COBEE 2012, (ISBN 978-0-981-6881-9-0; 0-981-6881-9-5), Boulder ,August 1-4, 2012, Colorado, USA, pp. 273-280

10. Stefanović V., Stojanović A., Pavlović S., Luković A., Janković Ž.: **Contribution Of Biomass To The**

	Sustainable Energy Development in Serbia, III Savjetovanje o Energetici u BiH sa međunarodnim učešćem", na temu " Energetska efikasnost i obnovljivi izvori", (ISSN 978-86-6055-018-9), Neum, 28.-30.09.2011., Bosna i Hercegovina, pp. 308-318		
Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	5		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 2	**International:**	1
Professional development:			
Other information considered relevant			

First name, middle initial, surname	Gradimir S. Ilić		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1972		
Specialized scientific or artistic field	Energy and Process Engineering		
Academic career	*Year*	*Institution*	*Field*
Election to the rank	1996	Faculty of Mechanical Engineering in Niš	Heat and Mass Transfer
Doctorate	1984	Faculty of Mechanical Engineering in Niš	Turbulent Convective Heat and Mass Transfer
Specialization			
Magister Degree	1980	Faculty of Mechanical Engineering in Niš	Turbulent Convective Heat and Mass Transfer
Dipl.-Ing. Degree	1971	Faculty of Mechanical Engineering in Niš	General Engineering – Thermal Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Thermal Measurements	Mechanical Engineering, undergraduate academic studies	1.50
2.	Heat and Mass Transfer	Energy and Process Engineering, master academic studies	0.38
3.	Numerical Simulations in Energy and Process Engineering	Energy and Process Engineering, master academic studies	0.25
4.	Measurement, Monitoring, and Control Systems	Engineering Management, master academic studies	1.00
5.	Numerical Methods	Mechanical Engineering, doctoral academic studies	0.17
6.	Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.19
7.	Energy and Exergy Analysis in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.18
8.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
9.	Thermal Comfort	Mechanical Engineering, doctoral academic studies	0.06

Representative references

1.	Ilić Marko N, Stefanović Velimir P., Ilić Gradimir S., Pavlović Saša R., Kuštrimović Dragan D, **Numerical Simulation of Wall Temperature on Gas Pipeline due to Radiation of Natural Gas During Combustion**, Thermal Science, 2012, Vol. 16, Suppl. 2, ISSN 0354-9836, pp. 567-576.
2.	Predrag M. Živković, Vlastimir D. Nikolić, Gradimir S. Ilić, Žarko M. Ćojbašić, Ivan T. Ćirić, **Hybrid soft computing control strategies for improving the energy capture of a wind farm,** Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S483-S491, DOI:10.2298/TSCI120503185Z, ISSN 0354-9836, UDC: 621.
3.	Predrag M. Živković, Mladen A. Tomić, Gradimir S. Ilić, Mića V. Vukić, Žana Ž. Stevanović, **Specific approach for continuous air quality monitoring**, Chemical Industry 66 (1) 2012, UDC 502.3.681.5.08, pp 85-93, doi:10.2298/hemind110525066z, 2012.
4.	Ilic Marko N, Ilic Gradimir S, Stefanovic Velimir P, Pavlovic Sasa R, Bojic Milorad Lj., **High pressure gas pipeline under the influence of radiation,** PROCEEDINGS OF THE SIXTH GLOBAL CONFERENCE ON POWER CONTROL AND OPTIMIZATION, LAS VEGAS, (2012), vol. 1499, pp. 139-144
5.	M. M. Stojiljković, B. V. Stojanović, J. N. Janevski, G. S. Ilić, **Mathematical Model of Unsteady Gas to Solid Particles Heat Transfer in Fluidized Bed**, Thermal Science, Vol. 13 (2009), No. 1, pp. 55-68.
6.	M. Vukić, M. Tomić, P. Živković, G. Ilić, **Effect of segmental baffles on the shell-and-tube heat exchanger effectiveness**, Ch. Ind. J., accepted for publishing, DOI:10.2298/HEMIND130127041V.
7.	Vučković G, Ilić G, Vukić M, Stojiljković M: **CONVENTIONAL AND ADVANCED EXERGETIC ANALYSIS APPLIED TO AN INDUSTRIAL PLANT**, 15th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Proceedings, ISBN 978-86-6055-018-9, pp. 856-866, Serbia, 2011.
8.	Raskovic Predrag O Ilic Gradimir S Stoiljkovic Sreten, **Exergetic evaluation of CHP plant by the use of spread sheet software tool,** ECOS 2006: Proceedings of the 19th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Vols 1-3, (2006), pp. 1193-1200.
9.	Blagojević B., Novaković M., Ilić G., Pool boiling heat transfer from composite solid wall, Proceedings of the **9th International Heat Transfer Conference**, Vol. 4, pp. 307-310, Jerusalem, 1990.
10.	Ilić G., Voronjec D., Oka S., Development of the turbulent confined jet, **ZAMM**, T223-T227, (66), 1986.
11.	Ilić G., Radojković N., Stojanović I., **Termodinamika II**, *knjiga*, [**Thermodynamics II**, book], ISBN 86-80587-07-9, Nova Jugoslavija, Vranje, 1996.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	9
Total number of papers on the SCI (SSCI) list	6

Current participation in projects	Domestic:	2	International:	1
Professional development:				
Other information considered relevant:				

First name, middle initial, surname			Dragoljub S. Živković	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1989	
Specialized scientific or artistic field			Energy and process engineering	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2003	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	1993	Faculty of Mechanical Engineering in Belgrade		Theoretical and Applied Processes of Heat and Mass Transfer
Specialization				
Magister Degree	1985	Faculty of Mechanical Engineering in Belgrade		Thermal Engineering
Dipl.-Ing. Degree	1980	Faculty of Mechanical Engineering in Belgrade		Thermal Engineering
List of courses taught by the professor at all levels of studies				
	Course name		*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Pipe Lines		Mechanical Engineering, undergraduate academic studies	0.25
2.				

9.	Jovanovic G., Zivkovic D., Mancic M., Stankovic V., Stankovic D. et al., **A MODEL OF A SERBIAN ENERGY EFFICIENT HOUSE FOR DECENTRALIZED ELECTRICITY PRODUCTION**, Journal of Renewable and Sustainable Energy (jrse.aip.org), American Institute of Physics, Citation: J. Renewable Sustainable Energy 5, 041810 (2013); doi: 10.1063/1.4812997
10.	Todorović M., Živković D., Mančić M., Ilić G., **APPLICATION OF ENERGY AND EXERGY ANALYSIS TO INCRESE EFFICIENCY OF A HOT WATER GAS FIRED BOILER**, Chemical Industry & Chemical Engineering Quarterly, CI&CEQ, 2013. DOI:10.2298/CICEQ130716033T

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	10 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 2	**International:**	2

Professional development:

Specializaton in the field of analysis of multi-phase flows and transient processes in thermal- energy plants, Mechanical engineering faculty, Technical University in Prague, Czech Republic, (6 months), 1986.

Other information considered relevant

Member of the editorial board of the " TEHNIKA – Mašinstvo" Journal from 2004.

First name, middle initial, surname	Mladen M. Stojiljković		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1975		
Specialized scientific or artistic field	Energy and process engineering		

Academic career	Year	Institution	Field
Election to the rank	2006	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	1994	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	1982	Faculty of Mechanical Engineering in Belgrade	Process Engineering
Dipl.-Ing. Degree	1975	Faculty of Mechanical Engineering in Niš	Machine Construction

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Thermal Plants	Mechanical Engineering, undergraduate academic studies	1.07
2.	Industrial Furnaces	Mechanical Engineering, undergraduate academic studies	0.68
3.	Dryers	Mechanical Engineering, undergraduate academic studies	0.38
4.	Purification Techniques	Energy and Process Engineering, master academic studies	1.00
5.	Energy Management in Industry	Engineering Management, master academic studies	0.38
6.	Energy Management in Buildings	Engineering Management, master academic studies	0.19
7.	Advanced Course in Purification Techniques	Mechanical Engineering, doctoral academic studies	0.09
8.	Heat and Mass Transfer in Fluidized Systems	Mechanical Engineering, doctoral academic studies	0.12
9.	Modelling in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
10.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
11.	Selected Topics in Combined Heat and Power Production	Mechanical Engineering, doctoral academic studies	0.08
12.	Energy Efficiency in Industry, Buildings and Communal Systems	Mechanical Engineering, doctoral academic studies	0.04
13.	Thermal Comfort	Mechanical Engineering, doctoral academic studies	0.06
14.	Selected Topics in Theory of Drying	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1. Biljana Vučićević, Mladen Stojiljković, Naim Afgan, Valentina Turanjanina, Marina Jovanović, Vukman Bakić, **Sustainability assessment of residential buildings by non-linear normalization procedure**, ENERGY AND BUILDINGS, (2013), vol. 58 br. , str. 348-354.

2. Marko G. Ignjatović, Bratislav D. Blagojević, Branislav V. Stojanović, Mladen M. Stojiljković, **Influence of Glazing Types and Ventilation Principles in Double Skin Façades on Delivered Heating and Cooling Energy During Heating Season in an Office Building**, Thermal Science, (2012), Vol. 16, Suppl. 2, pp. S461-S469.

3. B. Anđelković, B. Stojanović, M. Stojiljković, J. Janevski, M. Stojanović, **Thermal Mass Impact on Energy Performance of a Low, Medium and Heavy Mass Building in Belgrade**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S447-S459.

4. M. S. Laković, D. Mitrović ,V. Stefanović, M. Stojiljković, **Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions**, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (2012), Volume 34, Issue 23, pp. 2164-2177.

5. Mirjana S. Laković, Mladen M. Stojiljković, Slobodan Laković, Velimir Stefanović, Dejan Mitrović, **Impact of the Cold-end Operating Conditions on Energy Efficiency of the Steam Power Plants**, Thermal Science, (2010), Vol. 14, Supp l., pp. S53-S66.

6. M. M. Stojiljkovic, M. M. Stojiljkovic, B. D. Blagojevic, G. D. Vučkovic, M. G. Ignjatovic, **Effects of Implementation of Co-generation in the District Heating System of the Faculty of Mechanical Engineering in Niš**, Thermal Science, (2010), Vol. 14, Supp l., pp. S41-S51.

7. M. M. Stojiljković, M. M. Stojiljković, B. D. Blagojević, **Mathematical Modeling and Optimization of Tri-Generation Systems with Reciprocating Engines**, Thermal Science, (2010), Vol. 14, No. 2, pp. 541-553.

8. Branislav Stojanović, Jelena Janevski, Mladen Stojiljković, **Experimental investigation of thermal conductivity coefficient and heat exchange between fluidized bed and inclined exchange surface**, Brazilian

	Journal of Chemical Engineering, Vol. 26, No2, pp. 343–352, April–June, 2009.
9.	Mladen M. Stojiljković, Branislav V. Stojanović, Jelena N. Janevski, Gradimir S. Ilić, **Mathematical Model of Unsteady Gas to Solid Particles Heat Transfer in Fluidized Bed,** THERMAL SCIENCE, Vol. 13 (2009), No. 1, pp. 55-68.
10.	S. Laković, M. Stojiljković, M. Laković, **ZBIRKA ZADATAKA IZ TOPLOTNIH POSTROJENJA – RAZMENJIVAČI TOPLOTE, [Solved Examples in Thermal Plants – Heat Exchangers]**, Univerzitet u Nišu, Mašinski fakultet u Nišu, ISBN: 978-86-6055-030-1, Tirž 100 komada, Štamparija "Unigraf-X-copy", Vojvode Putnika 20, Niš, 115 str., 2012.
11.	Slobodan Laković, Mladen Stojiljković, Mirjana Laković, **ZBIRKA ZADATAKA IZ TOPLOTNIH POSTROJENJA – VLAŽNI RASHLADNI TORNJEVI -**, **[Solved Examples in Thermal Plants – Wet Cooling Towers],** Univerzitet u Nišu, Mašinski fakultet u Nišu, ISBN: 978-86-6055-030-1, Tirž 100 komada, Štamparija "Unigraf-X-copy", Vojvode Putnika 20, Niš, 59 str., 2012.
12.	Slobodan Laković, Mladen Stojiljković, Mirjana Laković, **ZBIRKA ZADATAKA IZ TOPLOTNIH POSTROJENJA – CENTRALNO GREJANJE (VODENO I VAZDUŠNO)**, **[Solved Examples in Thermal Plants – Central Heating (Water and Air Heating)],** Univerzitet u Nišu, Mašinski fakultet u Nišu, ISBN: 978-86-6055-030-1, Tirž 100 komada, Štamparija "Unigraf-X-copy", Vojvode Putnika 20, Niš, 132 str., 2012.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	8	
Total number of papers on the SCI (SSCI) list	9	
Current participation in projects	**Domestic:** 1	**International:**
Professional development:		
Other information considered relevant:		

First name, middle initial, surname			Branislav V. Stojanović	
Rank			Associate professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1990	
Specialized scientific or artistic field			Thermal Engineering, Thermal Energy and Process Engineering	
Academic career	Year	Institution		Field
Election to the rank	2009	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	1998	Faculty of Mechanical Engineering in Niš		Theoretical and Applied Processes of Heat and Mass Transfer
Specialization				
Magister Degree	1992	Faculty of Mechanical Engineering in Niš		Thermal Engineering
Dipl.-Ing. Degree	1977	Faculty of Mechanical Engineering in Niš		Energy Engineering

List of courses taught by the professor at all levels of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Renewable Energy Sources	Mechanical Engineering, undergraduate academic studies	0.28
2.	Boilers	Mechanical Engineering, undergraduate academic studies	0.68
3.	Energy Efficiency and Ecology	Energy and Process Engineering, master academic studies	0.75
4.	Renewable Energy Sources	Engineering Management, master academic studies	0.33
5.	Energy Management in Buildings	Engineering Management, master academic studies	0.19
6.	Transient Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
7.	Heat and Mass Transfer in Fluidized Systems	Mechanical Engineering, doctoral academic studies	0.12
8.	Renewable Energy Sources	Mechanical Engineering, doctoral academic studies	0.07
9.	Modelling in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
10.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
11.	Energy Efficiency in Industry, Buildings and Communal Systems	Mechanical Engineering, doctoral academic studies	0.04
12.	Selected Topics in Steam Boilers	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1.	J. Janevski, B. Stojanović, M. Laković, M. Stojiljković, D. Mitrović, **Wood biomass in Serbia resources and possibilities of using**, Energy Sources Part B: Economics, Planning and Policy, the paper accepted on 29. 03. 2013, In press.
2.	M. Ignjatović, B. Blagojević, B. Stojanović, M. Stojiljković, **Influence of Glazing Types and Ventilation Principles in Double Skin Façades on Delivered Heating and Cooling Energy During Heating Season in an Office Building**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S461-S469, DOI:10.2298/TSCI120427183I, ISSN0354-9836, UDC:621.
3.	B. Anđelković, B. Stojanović, M. Stojiljković, J. Janevski, M. Stojanović, **Thermal Mass Impact on Energy Performance of a Low, Medium and Heavy Mass Building in Belgrade**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S447-S459, DOI:10.2298/TSCI120409182A, ISSN0354-9836, UDC:621.
4.	M. Stojiljković, B. Stojanović, J. Janevski, G. Ilić, **Mathematical Model of Unsteady Gas to Solid Particles Heat Transfer in Fluidized Bed**, Thermal Science. Paper will be printed in the issue No. 1, Vol. 13, 2009.
5.	B. Stojanović, J. Janevski, M. Stojiljković, **Experimental investigation of thermal conductivity coefficient and heat exchange between fluidized bed and inclined exchange surface**, Brazilian Journal of Chemical Engineering, vol. 26, number 2, April-June 2009.
6.	B. Stojanović, J. Janevski, M. Stojiljković, **The influence of particles size on heat exchange between fluidized bed and inclined exchange surfaces in bioreactors**, International conference on Intensifying proceedings of biomaterial processing, Sinaia, Romania, 20th-23rd August, 2007.
7.	B. Stojanović, J. Janevski, M. Stojiljković, D. Mitrović, **Radni parametri ložišta za sagorevanje peleta [The operating parameters of chamber for the pellets combustion]**, Jugoslovenski naučno-stručni časopis, Procesna tehnika, br.2-3, god.20., s.153÷155, Beograd, 2004.
8.	B. Stojanović, M. Protić, B. Blagojević, J. Janevski, M. Ignjatović: **Primena MATLAB okruženja za termički proračun toplovodnog kotla za sagorevanje drvenih peleta [Application of MATLAB environment for thermal analysis of hot water boiler for wood pellets combustion]**, 12. Simpozijum termičara SCG, Sokobanja 18-21. 10. 2005
9.	B. Stojanović, J. Janevski, M. Stojiljković, D. Mitrović, **Rezultati ispitivanja kotla za sagorevanje peleta [The**

	results of investigation the boiler for pellets combustion], Industrijska Energetika 2004, naučno – stručni skup u organizaciji Društva termičara SiCG, D. Milanovac, hotel Lepenski vir, 28.09.÷01.10. 2004.
10.	J. Janevski, B. Stojanović, M. Stojiljković, **Determination of thermal diffusivity coefficients by gas fluidized bed**, 4th Symposium of South-East European Countries on Fluidized Beds in Energy production, April 3-4, Thessalonica, 2003.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	1		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1		**International:**
Professional development:			
Other information considered relevant:			

First name, middle initial, surname	Gordana M. Stefanović		
Rank	Associate professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1988		
Specialized scientific or artistic field	Thermal and Process Engineering		
Academic career	***Year***	***Institution***	***Field***
Election to the rank	2013	Faculty of Mechanical Engineering in Niš	Thermal and Process Engineering
Doctorate	2007	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	1995	Faculty of Mechanical Engineering in Niš	Process Engineering
Dipl.-Ing. Degree	1984	Faculty of Technology and Metallurgy, University of Belgrade	Environmental Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Engineering Materials	Mechanical Engineering, undergraduate academic studies	1.67
2.	Basic of Process Engineering	Mechanical Engineering, undergraduate academic studies	1.11
3.	Environmental Protection and Sustainable Development	Mechanical Engineering, undergraduate academic studies	0.75
4.	Wastewater Treatment	Mechanical Engineering, undergraduate academic studies	0.45
5.	Systems of Environmental Management	Engineering Management, undergraduate academic studies	0.50
6.	Solid Waste Management	Energy and Process Engineering, master academic studies	0.67
7.	Management in Ecology	Engineering Management, master academic studies	0.25
8.	Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.34
9.	Advanced Course in Purification Techniques	Mechanical Engineering, doctoral academic studies	0.09
10.	Processes and Equipment in Environmental Engineering	Mechanical Engineering, doctoral academic studies	0.36
11.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
12.	Selected Topics in Theory of Sustainable Development	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	Stefanović G., Sekulić Ž, Ćojbašić Lj., Jovanović V., **Hydration of mechanically activated mixtures of Portland cement and Fly Ash**, CERAMICS-SILIKATY (2008), 51(3) 160-167.
2.	Stefanović G., Ćojbašić Lj., Sekulić Ž., Andrić Lj., **Mogucnosti veće upotrebe LP sa teritorije Republike Srbije u cementnoj industriji [Possibility of increased use of fly ash in cement industry on the territory of Serbia]**, Reciklaža i održivi razvoj [Recycling and sustainable development], Vol 1, N° 1, str 20-26 (2008).
3.	Ljubica R. Ćojbačić, Gordana M. Stefanović, Mirko M. Stojiljković, **Zbirka zadataka iz Tehničkih materijala-pogonske materije [**Practical Exercises in Technical materials-Fuel, Lubricant and Industrial Water**]**, Univerzitet u Nišu, Mašinski fakultet u Nišu, 2011, ISBN 978-86-6055-011-0
4.	Tomic, Mladen A.; Perkovic, LB (Perkovic, Luka B.); Zivkovic, PM (Zivkovic, Predrag M.); Duic, NZ, (Duic, Neven Z.); Stefanovic, GM (Stefanovic, Gordana M.) **Closed vessel combustion modelling by using pressure-time evolution function derived from two-zonal approach**, **Thermal Science** 16 **(**2): 561-572 **(**2012)
5.	Stefanović G., Ćojbašić Lj., Sekulić Ž, Matijašević S., **Hydration study of the mechanically activated mixtures of Portland cement and fly ash**, **J. Serb. Che. Soc.** (2007) 72 (6) 591-604.
6.	Hrvoje Mikulčić, Milan Vujanović, Dimitris K. Fidarosb, Peter Prieschingc, Ivica Minić, Reinhard Tatschlc, Neven Duić, Gordana Stefanović, **The application of CFD modelling to support the reduction of CO2 emissions in cement industry**, **Energy**, Volume 45, Issue 1: 464-473 (2012)
7.	Gordana M. Stefanović, Goran Vučković, Mirko Stojiljković, Milan B. Trifunović, **CO2 reduction options in cement industry -the Novi Popovac case**, **Thermal Science**, 14(3): 671-679, 2010.
8.	Stefanovic, GM; Trajanovic, MD; Duic, NZ; Ferk, MM, **Pollution data tracking in the western Balkan countries: a state-of-the-art review**, **Thermal Science**, 12(4): 105-112, 2008.
9.	Gordana Stefanović, Biljana Milutinović, **Assessment of Waste Management Sustainability by Using Multi-Criteria Analysis,** International Science Conference "Reporting For Sustainability" **2013, Bečići, Montenegro, str.** (Rad po pozivu)
10.	**B. Milutinović**, G. Stefanović, M. Dassisti, D. Marković, G. Vučković, Multi-criteria analysis as a tool for sustainability assessment of a waste management model, The 26th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Guilin, China 2013.
11.	MILUTINOVIĆ B, STEFANOVIĆ G, DASSISTI M, MARKOVIĆD D, VUCKOVĆE G, **2013,** Multi-Criteria

	Analysis As A Tool For Sustainability Assessment Of A Waste Management Model; Proceedings of 6th Int. Conference on Sustainable Energy and Environmental Protection (SEEP2013), 20-23 August, Maribor, Slovenia. Ed. J Krope, AG Olabi, D Goricanec. Publisher. Univ. of Maribor – Faculty of Chemistry and Chemical Engineering, Smetanova Ulica 17. 2000 Maribor (SLO). ISBN: 978-961-248-379-1. Pg.578-587.
12.	**Stefanović Gordana**, Marković Dušan, Marković Danijel, Tomić Mladen, Milošević Olivera, Optimization of Municipal Solid Waste Transport in the City of Niš - Environmental Benefits, 6th Dubrovnik Conference on Sustainable development on energy, water and environment systems, September 25th -29th 2011, Dubrovnik, Croatia
13.	**Stefanović Gordana**, Marković Dušan, "Life cycle assessment of municipal solid waste management: case study of Niš, Serbia", The 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Systems, pp 3930-3937, Novi Sad, Serbia 4-7 July 2011, ISBN 978-86-6055-015-8
14.	**G. Stefanovic,** G. Vuckovic, M. Stojiljkovic, M. Trifunovic: Possibility of CO2 emissions decreasing in cement industry, 5. Dubrovnik Conference on Sustainable development of Energy, Water and environment systems, CD Proceedings, pp. 199, Dubrovnik, 2009, ISBN 978-953-6313-98-3**.**
15.	**Gordana Stefanovic**, Noam Lior, An energy and exergy analysis of fly ash use in cement and concrete production, 22nd International Conference on Efficiency, Cost, Optimization Simulation and Environmental Impact of Energy Systems (ECOS), 2009, Foz do Iguaçu, Paraná, Brazil, ISSN 2175-5426.

Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations	15(www.scopus.com)	
Total number of papers on the SCI (SSCI) list	6	
Current participation in projects	**Domestic:** 1	**International:**
Professional development:		
Other information considered relevant:		

First name, middle initial, surname	Mića V. Vukić		
Rank	Associate professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1990		
Specialized scientific or artistic field	Thermal and Process Engineering		

Academic career	Year	Institution	Field
Election to the rank	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	2004	Faculty of Mechanical Engineering in Niš	Thermal and Process Engineering
Specialization			
Magister Degree	1996	Faculty of Mechanical Engineering in Niš	Process Engineering
Dipl.-Ing. Degree	1990	Faculty of Mechanical Engineering in Niš	Process Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Thermodynamics	Mechanical Engineering, undergraduate academic studies	3.00
2.	Applied Thermodynamics and Fluid Mechanics	Mechanical Engineering, undergraduate academic studies	0.38
3.	Thermodynamics of Internal Combustion Engines	Mechanical Engineering, undergraduate academic studies	0.83
4.	Diffusion Operations and Apparatuses	Mechanical Engineering, undergraduate academic studies	0.42
5.	Engineering Physics	Engineering Management, undergraduate academic studies	0.38
6.	Modern Engineering Systems	Engineering Management, undergraduate academic studies	0.38
7.	Energy Engineering	Engineering Management, undergraduate academic studies	0.30
8.	Heat and Mass Transfer	Energy and Process Engineering, master academic studies	0.38
9.	Numerical Simulations in Energy and Process Engineering	Energy and Process Engineering, master academic studies	0.25
10.	Numerical Methods	Mechanical Engineering, doctoral academic studies	0.17
11.	Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.19
12.	Modelling in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.09
13.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
14.	Numerical Simulations of Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.06

Representative references

1.	Vukić M, Tomić M, Živković P, Ilić G, **Effect of Segmental Baffles on the Shell-and-Tube Heat Exchanger Effectiveness**, Chemical Industry, 2013, DOI:10.2298/HEMIND130127041V (accepted for publishing).
2.	Vučković G, Vukić M, Stojiljković M, Vučković D, **Avoidable and unavoidable exergy destruction and exergoeconomic evaluation of the thermal processes in a real industrial plant**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S433-S446, DOI:10.2298/TSCI120503181V, ISSN 0354-9836, UDC: 621.
3.	Živković P, Tomić M, Ilić G, Vukić M, Stevanović Ž, **Specific approach for continuous air quality monitoring,** Chemical Industry, 66 (1) 2012, UDC 502.3.681.5.08, pp 85-93, DOI:10.2298/hemind110525066z.
4.	Milčić D, Mijajlović M, Pavlović N, Vukić M, Mančić D, **Temperature based validation of the analytical model for the estimation of the amount of heat generated during friction stir welding**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S337-S350, DOI:10.2298/TSCI120209173M, ISSN 0354-9836, UDC: 621.
5.	Rašković P, Vučković G, Vukić M, **Improving Eco-Sustainable Characteristics and Energy Efficiency of Evaporative Fluid Cooler via Experimental and Numerical Study**, Thermal Science, Vol. 12 (2008), No. 4, pp. 89-103.
6.	Živković P, Tomić M, Ilić G, Vukić M, Stevanović Ž, Đekić P, Minić I, **Local Traffic Intensity Influence on Air Quality in Niš**, The 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, ECOS 2011, Novi Sad, Serbia, pp 2230-2238, Book of proceedings: ISBN 978-86-6055-016-5, 2011.
7.	Vukić M, Živković P, **Phoenics Code Applied for Solving Heat transfer Problems - Part II**, The Sec. Ann. Int. Course: Numerical Heat Transfer, ISBN 978 86-6055-006-6, pp. 249-257, Kopaonik, Serbia, 2010.
8.	Vučković G, Vukić M, Ilić G, Banić M, **CFD Simulation of Entropy Generation in Pipe for Steam Transport in Real Industrial Plant**, The 6th International Conference on Sustainable Development of Energy, Water and Environmental Systems, SDEWES2011, Book of Abstracts, ISBN 978-953-7738-12-9, pp. 291-292, Dubrovnik, 25-29.09.2011, Croatia, 2011.
9.	Vučković G, Ilić G, Vukić M, Stojiljković M M, **Conventional and Advanced Exergetic Analyses Applied to an Industrial Plant**, 15th Symposium on Thermal Science and Engineering of Serbia, SIMTERM 2011, Sokobanja, Serbia, Proceedings on CD: pp. 856 - 865, ISBN 978-86-6055-018-9, 2011.

10.	Tomić M, Živković P, Vukić M, Dobrnjac M, Ilić G, **Matrix Heat Exchangers and their Application**, Proceedings: 11th International Conference on Accomplishments in Electrical Mechanical Engineering and Information Technology, 30th May - 1st June 2013., University of Banja Luka, Faculty of Mechanical Engineering, ISBN 978-99938-39-46-0, COBISS.BH-ID 3729176, pp. 693-702.
11.	Vukić M, Ilić G, Živković P, Vučković G, Stojanović I, **Effect of Baffles on Heat Transfer Intensity in Shell and Tube Heat Exchanger**, The International Conference Mechanical Engineering in XXI Century, November 25-26 2010, Niš, Proceedings ISBN 978-86-6055-008-0, pp. 71-74, Niš, Serbia, 2010.
12.	Stojanović B, Janevski J, Ignjatović M, Stojiljković M, Mitrović D, Vukić M, **Eksperimentalno ispitivanje karakteristika rekuperatora toplote vazduh-vazduh [Experimental study of properties of heat recuperator air-to-air]**, TERMOTEHNIKA, XXXVI, (2010), br. 1, s.103-108.
13.	Radojković N, Ilić G, Vukić M, **Zbirka zadataka iz termodinamike [Solved Examples in Thermodynamics]**, Mašinski fakultet, Niš, 2007.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	1		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 2	**International:**	1

Professional development:
DAAD scholar (2001-2006) of the International Project (Nirnberg-Erlangen, Sofia, Niš): Development and Application of Numerical Methods for Calculation and Optimization of Pollutant Reduced Industrial Furnaces and Efficient Heat Exchangers

Other information considered relevant

First name, middle initial, surname	Dejan M. Mitrović		
Rank	Assistant professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1994		
Specialized scientific or artistic field	Thermal and Process Engineering		
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2011	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	2002	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Dipl.-Ing. Degree	1994	Faculty of Mechanical Engineering in Niš	Thermal and Process Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Pipe lines	Mechanical Engineering, undergraduate academic studies	0.41
2.	Boilers	Mechanical Engineering, undergraduate academic studies	0.23
3.	Thermal Turbomachinery	Mechanical Engineering, undergraduate academic studies	0.31
4.	Thermal Energy Plants	Mechanical Engineering, undergraduate academic studies	0.19
5.	Energy Management	Engineering Management, undergraduate academic studies	0.45
6.	Practical Training B	Engineering Management, undergraduate academic studies	0.00
7.	Energy Efficiency and Ecology	Energy and Process Engineering, master academic studies	0.75
8.	Cogeneration	Energy and Process Engineering, master academic studies	1.67
9.	Modern Energy Technology	Engineering Management, master academic studies	0.33
10.	Energy and Exergy Analysis in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.18
11.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
12.	Selected Topics in Thermal Energy Plants	Mechanical Engineering, doctoral academic studies	0.08
13.	Selected Topics in Combined Heat and Power Production	Mechanical Engineering, doctoral academic studies	0.08
14.	Optimization of Processes and Plants in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
15.	Energy Efficiency in Industry, Buildings and Communal Systems	Mechanical Engineering, doctoral academic studies	0.04
16.	Selected Topics in Steam Boilers	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1. Živković D., Spasić Ž., Mitrović D., **Toplotne turbomašine-zbirka rešenih zadataka [Thermal Turbomachinery – Collection of Solved Exercises]**, Niš 1998. godine.
2. D. Mitrović, D. Živković, S. Laković, M. Laković, **Energy and Exergy Analysis of a 348.5 MW Steam Power Plant,** Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 32:11, pp. 1016-1027, 2010.
3. D. Mitrović, D. Živković, **Computation of Working Life Consumption of a Steam Turbine Rotor**, Journal of Pressure Vessel Technology**,** 2010, Vol. 132 / 021202-1:021202-6.
4. M. S. Laković, M. S. Stojiljković, S. V. Laković, V. Stefanović, D. Mitrović**, Impact of the Cold-end Operating Conditions on Energy Efficiency of the Steam Power Plants***, Thermal Science*, 2010., DOI: 10.2298/TSCI100415066L, Vol. 14, Suppl., pp. S53-S66.
5. M. S. Laković, D. Mitrović, V. Stefanović, M. Stojiljković **Coal-Fired Power Plant Power Output Variation Due to Local Weather Conditions**, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 34:23, pp. 2164–2177, 2012.
6. D. M. Mitrović, J. N. Janevski, M. S. Laković, **Primary Energy Savings using Heat Storage For Biomass Heating Systems**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S423-S431.
7. M. M. Stojiljković, B. D. Blagojević, G. D. Vučković, M. G. Ignjatović, D. M. Mitrović, **Optimization of Operation of Energy Supply Systems with Co-Generation and Absorption Refrigeration**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S467-S481.
8. Dejan Mitrović, Branislav Stojanović, Jelena Janevski, Marko Ignjatović, Mirko Stojiljković, **EFFECT OF IMPLEMENTATION OF HEAT STORAGE IN BIOMASS DISTRICT HEATING SYSTEMS**,

	Međunarodna konferencija Elektrane 2012, 30. Oktobar-2. Novembar. Zlatibor, kompletan rad izdat na CD-u.
9.	Dejan Mitrović, Dragoljub Živković, Velimir Stefanović, Mirjana Laković-Paunović (2011), **COMBINED HEAT AND POWER TECHNOLOGIES - AN OVERVIEW**, Međunarodni simpozijum - 15th Symposium on Thermal Science and Engineering of Serbia Sokobanja, Serbia 2011, October 18–21, kompletan rad izdat na CD-u, pp.834-845
10.	Dejan Mitrović, Branislav Stojanović, Mladen Stojiljković, Jelena Janevski, Marko Ignjatović (2011), **WOOD CHIPS PRODUCTION - LOCATIONS AND WOOD CHIP PRODUCTION EQUIPMENT**, Međunarodni simpozijum - 15th Symposium on Thermal Science and Engineering of Serbia Sokobanja, Serbia 2011, October 18–21, kompletan rad izdat na CD-u pp.333-343
11.	Dragoljub S. Živković, Dragan S. Milčić, Dejan M. Mitrović, Marko V. Mančić (2011), **MODERN TECHNOLOGY FOR SUSTAINABLE EXPLOITATION OF GEOTHERMAL ENERGY**, Međunarodni simpozijum - 15th Symposium on Thermal Science and Engineering of Serbia Sokobanja, Serbia 2011, October 18–21, kompletan rad izdat na CD-u pp. 251-260
12.	Dejan Mitrović, Dragoljub Živković, Mirjana Laković, (2010) Eksergetska analiza rada komponenata termoenergetskog postrojenja, [**Exergy analysis of the thermal power plant components**] Međunarodna konferencija Elektrane 2010, 26-29.10.2010. Vrnjačka Banja, kompletan rad izdat na CD-u.
13.	**Dejan Mitrović, Dr Dragoljub Živković: PRORAČUN KARAKTERISTIKA PRODUKATA SAGOREVANJA KOD GASNIH TURBINA, [Calculation of Combustion Products Characteristics in Gas Turbine]**, Procesna Tehnika, 2009, kompletan rad izdan na CD-u
14.	M. Stojiljković, B. Stojanović, G. Vučković, D. Mitrović, J. Janevski, Mirko Stojiljković, M. Ignjatović, Ostvareni rezultati, perspektiva i pravci daljeg rada i razvoja Regionalnog centra za energetsku efikasnost Niš, [**The obtained results Prospects and directions of further work and development of the Regional Energy Efficiency Center Niš**], Regionalna konferencija: Industrijska energetika i zaštita životne sredine u zemljama Jugoistočne Evrope, 24-28. jun 2008, Hotel Palisad, Zlatibor, Srbija
15.	M. Ignjatović, B. Stojanović, J. Janevski, M. Stojiljković, D. Mitrović, M. Vukić, KONSTRUKTIVNE I RADNE KARAKTERISTIKE REKUPERATORA TOPLOTE VAZDUH-VAZDUH, [**CONSTRUCTIVE AND WORKING CHARACTERISTICS OF AIR TO AIR HEAT RECUPERATOR**], 14. Simpozijum termičara Srbije i Crne Gore, Sokobanja, 2009, kompletan rad izdan na CD-u.

Cumulative data on scientific, or artistic, and professional activities of the professor				
Total number of citations	13			
Total number of papers on the SCI (SSCI) list	6			
Current participation in projects	**Domestic:** 2		**International:**	1
Professional development:				
Other information considered relevant:				

First name, middle initial, surname		Jelena N. Janevski	
Rank		Assistant professor	
Name of the institution where the professor is employed full-time and since when		Faculty of Mechanical Engineering in Niš, 1994	
Specialized scientific or artistic field		Thermal Engineering, Thermal Energy and Process Engineering	
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2009	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	2009	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	2000	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Dipl.-Ing. Degree	1994	Faculty of Mechanical Engineering in Niš	Process Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Construction of Chemical Apparatuses and Devices	Mechanical Engineering, undergraduate academic studies	0.88
2.	Renewable Energy Sources	Mechanical Engineering, undergraduate academic studies	0.28
3.	Thermal Operations and Apparatuses	Mechanical Engineering, undergraduate academic studies	0.42
4.	Dryers	Mechanical Engineering, undergraduate academic studies	0.19
5.	Environmental Management Systems	Engineering Management, undergraduate academic studies	0.50
6.	Multi-phase Flow	Energy and Process Engineering, master academic studies	0.67
7.	Renewable Energy Sources	Engineering Management, master academic studies	0.33
8.	Thermodynamics of Multi-phase Flows	Mechanical Engineering, doctoral academic studies	0.18
9.	Heat and Mass Transfer in Fluidized Systems	Mechanical Engineering, doctoral academic studies	0.12
10.	Renewable Energy Sources	Mechanical Engineering, doctoral academic studies	0.07
11.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
12.	Selected Topics in Theory of Drying	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1.	J. Janevski, B. Stojanović, M. Laković, M. Stojiljković, D. Mitrović, **Wood biomass in Serbia resources and possibilities of using**, Energy Sources Part B: Economics, Planning and Policy, the paper accepted on 29. 03. 2013, In press.
2.	M. Stojiljković, B. Stojanović, J. Janevski, G. Ilić, **Mathematical Model of Unsteady Gas to Solid Particles Heat Transfer in Fluidized Bed**, Thermal Science, (2009), No. 1, Vol. 13, pp. 55-68.
3.	B. Anđelković, B. Stojanović, M. Stojiljković, J. Janevski, M. Stojanović, **Thermal Mass Impact on Energy Performance of a Low, Medium and Heavy Mass Building in Belgrade**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S447-S459, DOI:10.2298/TSCI120409182A, ISSN0354-9836, UDC:621.
4.	D. M. Mitrović, J. N. Janevski, M. S. Laković, **Primary Energy Savings using Heat Storage For Biomass Heating Systems**, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S423-S431.
5.	B. Stojanović, J. Janevski, M. Stojiljković, **Experimental investigation of thermal conductivity coefficient and heat exchange between fluidized bed and inclined exchange surface**, Brazilian Journal of Chemical Engineering, vol. 26, number 2, April-June 2009.
6.	B. Stojanović, J. Janevski, M. Stojiljković, **The influence of particles size on heat exchange between fluidized bed and inclined exchange surfaces in bioreactors**, International conference on Intensifying proceedings of biomaterial processing, Sinaia, Romania, 20th-23rd August, 2007.
7.	B. Stojanović, J. Janevski, M. Stojiljković, D. Mitrović, **Radni parametri ložišta za sagorevanje peleta [The operating parameters of chamber for the pellets combustion]**, Jugoslovenski naučno-stručni časopis, Procesna tehnika, br.2-3, god.20., s.153÷155, Beograd, 2004.
8.	B. Stojanović, M. Protić, B. Blagojević, J. Janevski, M. Ignjatović: **Primena MATLAB okruženja za termički proračun toplovodnog kotla za sagorevanje drvenih peleta [Application of MATLAB environment for thermal analysis of hot water boiler for wood pellets combustion]**, 12. Simpozijum termičara SCG, Sokobanja 18-21. 10. 2005
9.	B. Stojanović, J. Janevski, M. Stojiljković, D. Mitrović, **Rezultati ispitivanja kotla za sagorevanje peleta [The results of investigation the boiler for pellets combustion]**, Industrijska Energetika 2004, naučno – stručni skup

	u organizaciji Društva termičara SiCG, D. Milanovac, hotel Lepenski vir, 28.09.÷01.10. 2004.
10.	J. Janevski, B. Stojanović, M. Stojiljković, **Determination of thermal diffusivity coefficients by gas fluidized bed**, 4th Symposium of South-East European Countries on Fluidized Beds in Energy production, April 3-4, Thessalonica, 2003.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	1		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1	**International:**	1
Professional development:			
Other information considered relevant:			

First name, middle initial, surname	Mirjana S. Laković-Paunović		
Rank	Assistant professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 2000		
Specialized scientific or artistic field	Thermal and Process Engineering		
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2011	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	2005	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Dipl.-Ing. Degree	2000	Faculty of Mechanical Engineering in Niš	Thermal Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Applied Thermodynamics and Fluid Mechanics	Mechanical Engineering, undergraduate academic studies	0.63
2.	Thermal Plants	Mechanical Engineering, undergraduate academic studies	0.36
3.	Gas Engineering	Mechanical Engineering, undergraduate academic studies	0.15
4.	Modelling of the Engineering Systems	Engineering Management, undergraduate academic studies	0.38
5.	Energy Management	Engineering Management, undergraduate academic studies	0.45
6.	Thermal Power Plants	Energy and Process Engineering, master academic studies	1.33
7.	Modern Energy Technologies	Engineering Management, master academic studies	0.33
8.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
9.	Selected Topics in Thermal Energy Plants	Mechanical Engineering, doctoral academic studies	0.08
10.	Optimization of Processes and Plants in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08

Representative references

1.	Mirjana S. Laković, Mladen S. Stojiljković, Slobodan V. Laković, Velimir Stefanović, Dejan Mitrović, Impact of the cold-end operating conditions on energy efficiency of the steam power plants, **Thermal Science**, 2010., DOI: 10.2298/TSCI100415066L
2.	Dejan Mitrović, Dragoljub Živković, Mirjana Laković: Energy and Exergy Analysis of A 348.5 MW Steam Power Plant, Energy Sources, Part A: Recovery, **Utilization, and Environmental Effects**, 32:11, 2010, pp. 1016 – 1027.
3.	Mirjana S. Laković, D. Mitrović, V. Stefanović & M. Stojiljković (2012): Coal-fired Power Plant Power Output Variation Due to Local Weather Conditions, Energy Sources, Part A: Recovery, **Utilization, and Environmental Effects**, 34:23, 2164-2177
4.	Mirjana Laković, Slobodan Laković, Mladen Stojiljković, Dejan Mitrović, Velimir Stefanović, (2010), The Range Of The Wet Cooling Tower Of Block A5-110 Mw In Power Plant "Kolubara A", **International Conference Power Plants 2010**, 26-29.10.2010. Vrnjačka Banja, Proceedings on CD-u.
5.	Mitrović Dejan, Janevski Jelena N., Laković Mirjana, Primary energy savings using heat storage for biomass heating systems, **Thermal Science**, 2012, DOI:10.2298/TSCI120503180M
6.	Laković Mirjana, (2006), Impact of the condenser operating conditions on the steam mono block energy efficiency, **17th International Congress of Chemical and Process Engineering CHISA 2006**, August 2006, Praha, Czech Republic, paper on CD, Summaries Vol. 4, pp. 988-989
7.	Laković Slobodan, Laković Mirjana, Stefanović V., Stojiljković M. (2010), Rationality Of Choice Of Working Parameters And Equipment For Power Plant Close-Cycle Cooling, **Termotehnika Journal**, vol. 36, No. 1, pp. 79-91, 2010
8.	Laković M., Laković S., Stojiljković M., Stefanović V., Živković P., Živković D., (2010), Steam Power Plant Condensing Pressure Daily Variation Due To Atmospheric Air Parameters Variation During Summer Period, **Termotehnika Journal**, vol. 36, No 1, pp. 93-102, 2010
9.	Laković Mirjana, Laković Slobodan, Banjac Miloš Analysis of the evaporative towers cooling system of a coal-fired power plant, J. **Thermal Science**, 2012, DOI:10.2298/TSCI120426176L
10.	Laković S., Laković Mirjana, (2004), The Modern Thermal Power Plants Condenser Venting Systems, **Process engineering Journal,** ,No. 2-3, 2004, pp. 13-17.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	12
Total number of papers on the SCI (SSCI) list	5

Current participation in projects	Domestic:	2	International:

Professional development:
Training and Dialogue Program ,,Energy Policy'', Tokyo, Japan, June 2011, Study tour ,,RES – CHP plants'', Spain, October 2011

Other information considered relevant:

First name, middle initial, surname	Predrag M. Živković		
Rank	Assistant professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 2001		
Specialized scientific or artistic field	Thermal and Process Engineering		

Academic career	Year	Institution	Field
Election to the rank	2013	Faculty of Mechanical Engineering in Niš	Thermal and Process Engineering
Doctorate	2011	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Specialization			
Magister Degree	2006	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer
Dipl.-Ing. Degree	2000	Faculty of Mechanical Engineering in Niš	Theoretical and Applied Processes of Heat and Mass Transfer

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Thermal Measurements	Mechanical Engineering, undergraduate academic studies	2.00
2.	Renewable Energy Sources	Mechanical Engineering, undergraduate academic studies	0.19
3.	Energy Management	Engineering Management, undergraduate academic studies	0.30
4.	Numerical Simulations in Energy and Process Engineering	Energy and Process Engineering, master academic studies	1.00
5.	Purification Techniques	Energy and Process Engineering, master academic studies	0.67
6.	Renewable Energy Sources	Engineering Management, master academic studies	0.50
7.	Measurement, Monitoring, and Control Systems	Engineering Management, master academic studies	0.75
8.	Advanced Course in Purification Techniques	Mechanical Engineering, doctoral academic studies	0.09
9.	Theory of Turbulent Fluid Flow	Mechanical Engineering, doctoral academic studies	0.12
10.	Measurements in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.08
11.	Thermal Comfort	Mechanical Engineering, doctoral academic studies	0.06
12.	Selected Topics in Mechanical and Hydromechanical Operations	Mechanical Engineering, doctoral academic studies	0.11
13.	Turbulent Fluid Flow Modelling	Mechanical Engineering, doctoral academic studies	0.08
14.	Numerical Simulations of Transport Processes in Energy and Process Engineering	Mechanical Engineering, doctoral academic studies	0.06

Representative references

1.	Predrag M. Živković, M. Tomić, G. Ilić, M. Vukić, Ž. Stevanović, Specific approach for continuous air quality monitoring, **Ch. Ind. J.,** (2012), Vol 66., Issue 2.
2.	I. Ćirić, Ž. Ćojbašić, V. Nikolić, Predrag M. Živković, M. Tomić, Air quality estimation by computational intelligence methodologies, **Th. Sci.,** (2012) Vol. 16, Suppl. 2
3.	Predrag M. Živković, V. Nikolić, G. Ilić, Ž. Ćojbašić, I. Ćirić, Hybrid soft control strategies for improving the energy capture of a wind farm, **Th. Sci.,** (2012) Vol. 16, Suppl. 2.
4.	M. Tomić, L. Perković, Predrag M. Živković, N. Duić, G. Stefanović, Closed vessel combustion modeling by using pressure-time evolution function derived from two zonal approach, **Th. Sci.,** (2012) Vol. 16, Issue 2
5.	M. Vukić, M. Tomić, Živković M. Predrag, G. Ilić, Effect of segmental baffles on the shell-and-tube heat exchanger effectiveness, **Ch. Ind. J.,** accepted for publishing, DOI:10.2298/HEMIND130127041V
6.	**Laković M., Laković S., Stojiljkovic M., Stefanovic V., Živkovic P., Živkovic D., Dnevna promena pritiska u kondenzatoru povratno hlađenog parnog bloka za prosecan letnji dan [Condensing Pressure Daily Variation in the Steam Power Plant With Closed Cycle Cooling System During Summer Day],** Termotehnika **(2010), vol. 36, br. 1**
7.	Živković P., Laković M., Rašković P., Exergy analyzing Method in Process Integration, **Facta Universitatis** (2004), Vol. 2, N°1
8.	Predrag M. Živković, G. Ilić, Ž. Stevanović, Wind Power Assessment in Complex Terrains of Serbia, **Int. Conf. ECOS**, 2008.
9.	Stefanović V., Mitrović D., Živković P: Possibilities and Directions for District Heating of Niš Development**, Facta Universitatis** (2003), Vol. 1, N°10
10.	Živković D., Mitrović D., Živković P., Proračun termodinamičkih veličina stanja vodene pare primenom metode IAPWS-IF97 [Calculating Thermodynamic Properties of Water Steam Using the IAPWS-IF97 Method],

Procesna Tehnika (2004), Vol. 2-3, pp. 188-191.	

Cumulative data on scientific, or artistic, and professional activities of the professor				
Total number of citations				
Total number of papers on the SCI (SSCI) list	5			
Current participation in projects	**Domestic:** 2		**International:**	1

Professional development:

Training Programs under Technical Cooperation with the Government of Japan, "Cleaner Production through Productive Maintenance (B)", January- April 2010, Japan

Other information considered relevant:

First name, middle initial, surname			Vlastimir D. Nikolić	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering Niš, 1978	
Specialized scientific or artistic field			Automatic Control and Robotics	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	1997	Faculty of Mechanical Engineering Niš		Automatic Control and Robotics
Doctorate	1985	Faculty of Mechanical Engineering Belgrade		Automatic Control and Robotics
Specialization				
Magister Degree	1981	Faculty of Mechanical Engineering Belgrade		Automatic Control and Robotics
Dipl.-Ing. Degree	1978	Faculty of Mechanical Engineering Niš		Transport Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Control Systems	Mechanical Engineering, undergraduate academic studies	2.00
2.	Hydraulic and Pneumatic Control Systems	Mechanical Engineering, undergraduate academic studies	0.50
3.	Modelling and Identification of Objects and Processes	Mechanical Engineering, undergraduate academic studies	0.42
4.	Intelligent Control	Engineering Management, undergraduate academic studies	0.38
5.	Monitoring and Control of Processes	Engineering Management, undergraduate academic studies	0.50
6.	Control Systems in Mechatronics	Mechatronics and Control, master academic studies	1.00
7.	Advanced Control Systems	Mechatronics and Control, master academic studies	1.00
8.	Measurement, Monitoring, and Control Systems	Engineering Management, master academic studies	0.25
9.	Process Control	Engineering Management, master academic studies	0.38
10.	Advanced Computer Control	Control and Applied Computing, master academic studies	1.00
11.	Guided Independent Research 1	Control and Applied Computing, master academic studies	0.17
12.	Guided Independent Research 2	Control and Applied Computing, master academic studies	0.33
13.	Selected Topics in Mechatronics and System Control	Mechanical Engineering, doctoral academic studies	0.58
14.	Components of Automatic Control Systems	Mechanical Engineering, doctoral academic studies	0.18
15.	Digital Control Systems in Mechatronics	Mechanical Engineering, doctoral academic studies	0.18
16.	Stochastic Control Systems	Mechanical Engineering, doctoral academic studies	0.23
17.	Rehabilitation Robotics	Mechanical Engineering, doctoral academic studies	0.11

Representative references

1. Nikolić V., Ćojbašić Ž., Pajović D. (1996), **Automatsko upravljanje - analiza sistema [Automatic Control – System Analysis]**, Mašinski fakultet u Nišu, 308 str., Niš (univerzitetski udžbenik).

2. Nikolić V., Ćojbašić Ž., Simonović M. (2008), **Zbirka zadataka iz upravljanja sistemima [Collection of exercises in automatic control]**, Mašinski fakultet u Nišu, Niš (pomoćni univerzitetski udžbenik, recenzije usvojene na NNV 15/2007 MFN od 29.06.2007.god.).

3. Pavlović,I., Ćirić,I., Djekić,P., Nikolić,V., Pavlović,R., Ćojbasić,Ž., Radenković,G., RHEOLOGICAL MODEL OPTIMIZATION USING ADVANCED EVOLUTIONARY COMPUTATION FOR THE ANALYSIS OF THE INFLUENCE OF RECYCLED RUBBER ON RUBBER BLEND DYNAMICAL BEHAVIOUR, **Meccanica**, 2013, DOI 10.1007/s11012-013-9761-4.

4. Petković,D., Ćojbašić,Ž., Nikolić,V., ADAPTIVE NEURO-FUZZY APPROACH FOR WIND TURBINE POWER COEFFICIENT ESTIMATION, **Renewable and Sustainable Energy Reviews**, Volume 28, December 2013, Pages 191–195, DOI: 10.1016/j.rser.2013.07.049

5. Ćojbašić,Ž., Nikolić,V., Ćirić,I., Ćojbašić,Lj., COMPUTATIONALLY INTELLIGENT MODELLING AND CONTROL OF FLUIDIZED BED COMBUSTION PROCESS, **Thermal Science**, Vol. 15, No. 2, pp. 321-338, 2011.

6. Nikodijević,D., Nikolić,V., Stamenković,Ž., Boričić,A., PARAMETRIC METHOD FOR UNSTEADY TWO-DIMENSIONAL MHD BOUNDARY-LAYER ON A BODY FOR WHICH TEMPERATURE VARIES WITH TIME, **Archives of Mechanics**, Vol. 63, No.1, pp. 57-76, 2011.

7. Ristić-Durrant,D., Grigorescu,S.M., Gräser,A., Ćojbašić,Ž., Nikolić,V., ROBUST STEREO-VISION BASED 3D OBJECT RECONSTRUCTION FOR THE ASSISTIVE ROBOT FRIEND, **Advances in Electrical and Computer Engineering**, Issue 4, Year 2011, pp. 15 – 22, 2011.

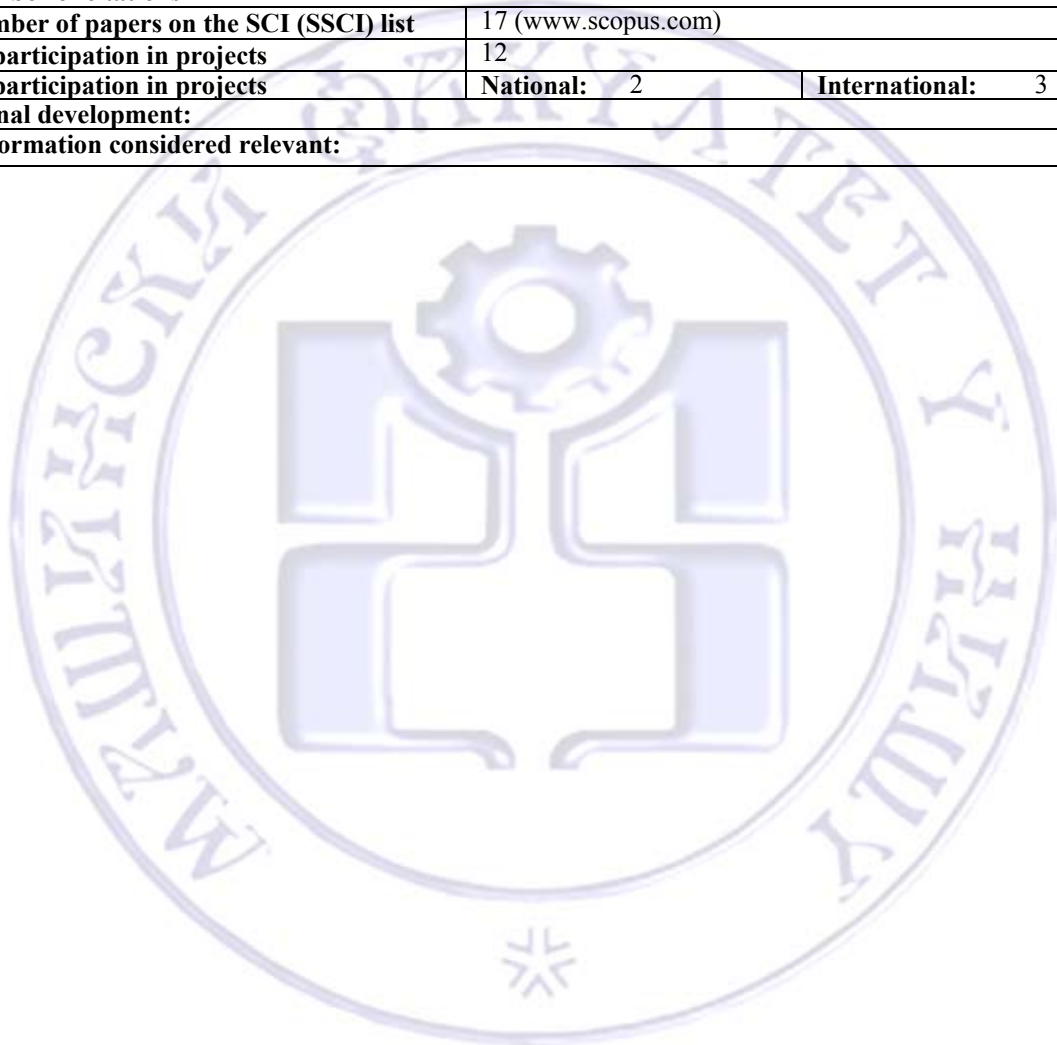|	
8.	Antić D., Jovanović Z., Nikolić V., Milojković M., Nikolić S., Danković N., (2012),Modeling of CASCADE-CONNECTED SYSTEMS USING QUASI-ORTHOGONAL FUNCTIONS, **Electronics and Electrical Engineering**, Vol 18, No.10, ISSN:1392-1215 , pp.3-8., DOI :http://dx.doi.org/10.5755/j01.eee.18.10.3051
9.	Ćirić I., Ćojbašić Ž., Nikolić V., Živković P., Tomić M., AIR QUALITY ESTIMATION BY COMPUTATIONAL INTELLIGENCE METHODOLOGIES**, Thermal Science**, 2012, Vol. 16, Suppl. 2, pp. S555-S567, DOI:10.2298/TSCI120209186C, ISSN 0354-9836, UDC: 621.
10.	Živković P., Nikolić V., Ilić G., Ćojbašić Ž., Ćirić I., HYBRID SOFT COMPUTING CONTROL STRATEGIES FOR IMPROVING THE ENERGY CAPTURE OF A WINDFARM**, Thermal Science**, 2012, Vol. 16, Suppl. 2, pp. S545-S554, DOI:10.2298/TSCI120209185Z, ISSN 0354-9836, UDC: 621.
11.	Petrović E., Leu A, Ristić-Durrant D., Nikolić V. (2013), Stereo-Vision Based Human Tracking for Robotic Follower, **International Journal of Advanced Robotic Systems**, ISSN 1729-8806, 2013.
12.	Trajkovic D., Nikolic V., Antic D., Nikolic S., Peric S. (2013), Application of the Hybrid Bond Graphs and Orthogonal Rational Filters in Sag Voltage Effect Reduction, **Elektronika Ir Elektrotechnika**, 2013, vol. 19 No. 6, pp. 25-30
13.	Miltenovic A., Nikolic V,, Milovancevic M., Banic M. (2012), Experimental and Fem Analysis of Sintered Steel Worm Gear Wear, **Transactions Of Famena**, 2012, vol. 36 No. 4, pp. 85-96
14.	Miltenovic A., Nikolic V., Mitrovic R. (2012) Efficiency of Crossed Helical Gears with Wheels Made of Sintered Steel Fe1.5Cr0.2Mo by Applying the Sinter-Hardening Treatment, **Transactions Of Famena**, 2012, vol. 36 No. 2, pp. 31-40

Total number of citations			
Total number of papers on the SCI (SSCI) list	17 (www.scopus.com)		
Current participation in projects	12		
Current participation in projects	**National:** 2	**International:** 3	
Professional development:			
Other information considered relevant:			

First name, middle initial, surname	Danijela D. Ristić-Durrant		
Rank	Assistant professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering Niš, 1993–2002 University of Bremen, Germany 2002		
Specialized scientific or artistic field	Automatic Control and Robotics		

Academic career	Year	Institution	Field
Election to the rank	2011	Faculty of Mechanical Engineering Niš	Automatic Control and Robotics
Doctorate	2007	University of Bremen, Germany	Automatic Control and Robotics
Specialization			
Magister Degree	1998	Faculty of Mechanical Engineering Niš	Automatic Control and Robotics
Dipl.-Ing. Degree	1992	Faculty of Mechanical Engineering Niš	Automatic Control

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Modelling of Engineering Systems	Engineering Management, undergraduate academic studies	0.28
2.	Control Systems in Mechatronics	Mechatronics and Control, master academic studies	0.25
3.	Digital Systems in Mechatronics	Mechanical Engineering, doctoral academic studies	0.18
4.	Rehabilitation Robotics	Mechanical Engineering, doctoral academic studies	0.11

Representative references

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2. Slavnić S., Leu A., Ristić –Durrant D., Gräser A. (2013), Modeling and Simulation of Walking with a Mobile Gait Rehabilitation System Using Markerless Motion Data, **Modeling, Simulation and Optimization of Bipedal Walking, Cognitive Systems Monographs**, Volume 18, 2013, pp 223-232, Springer Berlin Heidelberg.

3. Slavnić S., Leu A., Ristić –Durrant D., Gräser A., Modeling and simulation of human walking with wearable powered assisting device, **6th Annual Dynamic Systems and Control Conference**, Stanford University, Munger Center, Palo Alto, CA**,** October 21-23, 2013.

4. Petrović E., Leu A, Ristić-Durrant D., Nikolić V. (2013), Stereo-Vision Based Human Tracking for Robotic Follower, **International Journal of Advanced Robotic Systems**, ISSN 1729-8806, 2013. **(M23)**

5. Gräser A., Kuzmicheva O., Ristić-Durrant D., Natarajan S., Fragkopoulos C. (2012), Vision-based Control of Assistive Robot FRIEND: Practical Experiences and Design Conclusions, **at – Automatisierungstechnik**, Vol. 60, Nr. 5 , pp. 297-308, 2012. **(M23)**

6. Ristić-Durrant D., Grigorescu S.M., Gräser A., Čojbašić Ž., Nikolić V. (2011), Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND, **ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING**, Issue 4, Year 2011, 15 – 22, DOI: 10.4316/AECE.2011.04003. **(M23)**

7. Natarajan S. K., Ristić-Durrant D., Leu A., Gräser A., Robust stereo-vision based 3D modelling of real-world objects for assistive robotic applications, the 2011 **IEEE/RSJ International Conference on Intelligent Robots and Systems** (IROS 2011), San Francisco, California, 2011.

8. Ristić D., Gräser A. (2006), Performance Measure as Feedback Variable in Image Processing, **EURASIP Journal on Advances in Signal Processing (has changed title to EURASIP Journal on Advances in Signal Processing)**, Volume 2006, Article ID 27848, 12 pages. **(M22)**

9. Ristić D., Volosyak I., Gräser A. (2005), Feedback Control in Image Processing, **atp international automation technology in practice**, Oldenbourg Industrieverlag GmbH, München, No. 1/2005, pp. 61-70. **(M24)**

10. Volosyak I., Kouzmitcheva O., Ristić D., Gräser A. (2005), Improvement of Visual Perceptual Capabilities by Feedback Structures for Robotic System FRIEND, **IEEE Transactions on Systems, Man, and Cybernetics: Part C**, Vol. 35, No. 1, pp. 66-74. **(M21)**

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	69 (Google scholar)		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**National:**	**International:**	2

Professional development
University of Linz, Austria (October 2001); University of Bremen, Germany (since 2002)

Other information considered relevant: *Coordination and writing of successful submissions for several national (German) and international (EU) research and development projects; researcher and manager EU collaborative project*

First name, middle initial, surname	Žarko M. Ćojbašić		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering Niš, 1994		
Specialized scientific or artistic field	Automatic Control and Robotics		

Academic career	Year	Institution	Field
Election to the rank	2013	Faculty of Mechanical Engineering Niš	Automatic Control and Robotics
Doctorate	2002	Faculty of Mechanical Engineering Niš	Automatic Control and Robotics
Specialization			
Magister Degree	1997	Faculty of Mechanical Engineering Niš	Automatic Control and Robotics
Dipl.-Ing. Degree	1993	Faculty of Mechanical Engineering Niš	Automatic Control

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Control Systems	Mechanical Engineering, undergraduate academic studies	1.00
2.	Computer-Aided Analysis and Design of Control Systems	Mechanical Engineering, undergraduate academic studies	1.00
3.	Industrial Automation	Mechanical Engineering, undergraduate academic studies	1.07
4.	Neuro and Fuzzy Modelling and Control	Mechanical Engineering, undergraduate academic studies	0.38
5.	Modelling of Engineering Systems	Engineering Management, undergraduate academic studies	0.10
6.	Monitoring and Control of Processes	Engineering Management, undergraduate academic studies	0.25
7.	Robotics	Mechatronics and Control, master academic studies	1.50
8.	Control Systems in Mechatronics	Mechatronics and Control, master academic studies	0.25
9.	Measurement, Monitoring, and Control Systems	Engineering Management, master academic studies	0.25
10.	Guided Independent Research 1	Control and Applied Computing, master academic studies	0.17
11.	Intelligent Computer Control and Robotics	Control and Applied Computing, master academic studies	0.50
12.	Components of Automatic Control Systems	Mechanical Engineering, doctoral academic studies	0.18
13.	Intelligent Transportation Systems	Mechanical Engineering, doctoral academic studies	0.18
14.	Computer Systems for Acquisition and Control	Mechanical Engineering, doctoral academic studies	1.31
15.	Intelligent Control Systems	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Ćojbašić Ž., Brkić D. (2013), Very accurate explicit approximations for calculation of the Colebrook friction factor, **INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES**, Volume 67, February 2013, Pages 10–13, DOI:10.1016/j.ijmecsci.2012.11.017. **(M21)**

2. Ristanović M., Ćojbašić Ž., Lazić D. (2012), Intelligent Control of DC Motor Driven Electromechanical Fin Actuator, **CONTROL ENGINEERING PRACTICE**, Volume 20, Issue 6, Pages 610-617, DOI: 10.1016/j.conengprac.2012.02.009. **(M21)**

3. Ćojbašić Ž., Nikolić V., Ćirić I., Ćojbašić Lj. (2011), Computationally Intelligent Modelling and Control of Fluidized Bed Combustion Process, **THERMAL SCIENCE JOURNAL**, Vol. 15, No. 2, pp. 321-338, DOI: 10.2298/TSCI101205031C. **(M23)**

4. Petković D., Ćojbašić Ž. (2012), Adaptive neuro-fuzzy estimation of autonomic nervous system parameters effect on heart rate variability, **NEURAL COMPUTING & APPLICATIONS**, 2012, Volume 21, Number 8, Pages 2065-2070, DOI: 10.1007/s00521-011-0629-z. **(M23)**

5. Petković D., Issa M., Pavlović N. D., Zentner L., Ćojbašić Ž. (2012), Adaptive neuro fuzzy controller for adaptive compliant robotic gripper, **EXPERT SYSTEMS WITH APPLICATIONS**, Volume 39, Issue 18, 15 December 2012, Pages 13295–13304, DOI: 10.1016/j.eswa.2012.05.072 **(M21)**

6. Lukić S., Ćojbašić Ž., Jović N., Popović M., Bjelaković B., Dimitrijević L., Bjelaković Lj. (2012), Artificial neural networks based prediction of cerebral palsy in infants with central coordination disturbance, **EARLY HUMAN DEVELOPMENT**, 88 (2012), 547–553, DOI:10.1016/j.earlhumdev.2012.01.001. **(M21)**

7. Petković D., ĆojbašićŽ., Lukić S. (2013), Adaptive neuro fuzzy selection of heart rate variability parameters affected by autonomic nervous system, **EXPERT SYSTEMS WITH APPLICATIONS**, Vol. 40, No. 11, pp. 4490-4495, DOI:10.1016/j.eswa.2013.01.055. **(M21)**

8. Lukić M., ĆojbašićŽ., Rabasović M., Markushev D., Todorović D. (2013), Neural networks based real-time determination of the laser beam spatial profile and vibrational-to-translational relaxation time within the pulsed photoacoustics, **INTERNATIONAL JOURNAL OF THERMOPHYSICS**, DOI 10.1007/s10765-013-1507-y **(M23)**

9. Petković D., ĆojbašićŽ., Nikolić V. (2013), Adaptive neuro-fuzzy approach for wind turbine power coefficient estimation, **RENEWABLE AND SUSTAINABLE ENERGY REVIEWS**, Volume 28, December 2013, Pages 191–195, DOI: 10.1016/j.rser.2013.07.049 **(M21)**

10. Ristić-Durrant D., Grigorescu S.M., Gräser A., Ćojbašić Ž., Nikolić V. (2011), Robust Stereo-Vision Based 3D Object Reconstruction for the Assistive Robot FRIEND, **ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING**, Issue 4, Year 2011, 15 – 22, DOI: 10.4316/AECE.2011.04003. **(M23)**

11.	Petković D., Pavlović N. D., Ćojbašić Ž., PavlovićN. T. (2013), Adaptive neuro fuzzy estimation of underactuated robotic gripper contact forces, **EXPERT SYSTEMS WITH APPLICATIONS**, Volume 40, Issue 11, 15 January 2013, Pages 281-286, DOI: 10.1016/j.eswa.2012.07.076. **(M21)**
12.	Tanikić D., Manić M., Devedzić G., Ćojbašić Ž.(2010), Modelling of the Temperature in the Chip-forming Zone Using Artificial Intelligence Techniques, **NEURAL NETWORK WORLD**, Vol 20, No 2, pp.171-187. **(M23)**
13.	Petrović G., Ćojbašić Ž., Marinković D. (2011), Optimal preventive maintenance of refuse collection vehicles using probabilistic and computational intelligence approach, **SCIENTIFIC RESEARCH AND ESSAYS**, Vol. 6(16), pp. 3485-3497.**(M23)**
14.	Lukić S., Ćojbasić Ž., Perić Z., Milošević Z., Spasić M., Pavlović V., MilojevićA. (2012), Artificial neural networks based early clinical prediction of mortality after spontaneous intracerebral hemorrhage, **ACTA NEUROLOGICA BELGICA**, Vol. 112, Issue 4, Page 375-382, DOI: 10.1007/s13760-012-0093-2.**(M23)**
15.	Lukić S., Ćojbašić Ž., Milošević Z. (2012), Comparison of artificial neural network and logistic regression models for predicting clinically relevant outcome, **WORLD NEUROSURGERY**, DOI: 10.1016/j.wneu.2012.07.005. **(M23)**
16.	Živković P., Nikolić V., Ilić G., Ćojbašić Ž., Ćirić I. (2012), Hybrid soft computing control strategies for improving the energy capture of a wind farm, **THERMAL SCIENCE**, Vol. 16, Suppl. 2, pp. S483-S491, DOI:10.2298/TSCI120503185Z. **(M23)**
17.	Petković D., Ćojbašić Ž., Nikolić V. (2013), Adaptive neuro-fuzzy maximal power extraction of wind turbine with continuously variable transmission, **ENERGY**, 10.1016/j.energy.2013.10.094. **(M21)**
18.	Ćirić I., Ćojbašić Ž., Nikolić V., Živković P., Tomić M.(2012), Air quality estimation by computational intelligence methodologies, **THERMAL SCIENCE**, Vol. 16, Suppl. 2, pp. S493-S504, DOI:10.2298/TSCI120503186C. **(M23)**
19.	Pavlović I., Ćirić I., Djekić P., Nikolić V., Pavlović R., ĆojbasićŽ.,Radenković G. (2013), Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behaviour, MECC-D-12-01339R1, **MECCANICA**, DOI 10.1007/s11012-013-9761-4. **(M21)**
20.	Lukić M., Ćojbašić Ž., Rabasović M. D., Markushev D. D., Todorović D. M. (2013), Genetic Algorithms Application for the Photoacoustic Signal Temporal Shape Analysis and Energy Density Spatial Distribution Calculation, **INTERNATIONAL JOURNAL OF THERMOPHYSICS**, DOI 10.1007/s10765-013-1529-5.**(M23)**

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	25 (SCOPUS), 73 (Google Scholar)		
Total number of papers on the SCI (SSCI) list	22		
Current participation in projects	**National:** 2	**International:**	2

Professional development
Long stays: Fraunhofer IPK Institute Berlin, Germany (1998, 2003), Technical University of Braunschweig, Germany(1998), Technical University of Ilmenau, Germany (2003), Manchester Bussiness School in Manchester, England (2005); Short stays within the frameworks of international projects: University of Bremen, Germany (2010, 2011, 2012, 2013), Technical University Berlin, Germany (2013), Technical University Munich, Germany (2010), Imperial College London, UK (2011), University of Karlsruhe, Germany (2010), Politechnic University of Catalonia, Barcelona, Spain (2011), University of Exeter, Great Britain (2010), German University of Cairo, Egypt (2010).

Other information considered relevant: *Participated in realization of 23 projects, international and national.*

First name, middle initial, surname		Nenad D. Pavlović		
Rank		Full professor		
Name of the institution where the professor is employed full-time and since when		Faculty of Mechanical Engineering in Niš, 1973		
Specialized scientific or artistic field		Mechatronics		
Academic career	*Year*	*Institution*		*Field*
Election to the rank	1995	Faculty of Mechanical Engineering in Niš		Mechatronics
Doctorate	1984	Faculty of Mechanical Engineering in Niš		Theory of Machines and Mechanisms
Specialization				
Magister Degree	1979	Faculty of Mechanical Engineering in Niš		Theory of Machines and Mechanisms
Dipl.-Ing. Degree	1973	Faculty of Mechanical Engineering in Niš		Design

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Mechanisms and Machines	Mechanical Engineering, undergraduate academic studies	0.56
2.	Mechanical Functional Elements	Mechanical Engineering, undergraduate academic studies	0.23
3.	Design of Linkages and Analysis of Mechanical Error in Mechanisms	Mechanical Engineering, undergraduate academic studies	0.45
4.	Micromechatronics	Mechatronics and Control, master academic studies	1.50
5.	Mechanisms in Mechatronics	Mechatronics and Control, master academic studies	1.00
6.	Compliant Mechanisms	Mechatronics and Control, master academic studies	1.00
7.	Dynamics of Machinery	Mechanical Engineering, doctoral academic studies	0.35
8.	Optimal Synthesis of Mechanisms	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Pavlović N. T., Pavlović N. D.: Compliant Mechanism Design for Realizing of Axial Link Translation, **Mechanism and Machine Theory** 44 (2009), 1082-1091. **(M21)**

2. Petković, D., Issa, M., Pavlović, N.D., Pavlović, N.T., Zentner, L., Adaptive neuro-fuzzy estimation of conductive silicone rubber mechanical properties, **Expert Systems with Applications**, Vol. 39 (2012), 9477-9482. **(M21)**

3. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Ćojbašić,Ž., Adaptive neuro fuzzy controller for adaptive compliant robotic gripper, **Expert Systems with Applications**, Vol. 39 (2012), 13295-13304. **(M21)**

4. Petković, D., Pavlović, N.D., Ćojbašić,Ž., Pavlović, N.T., Adaptive neuro fuzzy estimation of underactuated robotic gripper contact forces, **Expert Systems With Applications**, Vol. 40 (2013), 281-286. **(M21)**

5. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Application of the TRIZ creativity enhancement approach to design of passively compliant robotic joint, **The International Journal of Advanced Manufacturing Technology**, (2012), Springer, http://link.springer.com/article/10.1007%2Fs00170-012-4530-4, DOI: 10.1007/s00170-012-4530-4. ISSN 0268-3768. **(M22)**

6. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Intelligent rotational direction control of passive robotic joint with embedded sensors, **Expert Systems With Applications**, Vol. 40 (2013), 1265-1273. **(M21)**

7. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Electrical Properties Estimation of Conductive Silicone Rubber for Tactile Sensing Structure, **Sensor Review**, Vol. 33 (2013), No. 2, 114-124. **(M23)**

8. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Design of Compliant Robotic Joint with Embedded-Sensing Elements of Conductive Silicone Rubber, **Industrial Robot**, Vol. 40 (2013), No. 2, 143-157. **(M23)**

9. Issa, M., Petković, D., Pavlović, N.D., Zentner, L., Sensor elements made of conductive silicone rubber for passively compliant gripper, **The International Journal of Advanced Manufacturing Technology**, (2013), Springer, Vol. 69 (2013), No. 5, 1527-1536. **(M22)**

10. Petković, D., Issa, M., Pavlović, N.D., Zentner, L., Application of the TRIZ creativity enhancement approach to the design of a passively adaptive compliant robotic gripper, **Assembly Automation**, Vol. 33 (2013), No. 3, 231-239. **(M23)**

11. Petković, D., Pavlović, N.D., Applications and Adaptive Neuro-Fuzzy Estimation of Conductive Silicone Rubber Properties, **Strojarstvo**: časopis za teoriju i praksu u strojarstvu, Vol. 54 (2012), No. 3, 197-203. **(M23)**

12. Petković, D., Pavlović, N.D., Shamshirband, S., Anuar, N.B., Development of a new type of passively adaptive compliant gripper, **Industrial Robot**, Vol. 40 (2013), No. 6, 610-623. **(M23)**

13. Petković, D., Pavlović, N.D., Compliant multi-fingered passively adaptive robotic gripper, **Multidiscipline Modeling in Materials and Structures**, Vol. 9 (2013), No. 4, 538-547. **(M23)**

14. Petković,D, Pavlović, N.D., A New Principle of Adaptive Compliant Gripper, **Mechanisms, Transmissions and Applications, Series: Mechanisms and Machine Science**, Vol. 3 (2012), Springer, ISBN 978-94-007-2726-7,143-150. **(M14)**

15. Haferkorn, H., Pavlović,N.D., **Tehnička optika [Technical Optics]**, Mašinski fakultet Univerziteta u Nišu, Niš, 1989.

16. Pavlović,N.D., **Opruge kao pogonski elementi [Springs as driving elements]**, monografija [monograph], Mašinski fakultet Univerziteta u Nišu, Niš, 1996, ISBN 86-80587-11-7.

17. Pavlović,N.D., **Mikromehanika [Micromechanics]**, Mašinski fakultet Univerziteta u Nišu, Niš, 1998, ISBN 86-80587-18-4.

18. Pavlović,N.D., **Teorija tačnosti mehanizama [Accuracy of mechanisms]**, monografija [monograph], Mašinski fakultet Univerziteta u Nišu, Niš, 2004, ISBN 86-80587-30-3.

19. Pavlović,N.D., Milošević,M., **Polužni mehanizmi [Linkages]**, Mašinski fakultet Univerziteta u Nišu, Niš, 2012, ISBN 978-86-6055-029-5.

20. Pavlović, N.D., Pavlović, N.T., **Gipki mehanizmi [Compliant Mechanisms]**, Mašinski fakultet Univerziteta u Nišu, 2013,

	ISBN 978-86-6055-036-3.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	12 (www.scopus.com)			
Total number of papers on the SCI (SSCI) list	13			
Current participation in projects	**Domestic:** 2		**International:**	1

Professional development: RWTH Aachen, Germany (1981/82),
Faculty of Mechanical Engineering, Ilmenau University of Technology, Germany (several times)

Other information considered relevant
Serbian coordinator of the international projects "Mechatronics" and "Mechatronics II" financed by DAAD (German Academic Exchange Service) (2000-2006)
International patent "Schlauchartige bewegliche Struktur mit stoffschlüssigen Gelenken"- Patentnotification 23.9.2000; AZ: 10047220.6
Serbian coordinator of the project "The development of methods for designing of functional compliant mechanisms and sensor integration in compliant mechanisms" financed by DAAD (German Academic Exchange Service) and Ministry of Science and Technological Development of the Republic of Serbia (2010-2011)
Coordinator of the project "Development of intelligent hospital bed for immovable patients treatment" (TR 14029) sponsored by the Ministry of Science and Technological Development of the Republic of Serbia (2008-2010)
Since 2012 Vice-rector of the University of Niš for science and publishing
4 books and 2 monographs

First name, middle initial, surname	Nenad T. Pavlović	
Rank	Full professor	
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1992	
Specialized scientific or artistic field	Mechatronics	

Academic career	Year	Institution		Field
Election to the rank	2013	Faculty of Mechanical Engineering in Niš		Mechatronics
Doctorate	2003	Faculty of Mechanical Engineering in Niš		Theory of Machines and Mechanisms
Specialization				
Magister Degree	1996	Faculty of Mechanical Engineering in Niš		Precision Engineering and Robotics
Dipl.-Ing. Degree	1991	Faculty of Mechanical Engineering in Niš		Precision Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Engineering Graphics	Mechanical Engineering, undergraduate academic studies	1.20
2.	Optical Elements in Mechatronics	Mechanical Engineering, undergraduate academic studies	1.07
3.	Mechanical Functional Elements	Mechanical Engineering, undergraduate academic studies	0.23
4.	Information Technologies 1	Engineering Management, undergraduate academic studies	0.25
5.	Modern Engineering Systems	Engineering Management, undergraduate academic studies	0.38
6.	Biomechatronics	Mechatronics and Control, master academic studies	2.50
7.	Compliant Mechanisms	Mechatronics and Control, master academic studies	0.50
8.	Guided Independent Research 2	Control and Applied Computing, master academic studies	0.33
9.	Sensors, Actuators and PLCs	Control and Applied Computing, master academic studies	0.50
10.	Optical System Design	Mechanical Engineering, doctoral academic studies	0.36

Representative references

1. Pavlović N. T., Pavlović N. D., **Zbirka zadataka iz Tehničke optike [Practical Exercises in Optical Engineering]**, Mašinski fakultet Niš, Niš, 2007, ISBN 978-86-80587-75-2.

2. Pavlović, N.D., Pavlović, N.T., **Gipki mehanizmi [Compliant Mechanisms]**, Mašinski fakultet Univerziteta u Nišu, 2013, ISBN 978-86-6055-036-3.

3. Pavlović N. T., Pavlović N. D., Compliant Mechanism Design for Realizing of Axial Link Translation, **MECHANISM AND MACHINE THEORY** 44 (2009), Elsevier, ISSN 0094-114X, 1082-1091.

4. Pavlović N. T., Pavlović N. D., Mobility of the compliant joints and compliant mechanisms, **THEORETICAL AND APPLIED MECHANICS**, Belgrade, 2005, Vol. 32 (4), ISBN 0350-2708, pp. 341-357.

5. Petković, D., Issa, M., Pavlović, N.D., Pavlović, N.T., Zentner, L., **ADAPTIVE NEURO-FUZZY ESTIMATION OF CONDUCTIVE SILICONE RUBBER MECHANICAL PROPERTIES**, Expert Systems with Applications, Vol. 39, 2012, Elsevier, ISSN 0957-4174, 9477 – 9482.

6. Milčić, D., Mijajlović, M., Pavlović, T.N., Vukić, M., Mančić, D., **TEMPERATURE BASED VALIDATION OF THE ANALYTICAL MODEL FOR THE ESTIMATION OF THE AMOUNT OF HEAT GENERATED DURING FRICTION STIR WELDING**, Thermal Science, Vol. 16, Suppl. 2, 2012, ISSN 0354-0936, DOI: 10.2298/TSCI120209173M, S389-S403.

7. Mijajlović, M., Pavlović, T.N., Jovanović, S., Jovanović, S.D., Milčić, D., **EXPERIMENTAL STUDIES OF PARAMETERS AFFECTING THE HEAT GENERATION IN FRICTION STIR WELDING PROCESS**, Thermal Science, Vol. 16, Suppl. 2, 2012, ISSN 0354-0936, DOI: 10.2298/TSCI120430174M, S405-S417.

8. Petković, D., Pavlović, N.D., Ćojbašić, Ž., Pavlović, N.T., **ADAPTIVE NEURO-FUZZY ESTIMATION OF UNDERACTUATED ROBOTIC GRIPPER CONTACT FORCES**, Expert Systems With Applications, Vol. 40, 2013, Elsevier, ISSN 0957-4174, 281-286.

9. Pavlović, T.N., Pavlović, D.N., Milošević, M., **DETERMINING OF OPTIMAL DIMENSIONS OF COMPLIANT SPRING GUIDING SYSTEMS**, Journal of Mechanics Engineering and Automation, Volume 1 (6), 2011, ISSN 2159-5275 (Print), ISSN 2159-5283 (Online), 455 – 463.

10. Pavlović, D.N., Petrović, T., Pavlović, T.N., Milošević, M., Jovanović, S., Đorđević, B., Jovanović, D., **Mehanizam koji omogućava automatizovano podešavanje položaja nogu pacijenta na bolničkom krevetu [The mechanism enabling automated adjusting of a patient's leg position on a hospital bed]**, mali patent 1227U, Zavod za intelektualnu svojinu Republike Srbije, Glasnik intelektualne svojine, 31.10.2011.

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	9 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1	**International:**	1

Professional development: 1996, 1999, 2001, 2002 Faculty of Mechanical Engineering, Ilmenau University of Technology, Germany
Other information considered relevant: Member of the Committee for Standardization and Terminology of the International Federation for the Promotion of Mechanism and Machine Science – IFToMM

First name, middle initial, surname			Miloš S. Stojković	
Rank			Assistant professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1998	
Specialized scientific or artistic field			Production Systems and Technology	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2013	Faculty of Mechanical Engineering in Niš		Production Systems and Technology
Doctorate	2011	Faculty of Mechanical Engineering in Niš		Production Systems and Technology
Specialization				
Magister Degree	2002	Faculty of Mechanical Engineering in Niš		Production Systems and Technology
Dipl.-Ing. Degree	1996	Faculty of Mechanical Engineering in Niš		Manufacturing Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Production Systems	Mechanical Engineering, undergraduate academic studies	0.25
2.	Planning of Manufacturing Processes	Mechanical Engineering, undergraduate academic studies	0.25
3.	Programming of CNC Machines	Mechanical Engineering, undergraduate academic studies	0.11
4.	Modern Engineering Systems	Engineering management, undergraduate academic studies	0.50
5.	Production and Service Systems	Engineering management, undergraduate academic studies	0.75
6.	Design of Manufacturing Systems	Production Information Technologies, master academic studies	2.25
7.	CAPP-CAM Systems	Production Information Technologies, master academic studies	0.80
8.	Supply Chain Management	Traffic Engineering, Transport and Logistics, master academic studies	1.00
9.	Technology and Business Forecasting	Engineering management, master academic studies	0.50
10.	Product Management	Engineering management, master academic studies	0.50
11.	Knowledge Management	Engineering management, master academic studies	1.00
12.	Programming of CNC machines	Control and Applied Computing, master academic studies	0.17
13.	Advance Geometric Modelling	Mechanical Engineering, doctoral academic studies	0.35
14.	Integrated Tire Development	Mechanical Engineering, doctoral academic studies	0.36
15.	Design of Medical Devices and Implants	Mechanical Engineering, doctoral academic studies	0.36
16.	Analysis and Simulation of Tire Dynamics	Mechanical Engineering, doctoral academic studies	0.23
17.	Knowledge Based Engineering Systems	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	Milovanovic, J., **Stojkovic**, M., Trajanovic, M. (2012). Metal Laser Sintering For Rapid Tooling In Application To Tyre Tread Pattern Mould. Chapter 4 In: Shatokha V, editor. Sintering - Methods and Products, InTech ,73-90
2.	Zdravković, M., Trajanović, M., **Stojković**, M., Mišić, D., Vitković, N. (2012). A case of using the Semantic Interoperability Framework for custom orthopaedic implants manufacturing, Annual Reviews in Control, 36 (2)
2	Majstorovic, V., Trajanovic, M., Vitkovic, N., **Stojkovic**, M. (2013) Reverse engineering of human bones by using method of anatomical features, CIRP Annals - Manufacturing Technology, 62 (1), pp. 167–170
4.	**Stojkovic**, M., Milovanovic, J., Vitkovic, N., Trajanovic, M., Arsic, S., Mitkovic, M. (2012) Analysis of femoral trochanters morphology based on geometrical model, JSIR-Journal of Scientific Industrial Research, 71(3), 210-216
5.	**Stojkovic**, M., Milovanovic, J., Vitkovic, N., Trajanovic, M., Grujovic, N., Milivojevic, V., Milisavljevic, S., & Mrvic, S. (2010). Reverse modeling and solid free-form fabrication of sternum implant. Australasian Physical & Engineering Sciences in Medicine, 33(3), 243-250
6.	Mišić, D., **Stojković**, M., Domazet, D., Trajanović, M., Manić, M., & Trifunović, M. (2010). Exception detection in business process management systems. JSIR-Journal of Scientific Industrial Research, 69(03), 1038-1042
7.	Milovanovic, J., **Stojkovic**, M., Trajanovic, M., (2009). Rapid Tooling of Tyre Tread Ring Mould Using Direct Metal Laser Sintering, JSIR-Journal of Scientific Industrial Research, 68(12), 1038-1042.
8.	Korunović, N., Trajanović, M., **Stojković**, M., Mišić, D., Milovanović, J., (2011), Finite Element Analysis of a Tire Steady Rolling on the Drum and Comparison with Experiment, Strojniški vestnik - Journal of Mechanical Engineering 57(12), 888-897.
9.	Arsić, S., Perić, P., **Stojković**, M., Ilić, D., Stojanović, M., Ajduković, Z., Vučić, S., (2010). Comparative

	analysis of linear morphometric parameters of the humane mandibula obtained by direct and indirect measurement, *Vojnosanitetski Pregled*, 67 (10), 839-846
10.	Manic, M., Miltenovic, V., **Stojkovic**, M., Banic, M., (2010). Feature Models in Virtual Product Development, Strojišni vestnik, 56 (3), 169-178.
11.	Vitković, N. Milovanović, J., Korunović, N., Trajanović, M., **Stojković**, M., Mišić, D., Arsić, S. (2013), Software System for Creation of Human Femur Customized Polygonal Models, Computer Science and Information Systems / ComSIS, 10 (3), 1473-1497
12.	Korunovic N., Trajanović, M. , **Stojković**, M., Vitković, N., Trifunović, M., Milovanović, J., (2012) Detailed vs. Simplified Tread Tire Model for Steady-State Rolling Analysis, Strojarstvo: Journal for Theory and Application in Mechanical Engineering; 54 (2), 153-160
13.	Vitković, N., Trajanović, M., Manić, M., **Stojković**, M., Milovanović, J., Korunović, N., (2013), Different Approaches for the Creation of Femur Anatomical Axis and Femur Shaft Geometrical Models, Strojarstvo: Journal for Theory and Application in Mechanical Engineering , 54 (3), 247-255
14.	**Stojkovic**, M., Korunovic, N., Trajanovic, M., Milovanovic, J., Trifunovic, M., Vitkovic, N, (2013). Design Study Of Anatomically Shaped Lattice Scaffolds For The Bone Tissue Recovery, SEECCM III-3rd South-East European Conference on Computational Mechanics - ECCOMAS and IACM Special Interest Conference M. Papadrakakis, M. Kojic, I. Tuncer (eds.), Kos Island, Greece (S2065)
15.	Korunovic, N., Trajanovic, M., Stevanovic, D., Vitkovic, N., **Stojkovic**, M., Milovanovic, J., Ilic, D., (2013) Material Characterization Issues In Fea Of Long Bones, , SEECCM III-3rd South-East European Conference on Computational Mechanics - ECCOMAS and IACM Special Interest Conference M. Papadrakakis, M. Kojic, I. Tuncer (eds.), Kos Island, Greece (S2139)
16.	**Stojković**, M., Manić, M., Trifunović, M., Mišić, D., (2011). Semantic categorization of data by determining the similarities of associations of the semantic network, E-Society Journal: Research and Application, 2(1), 3-14
17.	**Stojkovic**, M., Manic, M., & Trajanovic, M. (2005). Knowledge-Embedded Template Concept. CIRP - Journal of Manufacturing Systems, ISSN: 1755-5817, Imprint: Elsevier, 34 (1)
18.	**Stojkovic**, M., Trajanovic, M., Vitkovic, N., Milovanovic, J., Arsic, S., Mitkovic, M. (2009). Referential Geometrical Entities for Reverse Modeling of Geometry of Femur, Computational Vision and Medical Image Processing – VipIMAGE, Porto, Portugal, CRC Press/Balkema, Taylor & Francis Group. 189-195
19.	Trajanovic M., Vitkovic N., **Stojkovic** M., Manic M., & Arsic S. (2009). The morphological approach to geometrical modelling of the distal femur. Proceedings - 2nd South-East European Conference on Computational Mechanics – SEECCM (An IACM-ECCOMAS Special Interest Conference), Rhodes, Greece. (SE191)
20.	Stojkovic, M., Manic, M., Trajanovic, M., & Korunovic, N. (2007). Semantic Structures In The Product Data Model, In: Garetti M, editors. Proceedings of International Conference on Product Lifecycle Management PLM Assessing the industrial relevance. Milano, 227-234

Cumulative data on scientific, or artistic, and professional activities of the professors				
Total number of citations	12			
Total number of papers on the SCI (SSCI) list	13			
Current participation in projects	**Domestic:** III-41017		**International:**	Two FP7 prj. 1- Euroaxess T.O.P. II, 2- JoRIEW

Professional development: Quality management in IT Projects – Steinbeis-Transferzentrum, Deutche Investitions und Entwicklungsgesellschaft, Operation Management – Manchester business School, Sinumerik 810/840D и 828D – SIEMENS, Erlangen, Stem cells and contemporary medicine – High School of Medicine in Nis

Other information considered relevant: Member of MESA (Manufacturing Enterprise Solutions Association)

First name, middle initial, surname			Miodrag T. Manić	
Rank			Full professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1980	
Specialized scientific or artistic field			Manufacturing Systems and Technologies	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2006	Faculty of Mechanical Engineering in Niš		Manufacturing Systems and Technologies
Doctorate	1995	Faculty of Mechanical Engineering in Niš		Manufacturing Systems and Technologies
Specialization				
Magister Degree	1989	Faculty of Mechanical Engineering in Niš		Manufacturing Systems and Technologies
Dipl.-Ing. Degree	1980	Faculty of Mechanical Engineering in Niš		Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Manufacturing Systems	Mechanical Engineering, undergraduate academic studies	0.75
2.	Technology Planning Process	Mechanical Engineering, undergraduate academic studies	0.25
3.	E-business	Mechanical Engineering, undergraduate academic studies	0.75
4.	Basics of Biomedical Engineering	Mechanical Engineering, undergraduate academic studies	0.21
5.	Programming of CNC Machine Tools	Mechanical Engineering, undergraduate academic studies	0.45
6.	E-business	Engineering Management, undergraduate academic studies	1.00
7.	CNC Manufacturing Systems	Production Information Technologies, master academic studies	1.50
8.	Production of Medical Devices	Production Information Technologies, master academic studies	0.75
9.	Technology and Business Forecasting	Engineering Management, master academic studies	0.50
10.	Knowledge Management	Engineering Management, master academic studies	0.05
11.	Programming of CNC Machine Tools	Control and Applied Computing, master academic studies	0.67
12.	Selected Topics in Production Information Technologies and Industrial Management	Mechanical Engineering, doctoral academic studies	0.22
13.	Modern Production Technology	Mechanical Engineering, doctoral academic studies	0.18
14.	Virtual Product Development and Technology	Mechanical Engineering, doctoral academic studies	0.35
15.	Intelligent Manufacturing Systems	Mechanical Engineering, doctoral academic studies	0.36
16.	Production of Medical Devices and Implants	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Manić M., Spasić D., **Numerički upravljane mašine**, *Knjiga,* [*Numerically controlled machines, book*]*,* Mašinski fakultet Niš, Niš, 1998.

2. Domazet D., Trajanović M., Manić M., [**Introduction to computer integrated manufacturing systems, book**], Naučna knjiga, Beograd, 1989.

3. Manic Miodrag T Miltenovic Vojislav Dj Stojkovic Milos S Banic Milan S , Feature Models in Virtual Product Development, Strojniski vestnik-journal of mechanical engineering, (2010), vol. 56 br. 3, str. 169-178

4. Manić M., Đurišić Z., Intelligent Nesting System, **Yugoslav Journal of Operations Research, YJOR** (2003) Vol. 13, No. 2, pp. 229-245.

5. Stojković M., Manić M., Trajanović M., Knowledge-Embedded Template Concept, **CIRP - Journal of Manufacturing Systems**, WISU-Veralg Aachen (2005), Vol. 34, No 1.

6. Manić M., Domazet D., Trajanović M., Mišić D., The Modelling Approach of Data and Knowledge Bases of Expert CAPP Systems, **32nd Int. MATADOR Conference**, Proc., pp. 237-242, Manchester, England, 1997.

7. Miodrag Manić, Nikola Korunović, Nikola Vitković, Jelena Milovanović, Miloš Stojković, Miroslav Trajanović, Different Approaches for the Creation of Femur Anatomical Axis and Femur Shaft Geometrical Models , **Strojarstvo**, 2012, 3, 54, ISSN 0562-1887 od str. 247, do str. 255

8. Miodrag T. Manić, Dejan I. Tanikić, Miloš S. Stojković, Dalibor M. Đenadić, Modeling of the Process Parameters Using Soft Computing Techniques, **World Academy of Science, Engineering and Technology**, pp. 1761-1766, Issue 59, November 2011

9. Randjelović S., Manić M., Trajanović M., Milutinović M., Morvin D., The Impact of Die Angle on Tool Loading in the Process of Cold Extruding Steel MATERIALI IN TEHNOLOGIJE, (2012), vol. 46 br. 2, str. 149-154

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11. Kostic Milena S Krunic Nebojsa Nikolic Ljubisa B Nikolic Vesna D Najman Stevo J Kostic Ivan Rajkovic Jelena S Manic Miodrag T Petkovic Dusan , Influence of Residual Monomer Reduction on Acrylic Denture Base Resins Quality, HEMIJSKA INDUSTRIJA, (2011), vol. 65 br. 2, str. 171-177

12. Devedzic Goran B Milosevic Danijela Ivanovic Lozica Adamovic Dragan Manic Miodrag T , Reasoning with Linguistic

	Preferences Using NPN Logic, COMPUTER SCIENCE AND INFORMATION SYSTEMS, (2010), vol. 7 br. 3, str. 511-528
13.	Misic Dragan Domazet Dragan Trajanovic Miroslav D Manic Miodrag T Zdravkovic Milan , Concept of the Exception Handling System for Manufacturing Business Processes, COMPUTER SCIENCE AND INFORMATION SYSTEMS, (2010), vol. 7 br. 3, str. 489-509
14.	Misic Dragan Stojkovic Milos S Domazet Dragan Trajanovic Miroslav D Manic Miodrag T Trifunovic Milan B , Exception detection in business process management systems, JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, (2010), vol. 69 br. 3, str. 188-193
15.	Devedzic Goran B Manic Miodrag T Tanikic Dejan I Ivanovic Lozica Miric Nenad , Conceptual Framework for NPN Logic Based Decision Analysis, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, (2010), vol. 56 br. 6, str. 402-408
16.	Tanikic Dejan I Manic Miodrag T Devedzic Goran B Stevic Zoran M , Modelling Metal Cutting Parameters Using Intelligent Techniques, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, (2010), vol. 56 br. 1, str. 52-62
17.	Tanikic Dejan I Manic Miodrag T Devedzic Goran B Cojbasic Zarko M , Modelling of the Temperature in the Chip-forming Zone Using Artificial Intelligence Techniques, , NEURAL NETWORK WORLD, (2010), vol. 20 br. 2, str. 171-187

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations			
Total number of papers on the SCI (SSCI) list	11		
Current participation in projects	**Domestic:** 2	**International:** 3	

Professional development *As a fellow of the government of the Republic of Serbia in 1991. year spent two months in training in Manchester, England at UMIST-in the Manufacturing and Machine Tools Engineering Division.*

Other information considered relevant *140 scientific and professional papers presented at conferences, symposium., Meeting. or published in books and magazines,*
21 units from the group of strategic, scientific research, development and innovation projects,
2 Bibliographic record belonging to a group of educational publications, books, studies and monographs,
25 projects designed for the needs of the economy, 8 projects designed software solutions.

First name, middle initial, surname			Dragan T. Mišić	
Rank			Assistant professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1993	
Specialized scientific or artistic field			Production Systems and Technologies	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2010	Faculty of Mechanical Engineering in Niš		Production Systems and Technologies
Doctorate	2010	Faculty of Mechanical Engineering in Niš		Production Systems and Technologies
Specialization				
Magister Degree	1998	Faculty of Mechanical Engineering in Niš		Production Engineering
Dipl.-Ing. Degree	1991	Faculty of Mechanical Engineering in Niš		Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Databases	Mechanical Engineering, undergraduate academic studies	1.07
2.	Object-oriented Programming	Mechanical Engineering, undergraduate academic studies	1.07
3.	Business Information Systems	Mechanical Engineering, undergraduate academic studies	0.83
4.	Information Systems Design	Mechanical Engineering, undergraduate academic studies	0.68
5.	Information Technologies 1	Engineering Management, undergraduate academic studies	0.25
6.	Information Technologies 2	Engineering Management, undergraduate academic studies	0.50
7.	Integrated Information Systems	Production Information Technologies, master academic studies	0.75
8.	Web Technologies	Production Information Technologies, master academic studies	1.25
9.	Enterprise Information Systems	Engineering Management, master academic studies	0.38
10.	Process Management	Engineering Management, master academic studies	0.38
11.	Knowledge Modelling	Mechanical Engineering, doctoral academic studies	0.35
12.	Computer-aided Process Modelling and Management	Mechanical Engineering, doctoral academic studies	0.36
13.	Ubiquitous Computing	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	Mišić D., Domazet D., Trajanović M, Manić M., Zdravković M., Concept of the exception handling system for manufacturing business processes, **Computer Science and Information Systems** (ComSIS), 2010. god.
2.	Misic, D., Stojkovic, M., Domazet, D., Trajanovic M., Manic, M., Trifunovic, M. : Exception detection in business process management systems. **Journal of Scientific and Industrial Research**, pp. 188-193. (mart 2010) (M23)
3.	Zdravković, M., Trajanović, M., Stojković, M., Vitković, N., Mišić, D. A case of using the Semantic Interoperability Framework for custom orthopaedic implants manufacturing. Annual Reviews in Control. 36 (2) 318–326 (2012)
4.	Finite Element Analysis of a Tire Steady Rolling on the Drum and Comparison with Experiment, Korunović, N.Trajanović, M. Stojković, M. Mišić, D. Milovanović, J.Strojniški vestnik - Journal of Mechanical Engineering 57(2011)12, 888-897
5.	Vitković, N., Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S.: SOFTWARE SYSTEM FOR CREATION OF HUMAN FEMUR CUSTOMIZED POLYGONAL MODELS. Computer Science and Information Systems, Vol. 10, No. 3, 1473-1497. (2013)
6.	E-learning system for medical education based on the geometrical models of human bones and fixators, Nikola Vitković, Miodrag Manić, Miroslav Trajanović, Dragan Mišić, Milorad Mitković, tanja Arh, Matic Pipan The Fourth International Conference on e-Learning (eLearning-2013), Belgrade 2013
7.	Stojković M., Manić M., Trifunović M., Mišić D., Semantic Interpretation of Geometrical Features, 5th International Working Conference ''Total Quality Management'', 1 - 4 Jun, 2009, Beograd.
8	Geometrical models of human bones and implants, and their usage in application for preoperative planning in orthopaedics, Vitković, N., Veselinović, M., Mišić, D., Manić, M., Trajanović, M., Mitković, M. MMA 2012, 11th International Scientific Conference Novi Sad, Serbia, September 20-21, 2012
9.	RESOURCES MANAGEMENT IN WORKFLOW MANAGEMENT SYSTEMS, Dragan Mišić, Nikola Vitković, Miloš Stojković, Milan Zdravković, Miroslav Trajanović, 34th International conference on production engineering, September 28-30 2011, Niš, Serbia
10.	Manić M., Stojković M., Mišić D., Đurišić Z., Manufacturability Analysis Using Feature Based Design, International Conference on COMPUTER INTEGRATED MANUFACTURING, Advanced Design and Management, Gliwice, Poland 26-8.05.2003

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations			
Total number of papers on the SCI (SSCI) list	5		
Current participation in projects	**Domestic:** 1		**International:**

Professional development
Other information considered relevant:

First name, middle initial, surname	Goran M. Radenković
Rank	Associate professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1979
Specialized scientific or artistic field	Production Systems and Technologies

Academic career	Year	Institution	Field
Election to the rank	2007	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	2001	Faculty of Technology and Metallurgy Belgrade	Structure of Metal, Physical Metallurgy Electrochemistry
Specialization			
Magister Degree	1988	Faculty of Mechanical Engineering in Niš	Structure of Metal, Heat Treatment
Dipl.-Ing. Degree	1979	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of courses taught by the professor at the first second and third level of studies

	Course name	Study programme name, type of studies	Act. Teach. Class. (load)
1.	Engineering Materials	Mechanical Engineering, undergraduate academic studies	4.33
2.	Choice of Materials	Mechanical Engineering, undergraduate academic studies	0.50
3.	Technology of Materials	Production Information Technologies, master academic studies	0.75
4.	Benchmarking	Engineering Management, master academic studies	0.75
5.	Behaviour of Materials in Exploitation	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Г. Раденковић, Испитивање утицаја термичке обраде на ударну жилавост ливеног нискоугљеничног челика са око 13 процената хрома, Магистарски рад, Машински факултет Ниш, Ниш, 1988.
[Investigation of influence of heat treatment on the impact thoughness of cast low carbon steel containing about 13 % chromium, Magister Thesis]

2. Г. Раденковић, Утицај термичке обраде на микроструктуру и својства ливеног нерђајућег челика аустенитно-феритног типа, Докторски рад, Технолошко-металуршки факултет Универзитета у Београду, Београд 2001.
[Influence of heat treatment on the microstructure and properties of cast stainless duplex steel, Doctoral Dissertation]

3. G. Radenković, Z. Cvijović, S. K. Zečević, D. V. Mihajlović, The influence of microstructure modified by rapid solidification on corrosion behavior of cast duplex stainless steels, Prakt. Met. Sonderbd. **26** (1995), pp. 295-307.

4. G. Radenković, Z. M. Cvijović, S. K. Zečević, D. V. Mihajlović, Surface melting effect on the corrosion behaviour of austenitic-ferritic stainless steels solidified in various models, **Materials Science Forum**, **352** (2000) pp. 213-218.

5. Z. Cvijović, G. Radenković, Pitting Corrosion Damage of Cast Duplex Stainless Steels: Role of Microstructure, 5th chapter of book Corrosion Research Trends, Editors: I. S. Wang, **Nova Science Publishers** (2000), vol. 352 br. , str. 213-218.

6. Z.Cvijović, G. Radenković, Microstructure and pitting corrosion resistance of annealed duplex stainless steel, **Corrosion Science**, 48 (12) (2006), 3887-3906,

7. Tanikic Dejan, Mancic Dragan, Radenkovic Goran: Metal cutting process parameters modeling: an artificial intelligence approach, **JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, (2009), vol. 68 br. 6, str. 530-539

8. Djekic Petar S, Radenkovic Goran M: The Influence of the Share of Recycled Tire on the Rubber Mixture Properties, **HEMIJSKA INDUSTRIJA**, (2010), vol. 64 br. 3, str. 247-252

9. Potic Milan B, Ignjatovic Ivan M, Savic V, Djekic Petar S, Radenkovic Goran M: Mechanical properties and tissue reinforcement of polypropylene grafts used for pelvic floor repair-an experimental study, **HERNIA**, (2011), vol. 15 Nr. 6, p. 685-690

10. Ivan Pavlović, Ivan Ćirić, Petar Djekić, Vlastimir Nikolić, Ratko Pavlović, Žarko Ćojbašić, Goran Radenković: Rheological model optimization using advanced evolutionary computation for the analysis of the influence of recycled rubber on rubber blend dynamical behavior, **Meccanica** DOI 10.1007/s11012-013-9761-4

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	78	
Total number of papers on the SCI (SSCI) list	6	
Current participation in projects	**Domestic** 2	**International: 1**
Professional development: -		
Other information considered relevant: -		

First name, middle initial, surname	Miroslav R. Radovanović		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1990		
Specialized scientific or artistic field	Production Systems and Technologies		

Academic career	Year	Institution	Field
Election to the rank	2007	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Doctorate	1996	Faculty of Mechanical Engineering in Niš	Production Systems and Technologies
Specialization			
Magister Degree	1987	Faculty of Mechanical Engineering in Belgrade	Production Engineering and Application of Computers
Dipl.-Ing. Degree	1977	Faculty of Mechanical Engineering in Niš	Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Production Technologies	Mechanical Engineering, undergraduate academic studies	1.50
2.	Machining	Mechanical Engineering, undergraduate academic studies	1.11
3.	Technology of Machining	Mechanical Engineering, undergraduate academic studies	0.73
4.	Design and Analysis of Experiments	Mechanical Engineering, undergraduate academic studies	0.58
5.	Management of Technological Development	Engineering Management, undergraduate academic studies	0.50
6.	Modelling and Optimization of Machining Processes	Production Information Technologies, master academic studies	1.00
7.	Engineering Methods	Engineering Management, master academic studies	0.33
8.	Selected Topics in Production Information Technologies and Industrial Management	Mechanical Engineering, doctoral academic studies	0.22
9.	Modern Production Technologies	Mechanical Engineering, doctoral academic studies	0.18
10.	Advanced Unconventional Machining	Mechanical Engineering, doctoral academic studies	0.12
11.	Measurements in Production Systems	Mechanical Engineering, doctoral academic studies	0.66
12.	Modelling and Optimization of Processes	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Radovanović M., **Tehnologija mašinogradnje, obrada rezanjem [Engineering Technology, Machining]**, Univerzitet u Nišu, Mašinski fakultet, Niš, 2002

2. Lazarević D., Radovanović M., **Nekonvencionalne metode, obrada materijala odnošenjem [Unconventional Methods, Machining of Materials Taking Away]**, Univerzitet u Nišu, Mašinski fakultet, Niš, 1994

3. Marinković V., Radovanović M., **Priručnik za laboratorijske vežbe iz obrade materijala rezanjem [Manual for the Laboratory Exercises in the Machining of Materials]**, Univerzitet u Nišu, Mašinski fakultet, Niš, 1994

4. Radovanović M.: Some possibilities for determining cutting data when using laser cutting, **Strojniski Vestnik/ Journal of Mechanical Engineering**, 2006, 52 (10), pp. 645-652

5. Radovanović M., Application of laser beam for cutting of metals, **Journal of The Balkan Tribological Association**, 2003, 9 (4), pp. 542-548

6. Madić M., Radovanović M., Modeling and analysis of correlations between cutting parameters and cutting force components in turning AISI 1043 steel using ANN, **Journal of the Brazilian Society of Mechanical Sciences and Engineering**, 2013, 35 (2), pp. 111-121

7. Madić M., Radovanović M., Analysis of the heat affected zone in CO_2 laser cutting of stainless steel, **Thermal Science**, 2013, 16 (suppl.2), pp. S363-S373

8. Madić M., Marinković V., Radovanović M., Mathematical modeling and optimization of surface roughness in turning of polyamide based on artificial neural network, **Mechanika**, 2012, Vol. 18, No. 5, pp. 574-581

9. Kovačević M., Madić M., Radovanović M., Software prototype for validation of machining optimization solutions obtained with meta-heuristic algorithms, **Expert Systems with Applications**, 2013, 40 (17), pp. 6985-6996

10. Petropoulos G., Vaxevanidis N., Radovanović M., Zoler C., Morphological – functional aspects of electro-discharge machined surface textures, **Strojniski Vestnik/ Journal of Mechanical Engineering**, 2009, 55 (2). pp. 95-103

11. Madić M., Marinković V., Radovanović M., Optimization of the kerf quality characteristics in CO_2 laser cutting of AISI 304 stainless steel based on Taguchi method, **Mechanika**, 2013, Vol. 19, No. 5, pp. 580-587

12. Madić, M., Radovanović, M., Application of RCGA-ANN approach for modeling kerf width and surface roughness in CO_2 laser cutting of mild steel, **Journal of the Brazilian Society of Mechanical Sciences and Engineering**, 2013, Vol. 35, No. 2, pp. 103-110.

13. Madić, M., Radovanović, M., Manić, M., Trajanović, M., Optimization of ANN models using different optimization methods for improving CO_2 laser cut quality characteristics, **Journal of the Brazilian Society of Mechanical Sciences and Engineering**, 2013, DOI 10.1007/s40430-013-0054-6

14.	Dašić P., Franek F., Assenova E., Radovanović M., International standardization and organization in the field of tribology, **Industrial Lubrication and Tribology**, 2003, Vol. 55, No. 6, pp. 287-291
15.	Slatineanu L., Coteata M., Gherman L., Besliu I., Radovanović M., Mircescu C., Stoica S., Diminishing shape errors at electrical discharge machining of external cylindrical surfaces, **Applied Mechanics and Materials**, 2013, 371, pp.305-309

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	12 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	10		
Current participation in projects	**Domestic:** 1		**International:**
Professional development:			
Other information considered relevant:			

First name, middle initial, surname		Miroslav D. Trajanović	
Rank		Full professor	
Name of the institution where the professor is employed full-time and since when		Faculty of Mechanical Engineering in Niš, 1978	
Specialized scientific or artistic field		Manufacturing Systems and Technologies	
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2006	Faculty of Mechanical Engineering in Niš	Manufacturing Systems and Technologies
Doctorate	1995	Faculty of Mechanical Engineering in Niš	Production Engineering
Specialization			
Magister degree	1986	Faculty of Mechanical Engineering in Niš	Production Engineering
Dipl.-Ing. degree	1978	Faculty of Mechanical Engineering in Niš	Production Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Basics of Information and Communication Technologies	Mechanical Engineering, undergraduate academic studies	2.00
2.	Computer-Aided Geometric Modelling	Mechanical Engineering, undergraduate academic studies	1.00
3.	Application of FEM	Mechanical Engineering, undergraduate academic studies	0.83
4.	Reverse Engineering	Mechanical Engineering, undergraduate academic studies	0.42
5.	Basics of Biomedical Engineering	Mechanical Engineering, undergraduate academic studies	0.21
6.	Additive Technologies	Mechanical Engineering, undergraduate academic studies	0.38
7.	Information Technologies 1	Engineering Management, undergraduate academic studies	0.25
8.	Information Technologies 2	Engineering Management, undergraduate academic studies	0.50
9.	Advanced Application of FEM	Production Information Technologies, master academic studies	0.75
10.	Biomaterials	Production Information Technologies, master academic studies	0.50
11.	Analysis and Simulation of Biomedical Systems	Production Information Technologies, master academic studies	0.40
12.	Enterprise Information Systems	Production Information Technologies, master academic studies	0.38
13.	Selected Topics in Production Information Technologies and Industrial Management	Mechanical Engineering, doctoral academic studies	0.22
14.	Tissue Engineering	Mechanical Engineering, doctoral academic studies	0.35
15.	Integration and Interoperability of Systems	Mechanical Engineering, doctoral academic studies	0.36
16.	Manufacturing Information Systems	Mechanical Engineering, doctoral academic studies	0.23
17.	Analysis and Simulation in Biomechanics	Mechanical Engineering, doctoral academic studies	0.23

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1.	Vidosav Majstorovic, Miroslav Trajanovic, Nikola Vitkovic, Milos Stojkovic, Reverse engineering of human bones by using method of anatomical features, **CIRP Annals - Manufacturing Technology** 62 (2013) 167–170
2.	Vitković, N., Milovanović, J., Korunović, N., Trajanović, M., Stojković, M., Mišić, D., Arsić, S.: Software System for Creation of Human Femur Customized Polygonal Models,. **Computer Science and Information Systems,** Vol. 10, No. 3, 1473-1497. (2013)
3.	M. Trajanović, N. Grujović, J. Milovanović, B. Milivojević, **Računarski podržane brze proizvodne tehnologije,** [Computer-Aided Rapid Prototyping Technologies]**,** *monografija*, Mašinski fakultet u Kragujevcu, 2008.
4.	Zdravković M., Trajanović M., Integrated Product Ontologies for Inter-Organizational Networks, **Computer Science and Information Systems (ComSIS)**, Volume 6, Number 2, December 2009., pp 29 – 46, UDC 004.72, DOI: 10.2298/csis0902029Z
5.	Milovanovic, M. Stojkovic, M. Trajanovic, "Rapid Tooling of Tyre Tread Ring Mould Using Direct Metal Laser Sintering", **JSIR-Journal of Scientific Industrial Research**, Vol.68(12), December 2009, pp 1038-1042, http://nopr.niscair.res.in/handle/123456789/6736, ISSN: 0975-1084 (Online), ISSN: 0022-4456.
6.	Mišić D., Domazet D., Trajanović M, Manić M., Zdravković M., Concept of the exception handling system for manufacturing business processes, **Computer Science and Information Systems (ComSIS),** 2010 7(3):489-509, DOI:10.2298/CSIS090608006M, ISSN: 1820-0214
7.	Milan Zdravković, Miroslav Trajanović, Hervé Panetto, Local ontologies for semantic interoperability in supply chain networks, ICEIS 2011, 13th **International Conference on Enterprise Information Systems**, Beijing, China, 2011
8.	Mišić D., Stojkovic M., Domazet D., Trajanović M, Manić M., Trifunovic M., Exception detection in business process management systems, **JSIR- Journal of Scientific Industrial Research**, Vol.69(03), March 2010, pp 1038-1042
9.	Milos Stojkovic, Jelena Milovanovic, Nikola Vitkovic, Miroslav Trajanovic, Nenad Grujovic, Vladimir Milivojevic, Slobodan Milisavljevic, Stanko Mrvic, Reverse modeling and solid free-form fabrication of sternum implant, **Australasian Physical &**

	Engineering Sciences in Medicine: Volume 33, Issue 3 (2010), Page 243-250, DOI: 10.1007/s13246-010-0029-1
10.	Milan Zdravković, Hervé Panetto, Miroslav Trajanović, Alexis Aubry, An Approach for Formalizing the Supply Chain Operations, **Enterprise Information System**, Volume 5, Issue 4, Taylor & Francis Group, 2011, Page 401-421, DOI:10.1080/17517575.2011.593104
11.	Nikola Korunović, Miroslav Trajanović, Miloš Stojković, Dragan Mišić, Jelena Milovanović, Finite Element Analysis of a Tire Steady Rolling on the Drum and Comparison with Experiment, **Strojniški vestnik - Journal of Mechanical Engineering**, 57(2011)12, 888-897
12.	Milos Stojkovic, Jelena Milovanovic, Nikola Vitkovic, Miroslav Trajanovic, Stojanka Arsic, Milorad Mitkovic, Analysis of femoral trochanters morphology based on geometrical model, **JSIR-Journal of Scientific Industrial Research**, Vol.71(03), March 2012, pp 210-216,
13.	Sasa Randjelovic, Miodrag Manic, Miroslav Trajanovic, Mladomir Milutinovic, Dejan Movrin, The impact of die angle on tool loading in the process of cold extruding steel, **Materials and technology**, 46 (2012) 2, pp 149–154
14.	Milan Zdravković, Miroslav Trajanović, Miloš Stojković, Dragan Mišić, Nikola Vitković, A case of using the Semantic Interoperability Framework for custom orthopaedic implants manufacturing, **Annual Reviews in Control,** Volume: 36 Issue: 2 Pages: 318-326
15.	V.J. Cvetkovic, S.J. Najman, J.S. Rajkovic, A.Lj. Zabar, P.J. Vasiljevic, Lj.B. Djordjevic, M.D. Trajanovic, A comparison of the microarchitecture of lower limb long bones between some animal models and humans: a review, **Veterinarni Medicina**, 58, 2013 (7): 339–351

Cumulative data on scientific, or artistic, and professional activities of the professor				
Total number of citations	47			
Total number of papers on the SCI (SSCI) list	14			
Current participation in projects	**Domestic:**	2	**International:**	3
Professional development:				
Other information considered relevant:				

First name, middle initial, surname			Miltenović V. Aleksandar		
Rank			Scientific associate		
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 2008		
Specialized scientific or artistic field			Mechanical Design		
Academic career	*Year*	*Institution*		*Field*	
Election to the rank	2013	Faculty of Mechanical Engineering in Niš		Mechanical Constructions, Development and Engineering	
Doctorate	2011	Ruhr-University Bochum		Mechanical Design	
Specialization					
Magister Degree	2005	Faculty of Mechanical Engineering in Niš		Mechanical Design and Mechanization	
Dipl.-Ing. Degree	2003	Faculty of Mechanical Engineering in Niš		Mechanical Design and Mechanization	

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	CAD – Geometric Modelling	Mechanical Engineering, undergraduate academic studies	3.00
2.	Tribology	Mechanical Engineering, undergraduate academic studies	0.18
3.	Technical Diagnostics	Mechanical Engineering, undergraduate academic studies	0.75
4.	Reliability in Mechanical Engineering	Engineering Management, undergraduate academic studies	0.63
5.	Design of Railway Vehicles	Engineering Management, undergraduate academic studies	0.10
6.	International Project Management	Mechanical Constructions, Development and Engineering, master academic studies	1.00
7.	Virtual Product Development	Mechanical Constructions, Development and Engineering, master academic studies	2.00
8.	Intellectual Property Rights	Mechanical Constructions, Development and Engineering, master academic studies	0.67
9.	Industrial Design	Mechanical Constructions, Development and Engineering, master academic studies	1.00
10.	Communication and Presentation Techniques	Mechanical Constructions, Development and Engineering, master academic studies	0.50
11.	Selected Topics in Mechanical Design and Railway Engineering	Mechanical Engineering, doctoral academic studies	0.29
12.	Innovation Management	Mechanical Engineering, doctoral academic studies	0.12
13.	Lightweight Design	Mechanical Engineering, doctoral academic studies	0.18
14.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22
15.	Design of Diagnostic System	Mechanical Engineering, doctoral academic studies	0.44

Representative references

1.	Tomović R., Miltenović V., Banić M., Miltenović A: **VIBRATON RESPONSE OF RIGID ROTOR IN UNLOADED ROLLING ELEMENT BEARING**; International Journal of Mechanical Sciences (ISSN 0020-7403), 59/9 (2010), pp. 1176-1185
2.	Predki, W., Miltenović, A.: **INFLUENCE OF HARDENING ON THE MICROSTRUCTURE AND THE WEAR CAPACITY OF GEARS MADE OF FE1.5CR0.2MO SINTERED STEEL**. International Journal "Science of Sintering", 42 (2010). doi: 10.2298/SOS1002183P (UDK 622.785:669.15-196), pp. 183-191.
3.	Ianici,S., Banić,M. Miltenović, A.: **VIRTUAL PRODUCT DEVELOPMENT ON VENTURI PUMP.** Proceedings of the Int. Con. "Mechanical Engineering in XXI Century, 25-26 November 2010. Niš, Serbia, Faculty of Mechanical Engineering. pp.117-120.
4.	Miltenović, A., Predki, W.: **DAMAGE TYPES OF CROSSED HELICAL GEARS WITH WHEELS FROM SINTERED STEEL**. International Journal "Science of Sintering", 43 (2011). doi: 10.2298/SOS1102205M (UDK 622:785) pp. 205-214.
5.	Miltenović, V., Milisavljević, J., Miltenović A., Banić, M.: **DEFINITION OF PRODUCT PROFILE BASED ON INNOVATION MANAGEMENT.** Machine Design, Vol.3 (2011) No 1, ISSN 1821-1259 pp. 7-12.
6.	Miltenović,V., Banić,M., Miltenović,A.: **DEVELOPMENT OF CLEANING/DISINFECTION APPLIANCES USED IN HEALTHCARE IN THE FRAME OF MODERN APPROACH IN ENGINEER'S EDUCATION**, Proceedings of 1st Regional Conference – Mechatronics in Practice and Education, MECH - CONF 2011, 08.-10.12.2011, Subotica, Serbia.
7.	Miltenović, A., Nikolić, V., Mitrović, R.: **EFFICIENCY OF CROSSED HELICAL GEARS WITH WHEELS MADE OF SINTERED STEEL FE1.5CR0.2MO WITH SINTER-HARDENING TREATMENT.** TRANSACTIONS OF FAMENA XXXVI-2 (2012), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, pp. 31-40 Zagreb 2012.
8.	Radišić, S., Banić, M., Miltenović. A.: **DEVELOPMENT OF DEVICE FOR MEASURING THE FORCE IN GROUND ANCHORS USING TRIZ METHOD**; Annals of Faculty Engineering Hunedoara (ISSN 1584–2673), X/3 (2012), pp.333-338
9.	Banić, M., Stamenković, D., Miltenović, V., Milošević, M,. Miltenović, A., Đekić, P., Rackov M.: **PREDICTION OF HEAT GENERATION IN RUBBER OR RUBBER-METAL SPRINGS.** Thermal science, 2012 DOI:10.2298/TSCI120503189B
10.	Miltenović, A., Kuzmanović, S., Miltenović, V., Tica, M., Rackov, M.: **THERMAL STABILITY OF CROSSED HELICAL GEARS WITH WHEELS MADE FROM SINTERED STEEL.** Thermal science, 2012, DOI:10.2298/TSCI120503190M
11.	Miltenović, A., Mitrović, R., Banić, M.: **CROSSED HELICAL GEARS WITH WHEELS FROM SINTERED STEEL WITH PYROHYDROLYSIS**. Advanced Materials Research Vol. 633 (2013), DOI: 10.4028 pp 197-208
12.	Miltenović A., Nikolić V., Milovančević M, Banić M: **EXPERIMENTAL AND FEM ANALYSIS OF SINTERED STEEL WORM**

	GEAR WEAR. Transactions of famena XXXVI-4 (2012), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, pp. 85-96 Zagreb 2012. UDC 62-58:536.421.5:620.17
13.	Banić M., Stamenković D., Milošević M., Miltenović A.: **TRIBOLOGY ASPECT OF RUBBER SHOCK ABSORBERS DEVELOPMENT**, Tribology in Industry, Vol. 35, No. 3 (2013) 242-248
14.	Kuzmanović, S. grupa autora (monografija): **MENADŽMENT ŽIVOTNIM CIKLUSOM PROIZVODA** (Miltenović A., Banić M.: Inovacioni menadžment, s.73-124), Univerzitet u Novom Sadu, Fakultet Tehničkih nauka, ISBN 978-86-7892-509-2, Novi Sad 2013
15.	Miltenović, A., Banić, M., Miltenović, V.: **PREDICTION OF HEAT GENERATION IN MESHING OF CROSSED HELICAL GEARS**, International Conference Gears. VDI-Society for Product and Process Design. October 7th to 9th, 2013, Garching, Germany

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	8 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	9		
Current participation in projects	**Domestic:** 1	**International:**	1

Professional development:

2005 – 2010 Ruhr-University Bochum, Faculty of Mechanical Engineering, LMGK, Germany

Other information considered relevant:

First name, middle initial, surname			Boban R. Anđelković	
Rank			Associate professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 1990	
Specialized scientific or artistic field			Mechanical Design	
Academic career	Year	Institution		Field
Election to the rank	2012	Faculty of Mechanical Engineering in Niš		Mechanical Design
Doctorate	2006	Faculty of Mechanical Engineering in Niš		Mechanical Design
Specialization				
Magister Degree	1993	Faculty of Mechanical Engineering in Niš		Mechanical Design
Dipl.-Ing. Degree	1982	Faculty of Mechanical Engineering in Niš		Energy Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Basics of Design	Mechanical Engineering, undergraduate academic studies	1.50
2.	Welded Mechanical Structures	Mechanical Engineering, undergraduate academic studies	0.28
3.	Design of Road Vehicles	Mechanical Engineering, undergraduate academic studies	0.68
4.	Mechanical Engineering Design	Mechanical Engineering, undergraduate academic studies	0.08
5.	Modelling of Engineering Systems	Engineering Management, undergraduate academic studies	0.38
6.	Mechanical System Design	Engineering Management, undergraduate academic studies	0.30
7.	Product Development Methods	Mechanical Constructions, Development and Engineering, master academic studies	1.67
8.	Model-Based Design and Multidomain Simulation	Mechanical Constructions, Development and Engineering, master academic studies	1.33
9.	Project Management Tools and Techniques	Engineering Management, master academic studies	1.33
10.	Project Management Software	Engineering Management, master academic studies	0.50
11.	Knowledge Management	Engineering Management, master academic studies	0.70
12.	Selected Topics in Mechanical Design and Railway Engineering	Mechanical Engineering, doctoral academic studies	0.29
13.	Optimization in Mechanical Design	Mechanical Engineering, doctoral academic studies	0.18
14.	Multidomain Simulation and Model-Based Design in Product Development	Mechanical Engineering, doctoral academic studies	0.18
15.	Decision Methods	Mechanical Engineering, doctoral academic studies	0.18
16.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22
17.	Design of Diagnostics System	Mechanical Engineering, doctoral academic studies	0.44
18.	Selected Topics in Welded Constructions	Mechanical Engineering, doctoral academic studies	0.08
19.	Product Development Methods	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1. Vlastimir Đokić, Boban Anđelković: **Osnove konstruisanja – zbirka rešenih zadataka [Fundamentals of design - a collection of solved problems]**, Mašinski fakultet Niš, ISBN 978-86-6055-022-6, 2011

2. Aca D. Micić, Biljana R. Đorđević, Predrag N. Lekić, Boban R. Anđelković**, Automatic Determination of Filter Coefficients for Local Contrast Enhancement**, Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, Vol. 37, No 1, pp 63 – 76, 2013

3. Dragoslav Janošević, Rosen Mitrev, Boban Andjelković, Plamen Petrov: **QUANTITATIVE MEASURES FOR ASSESMENT OF THE HYDRAULIC EXCAVATOR DIGGING EFFICIENCY**, Journal of Zhejiang University-SCIENCE A (Engineering), ISSN 1673-565X (Print), ISSN 1862-1775 (Online), 2012 Vol.13 No.12, pp 926-942, **DOI:** 10.1631/jzus.A1100318, 2012

4. M. Mijajlović, D. Milčić, B. Andjelković, M. Vukićević, M. Bjelić: **MATHEMATICAL MODEL FOR ANALYTICAL ESTIMATION OF GENERATED HEAT DURING FRICTION STIR WELDING. PART 1**, Journal of the Balkan Tribological Association, Vol. 17, No 2, 179–191, 2011.

5. M. Mijajlović, D. Milčić, B. Andjelković, M. Vukićević, M. Bjelić: **MATHEMATICAL MODEL FOR ANALYTICAL ESTIMATION OF GENERATED HEAT DURING FRICTION STIR WELDING. PART 2**, Journal of the Balkan Tribological Association, Vol. 17, No 3, 346–355, 2011.

6. Miloš Milovančević, Jelena Stefanović-Marinović, Boban Anđelković, Aleksandar Veg: **Embedded Condition Monitoring of Power Transmission of a Pellet Mill,** Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE, Vol. 34, No 2 pp 71 – 80, 2010.

7. Boban Anđelković, Dragan Milčić, Dragoslav Janošević, Miloš Milovančević: **Modified Neural network-based study into the coefficient of friction in pressed assemblies,** Transactions of FAMENA, University of Zagreb, FACULTY OF MECHANICAL

8.	Boban Anđelković, J. Stefanović Marinović, M. Milovančević, B. Đorđević: **DYNAMIC MODELING AND THE CONTROL OF THE WIND TURBINE GEARBOX USING FUZZY LOGIC CONTROLER**, XI International Conference on Systems, Automatic Control and Measurements – SAUM 2012, Faculty of Electronic Engineering, Faculty of Mechanical Engineering, University of Niš, 14 – 16 November, 2012, pp 185 – 188, Niš, Serbia, ISBN 978-86-6125-072-9.
9.	B. Đorđević, A. Micić, B. Anđelković: **ANALYSIS OF TYPE AND POSITION OF DEFECT IN THE MATERIALS BY APPLYING THERMOGRAPHY**, XI International Conference on Systems, Automatic Control and Measurements – SAUM 2012, Faculty of Electronic Engineering, Faculty of Mechanical Engineering, University of Niš, 14 – 16 November, 2012, pp 5 – 8, Niš, Serbia, ISBN 978-86-6125-072-9.
10.	Dragan Milčić, Miroslav Mijajlović, Boban Anđelković, Miodrag Milčić: **SOFTWARE SYSTEM FOR CALCULATIONS OF MACHINE PARTS – PROGRAM MODULE FOR FRICTION TRANSMISSIONS CALCULATIONS**, COMETa 2012, 1st International scientific conference, Faculty of Mechanical Engineering, University of East Sarajevo, 28 – 30 November 2012, pp 303 – 308, Jahorina, Republic of Srpska, ISBN 978-99938-655-5-1,COBISS.BH-ID 3367448.
11.	Jelena STEFANOVIĆ-MARINOVIĆ, Boban ANĐELKOVIĆ, Miloš MILOVANČEVIĆ, Milan BANIĆ, **An Application of Multicriteria Optimization to the Wind Turbine Power Transmission**, Mechanical Engineering in XXI Century, 20 – 21 June 2013, pp 223 – 226.
12.	Boban Anđelković, Dragan Milčić, Dragoslav Janošević, **Friction coefficient problems and neuro - fuzzy modeling**, FTN Novi Sad, part of monograph, 18.05.2008, (pp 87-90).
13.	Dragan Milčić, Boban Anđelković, Miroslav Mijajlović, **Automation of power transmitters design process within ZPS system**, FTN Novi Sad, part of monograph, 18.05.2008, (pp 1 - 8).

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	6 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 2	**International:**	2
Professional development			
Other information considered relevant			

First name, middle initial, surname	Dušan S. Stamenković
Rank	Full professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 2000
Specialized scientific or artistic field	Mechanical Design

Academic career	Year	Institution	Field
Election to the rank	2011	Faculty of Mechanical Engineering in Niš	Traffic and Mechanical Engineering
Doctorate	2000	Faculty of Mechanical Engineering in Niš	Mechanical Design
Specialization			
Magister Degree	1993	Faculty of Mechanical Engineering in Niš	Precision Engineering
Dipl.-Ing. Degree	1980	Faculty of Mechanical Engineering in Niš	Manufacturing Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Tribology	Mechanical Engineering, undergraduate academic studies	1.25
2.	Technical Diagnostics	Mechanical Engineering, undergraduate academic studies	0.25
3.	Maintenance of Mechanical Systems and Means of Transport	Mechanical Engineering, undergraduate academic studies	0.50
4.	Road Vehicles	Engineering Management, undergraduate academic studies	0.42
5.	Design of Railway Vehicles	Engineering Management, undergraduate academic studies	0.52
6.	Mechanical Engineering Design	Mechanical Engineering, undergraduate academic studies	0.08
7.	Manufacturing of Mechatronic Elements	Mechanical Engineering, undergraduate academic studies	0.23
8.	Rolling Stock	Mechanical Engineering, undergraduate academic studies	0.48
9.	Intermodal Transport	Mechanical Engineering, undergraduate academic studies	0.19
10.	Traffic and Transport	Engineering Management, undergraduate academic studies	0.60
11.	Management of Traffic and Transport	Engineering Management, undergraduate academic studies	0.90
12.	Technological Design Considerations	Mechanical Constructions, Development and Engineering, master academic studies	1.67
13.	Project Management Tools and Techniques	Engineering Management, master academic studies	0.33
14.	Principles of Investment and Market Segmentations	Engineering Management, master academic studies	0.38
15.	Quantitative Business Methods and Business Documentation	Engineering Management, master academic studies	0.25
16.	Maintenance of Means of Transport	Engineering Management, master academic studies	0.75
17.	Selected Topics in Mechanical Design and Railway Engineering	Mechanical Engineering, doctoral academic studies	0.29
18.	Tribology in Mechanical Engineering	Mechanical Engineering, doctoral academic studies	0.18
19.	Design of Railway Vehicles	Mechanical Engineering, doctoral academic studies	0.36
20.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22
21.	Design of Diagnostic System	Mechanical Engineering, doctoral academic studies	0.44
22.	Maintenance of Railway Vehicles	Mechanical Engineering, doctoral academic studies	0.23
23.	Selected Topics in Welding Technology	Mechanical Engineering, doctoral academic studies	0.08

Representative references

1.	M. Milosevic, D. Stamenkovic, A. Milojevic, M. Tomic: Modeling Thermal Effects in Braking Systems of Railway Vehicles, **Thermal Science** 2012, vol. 16, Society of Thermal Engineers of Serbia, 2012. ISBN 0354-9836
2.	M. Banić, D. Stamenković, V. Miltenović, M. Milošević, M. Rackov: Prediction of Heat Generation in Rubber or Rubber-Metal Springs, **Thermal Science** 2012, vol. 16, Society of Thermal Engineers of Serbia, 2012. ISBN 0354-9836
3.	D.Stamenković, M. Milošević, M. Mijajlović, M. Banić: Recommendations for the estimation of the strength of the railway wheel set press fit joint, Proceedings of the Institution of Mechanical Engineers, Part F, **Journal of Rail and Rapid Transit**, Volume 226, Issue 1, 2012. ISSN 0954-4097.
4.	D.Stamenković, M. Milošević, M. Mijajlović, M. Banić: Estimation of the static friction coefficient for press fit joints; **Journal of the**

	Balkan Tribological Association, No.3, 2011. ISSN 1310-4772
5.	M. Mijajlović, D. Milčić, D. Stamenković, A. Živković: Mathematical Model for Generated Heat Estimation During Plunging Phase of the FSW Process, **TRANSACTIONS OF FAMENA**, Faculty of mechanical engineering and naval architecture Zagreb, Croatia, (Volume 35, No.1, 2011). ISSN 1333-1124
6.	Stamenković D: **Održavanje železničkih vozila [Maintenance of Railway Vehicles]**, udžbenik, ISBN 978-86-6055-013-4, Mašinski fakultet Niš, 2011.
7.	D.Stamenković, M.Milošević, S.Jovanović, M.Banić, D.Jovanović: Experimental investigation of railway vehicles dynamic characteristics, **The International Conference Mechanical Engineering in XXI Century**, Niš 2010. ISBN 978-86-6055-008-0
8.	D.Stamenković, M.Milošević, S.Jovanović, M.Banić, D.Jovanović: **Experimental investigation of railway vehicles dynamic characteristics,** The International Conference Mechanical Engineering in XXI Century, Niš 2010. ISBN 978-86-6055-008-0
9.	D.Stamenković, M.Milošević: Friction at rubber-metal spring, **SERBIATRIB '09 – 11th International Conference on Tribology**, str. 215-219, Beograd 2009. ISBN 978-86-7083-659-4
10.	M. Đurđanović, M. Mijajlović, D. Milčić, D. Stamenković: **Heat Generation During Friction Stir Welding Process,** TRIBOLOGY IN INDUSTRY, Volume 31, No. 1&2, 2009. ISSN 0354-8996, p.p. 36-42.
11.	M.Milošević, D.Stamenković, A.Milošević: **Research of absorbed energy of rail vehicle buffers filled with rubber-metal springs,** 18th International Conference „CURRENT PROBLEMS IN RAIL VEHICLES – PRORAIL 2007" p.p.81-88, Žilina, Slovakia, 2007. ISBN 979-80-89276-07-3
12.	D.Stamenković, M.Đurđanović, D.Mitić: **Zavarivanje postupkom FSW [FSW Welding Process],** ZAVARIVANJE I ZAVARENE KONSTRUKCIJE (2/2006) ISSN 0354-7965, str. 59-66.
13.	Stamenković D, Đurđanović M: **Tribologija presovanih spojeva, monografija [Tribology of Press Fit Joints]**, monografija, ISBN 86-80587-48-6, Mašinski fakultet Niš, 2005.
14.	D.Stamenković, D.Mandić: **Monitoring Methods in Railway Vehicles Maintenance,** Proceedings of the 16th International Conference "CURRENT PROBLEMS IN RAIL VEHICLES - PRORAIL 2003" Žilina, Slovakia 2003.
15.	D.Stamenković: **Calculation of the Static Friction Coefficient,** Proceedings of the BALKANTRIB 2002, Kayseri Turkey, 2002. 612-616.
16.	D.Stamenković, S.Jovanović, M.Milošević: **Investigation of the Press Fit Joints by the Tribology Aspect,** FACTA UNIVERSITATIS Mechanical Engineering Vol.1 N8, 2001, pp.1057-1064
17.	Mandić D, Stamenković D: Necessity of bringing up-to-date the UIC Standards for Railway Vehicles, **World Congress on Railway Research**, Cologne Germany, 2001
18.	B. Ivković, M. Đurđanović, D. Stamenković: **The Influence of the Contact Surface Roughness on the Static Friction Coefficient**, "The First Mediterranean Tribology Conference", Jerusalem 2000.
19.	Ž.Živković, D.Stamenković, M.Đurđanović, S.Jovanović: **Koeficijent prionljivosti kod uzdužno presovanih sklopova [Friction Coefficient of Force Fit Joints],** "TRIBOLOGIJA U INDUSTRIJI" br.3-1996. str.107-117.
20.	D.Stamenković, S.Radenković, M.Milić, S.Mladenović: **Gumeno-metalni elementi kod elektrolokomotiva [Rubber-metal springs of electric locomotives],** "ŽELEZNICE" br.2-1995. str.151-159.

Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations	7 (www.scopus.com)	
Total number of papers on the SCI (SSCI) list	5	
Current participation in projects	**Domestic:** 1	**International:** 2
Professional development:		
Other information considered relevant: Manager of 2 projects funded of Ministry of science, manager of 5 projects funded of domestic Industry.		

First name, middle initial, surname	Dragan S Milčić		
Rank	Full professor		
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 1989		
Specialized scientific or artistic field	Mechanical Design		
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2011	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2001	Faculty of Mechanical Engineering in Niš	Mechanical Design
Specialization			
Magister Degree	1993	Faculty of Mechanical Engineering in Niš	Mechanical Design
Dipl.-Ing. Degree	1981	Faculty of Mechanical Engineering in Niš	Energy Engineering

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Machine Elements 1	Mechanical Engineering, undergraduate academic studies	2.00
2.	Machine Elements 2	Mechanical Engineering, undergraduate academic studies	2.00
3.	CAD – Geometric Modelling	Mechanical Engineering, undergraduate academic studies	1.00
4.	Virtual Design	Mechanical Engineering, undergraduate academic studies	0.42
5.	Reliability in Mechanical Engineering	Mechanical Engineering, undergraduate academic studies	0.21
6.	Software Development	Mechanical Engineering, undergraduate academic studies	0.21
7.	Mechanical Engineering Design	Mechanical Engineering, undergraduate academic studies	0.08
8.	System Effectiveness	Engineering Management, undergraduate academic studies	0.75
9.	Project Management	Engineering Management, undergraduate academic studies	0.45
10.	Tools and Technologies in Product Development	Mechanical Constructions, Development and Engineering, master academic studies	0.75
11.	Industrial Design	Mechanical Constructions, Development and Engineering, master academic studies	0.33
12.	Project Management Tools and Techniques	Engineering Management, master academic studies	0.33
13.	Project Management Software	Engineering Management, master academic studies	0.50
14.	Project and Investment Management	Engineering Management, master academic studies	0.75
15.	Selected Topics in Mechanical Design and Railway Engineering	Mechanical Engineering, doctoral academic studies	0.29
16.	Innovation Management	Mechanical Engineering, doctoral academic studies	0.12
17.	Reliability Engineering	Mechanical Engineering, doctoral academic studies	0.18
18.	Virtual Product Development	Mechanical Engineering, doctoral academic studies	0.18
19.	Geared Power Transmission	Mechanical Engineering, doctoral academic studies	0.18
20.	Decision Methods	Mechanical Engineering, doctoral academic studies	0.18
21.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22
22.	Selected Topics in Welded Structures	Mechanical Engineering, doctoral academic studies	0.08
23.	Software Development	Mechanical Engineering, doctoral academic studies	0.11
24.	Selected Topics in Welding Technology	Mechanical Engineering, doctoral academic studies	0.08

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1. Vojislav Miltenović, Dragan Milčić: **Proračun mašinskih elemenata pomoću računara**, **[Computer-aided calculation of machine elements],** Univerzitet u Nišu, Mašinski fakultet u Nišu, Niš, 1997.

2. Milčić Dragan: **Pouzdanost mašinskih sistema**, **[Reliability in Mechanical Engineering],** Univerzitet u Nišu, Mašinski fakultet u Nišu, Niš, 2005.

3. Andjelkovic Boban, Milcic Dragan, Janosevic Dragoslav, Milovancevic Milos: **Modified Neural Network-based Study Into the Coefficient of Friction in Pressed Assemblies**, TRANSACTIONS OF FAMENA, (2010), vol. 34 br. 3, str. 29-38

4. Mijajlovic Miroslav, Milcic Dragan, Stamenkovic Dusan, Zivkovic Aleksandar: **Mathematical Model for Generated Heat Estimation During the Plunging Phase of FSW Process**, TRANSACTIONS OF FAMENA, (2011), vol. 35 br. 1, str. 39-54

5.	Mijajlović Miroslav, Milčić Dragan, Anđelković Boban, Vukićević Miomir, Bjelić Mišo: **Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 1**, Journal of Balkan Tribological Association, Vol. 17, No 2, 2011, s. 179-191, ISSN 1310-4772, Sofia, Bulgaria, 2011.
6.	Mijajlović Miroslav, Milčić Dragan, Anđelković Boban, Vukićević Miomir, Bjelić Mišo: **Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 2**, Journal of Balkan Tribological Association, Vol. 17, No 3, 2011, s. 361-370, ISSN 1310-4772, Sofia, Bulgaria, 2011.
7.	Milčić Dragan, Miladinović Slobodan, Mijajlović Miroslav, Marković Biljana, **Determination of Load Spectrum of Bucket Wheel Excavator SRs 1300 in Coal Strip Mine Drmno** TRANSACTIONS OF FAMENA, (2013), vol. 37 br. 1, s. 77-88
8.	Živković Dragoljub, Milčić Dragan, Banić Milan, Milosavljević Pedja, **Thermomechanical Finite Element Analysis of Hot Water Boiler Structure**, THERMAL SCIENCE, (2012), vol. 16 br. , str. S. 387-398
9.	Milcic Dragan, Mijajlovic Miroslav, Pavlovic Nenad, Vukic Mica, Mancic Dragan: **Temperature Based Validation of the Analytical Model for the Estimation of the Amount of Heat Generated During Friction Stir Welding**, THERMAL SCIENCE, (2012), vol. 16 br. , str. S337-S350
10.	Milčić Dragan, Anđelković Boban, Mijajlović Miroslav: **Decisions making in design process – examples of artificial inteligence application**, Machine design, The editor of the monograph prof. phd. Siniša Kuzmanović, On the occasion of the 47th anniversary of the Faculty of Tehnical Sciences, Novi Sad, 2007., s. 13-20.
11.	Milčić Dragan, Miltenović Vojislav: **Design of Gear Drives as Virtual Process**, The International Conference on Gears 2005, September 14th to 16th, 2005, Garching near Munich, Germany, VDI-Berichte Nr. 1904, 2005, s.399-415.
12.	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.
13.	Milčić Dragan, Anđelković Boban, Mijajlović Miroslav: **Automatisation of power transmitterćs design process within ZPS systen**, Machine design, The editor of the monograph prof. phd. Siniša Kuzmanović, On the occasion of the 48th anniversary of the Faculty of Tehnical Sciences, Novi Sad, 2008., s. 1-8.
14.	Mijajlović Miroslav, Milčić Dragan: **Analiza fazi pouzdanosti mašinskih sistema [***Analysis of Fuzzy Reliability of The Machine Systems***]**, IMK-14 Istraživanje i razvoj, Časopis instituta IMK "14. Oktobar" Kruševac, Godina XV, Broj (30-31), 1-2. 2009. s. 107-114. ISSN 0354-6829.
15.	Milan Radojević, Milčić Dragan, Mijajlović Miroslav*:* **Parametric Modeling Applied In Wood Furniture Manufacturing**, Proceedings / The Sixth International Symposium about Forming and Design in Mechanical Engineering, KOD 2010, 29-30 September 2010, Palić, Serbia. Pp. 253. – 260, COBISS.SR-ID 255525127, ISBN 978-86-7892-278-7.
16.	Djurić Sava, Milčić Dragan, Mijajlović Miroslav, Mitić Dragan*:* **Model of Welding Technology for Reconstruction of Heating Station System**, Proceedings / The 2nd South – East European IIW International Congress: Welding – High Tech Technology in 21st Century, Sofia, Bulgaria, October, 21st – 24th, 2010, 295 – 300. page, ISBN 978-954-9322-25-5.
17.	Miroslav Mijajlović, Dragan Milčić, Vera Nikolić-Stanojević, Miodrag Milčić: **Numerical Simulation of Friction Stir Welding on AA 2024 T351 Plates,** Scientific Publications of the State University of Novi Pazar, Series A: Applied Mathematics, Informatics and Mechanics, No 2, Volume 4, 2012, pp. 65-70, ISSN 2217-5539
18.	Mijajlović Miroslav, Milčic Dragan, **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 Kovacevic (Ed.), InTech, DOI: 10.5772/53563. ISBN: 978-953-51-0854-2 Publisher: InTech http://www.intechopen.com/books/welding-processes/analytical-model-for-estimating-the-amount-of-heat-generated-during-friction-stir-welding-applicatio

Cumulative data on scientific, or artistic, and professional activities of the professor				
Total number of citations	11			
Total number of papers on the SCI (SSCI) list	8			
Current participation in projects	Domestic:	2	International:	2
Professional development:				
Other information considered relevant:				

First name, middle initial, surname	Miloš D Milovančević
Rank	Assistant professor
Name of the institution where the professor is employed full-time and since when	Faculty of Mechanical Engineering in Niš, 2011
Specialized scientific or artistic field	Mechanical Design

Academic career	Year	Institution	Field
Election to the rank	2011	Faculty of Mechanical Engineering in Niš	Mechanical Design
Doctorate	2011	Faculty of Education for Senior Business Executives	Management and Business Economics
Doctorate	2010	Faculty of Mechanical Engineering in Niš	Mechanical Design
Specialization			
Magister Degree	2006	Faculty of Mechanical Engineering in Niš	Mechanical Design
Dipl.-Ing. Degree	2003	Faculty of Mechanical Engineering in Niš	Mechanical Design

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Technical Diagnostics	Mechanical Engineering, undergraduate academic studies	0.25
2.	Basics of Product Development	Mechanical Engineering, undergraduate academic studies	0.23
3.	Mechanical Engineering Design	Mechanical Engineering, undergraduate academic studies	0.08
4.	Macroeconomics	Engineering Management, undergraduate academic studies	0.50
5.	Marketing	Engineering Management, undergraduate academic studies	2.50
6.	Human Resources Management	Engineering Management, undergraduate academic studies	0.25
7.	Entrepreneurship	Engineering Management, undergraduate academic studies	1.25
8.	Business Law	Engineering Management, undergraduate academic studies	1.00
9.	Project Management	Engineering Management, undergraduate academic studies	0.45
10.	International Project Management	Mechanical Constructions, Development and Engineering, master academic studies	0.50
11.	Communication and Presentation Techniques	Mechanical Constructions, Development and Engineering, master academic studies	0.33
12.	International Project Management	Engineering Management, master academic studies	0.50
13.	Project Human Resources Management	Engineering Management, master academic studies	0.25
14.	International Marketing and Branding	Engineering Management, master academic studies	0.88
15.	Business Etiquette	Engineering Management, master academic studies	0.88
16.	Public Relations	Engineering Management, master academic studies	1.25
17.	Innovation Management	Mechanical Engineering, doctoral academic studies	0.12
18.	Integral Product Development	Mechanical Engineering, doctoral academic studies	0.18
19.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22

Representative references

1.	*Milovančević, M., Milenković D., Troha S.:* **The optimization of the vibrodiagnostic method applied on turbo machines.** TRANSACTIONS OF FAMENA XXXIII-3 (2009), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124 s. 63-71, Zagreb 2009
2.	*Milovančević, M., Stefanović Marinović J., Anđelković B. Veg A.:* **Embedded condition monitoring of power transmission of a pellet mill.** TRANSACTIONS OF FAMENA XXXIIII-2 (2010), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, Zagreb 2010
3.	*B. Anđelković, D. Milčić, D. Janošević, M. Milovančević:* **Modified Neural network-based study into the coefficient of friction in pressed assemblies.** TRANSACTIONS OF FAMENA XXXIV-3 (2010), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, Zagreb 2010
4.	*J. Stefanović Marinović, M. Petković, I. Stanimirović, M. Milovančević*: A Model of planetary gear multicriteria optimization. TRANSACTIONS OF FAMENA XXXV-3 (2011), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, pp. 21-34 Zagreb 2011.
5.	J. Stefanović Marinović, M. Milovančević The Optimization Possibilities at the Planetary Gear Trains, Journal of Mechanics

	Engineering and Automation (JMEA), a professional journal published across the United States by David Publishing Company, USA, ISSN: 2159-5275, Volume 2, Number 6, June 2012
6.	*S. Troha, N. Lovrin, M. Milovančević*: Selection of the two-carrier shifting planetary gear train controlled by clutches and brakes. TRANSACTIONS OF FAMENA XXXVI-3 (2012), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, pp. 01-12 Zagreb 2012.
7.	*A. Miltenović, V. Nikolić, M. Milovančević, M. Banić:* Experimental and FEM investigation of wear of crossed helical gears. TRANSACTIONS OF FAMENA XXXVI-4 (2012), Faculty of mechanical engineering and naval architecture, ISSN 1333-1124, pp. 01-12 Zagreb 2012.
8.	J. Stefanović Marinović, M. Milovančević The Optimization Possibilities at the Planetary Gear Trains, Journal of Mechanics Engineering and Automation (JMEA), a professional journal published across the United States by David Publishing Company, USA, ISSN: 2159-5275, Volume 2, Number 6, June 2012
9.	Jelena Stefanović Marinović, Miloš Milovančević, Boban Anđelković: Planetary gear transmissions optimization in the case of particular criteria preferences. The seventh international triennial conference Heavy Machinery HN 2011, Vrnjačka Banja 29 juna-2 jula 2011
10.	B. Andjelković, J. Stefanović Marinović, M. Milovančević, B. Djordjević: Dynamic modeling and control of the wind turbine gearbox using fuzzy logic controller. XI international conference on system, automatic control and measurement SAUM 2012 November 14-16, 2012 ISBN 978-86-6125-072-9, pp 185-188.
11.	Miloš Milovančević, Jelena Stefanović Marinović: Application of PIC microcontrollers in embedded systems for vibration monitoring, Monograph Machine Design 2011: (ISSN 1821-1259); pp. 225 – 228, Faculty of Technical Sciences; Novi Sad; 2011.
12.	Jelena Stefanović Marinović, Miloš Milovančević: Planetary gear transmission optimization with equal priority functions, Monograph Machine Design 2011: (ISSN 1821-1259); pp. 99 – 104, Faculty of Technical Sciences; Novi Sad; 2011.
13.	Miloš Milovančević, Jelena Stefanović Marinović, Boban Andjelković: Axiomatic design of signal analyses, Monograph Machine Design 2012: (ISSN 1821-1259); pp. 53 – 58, Faculty of Technical Sciences; Novi Sad; 2012.
14.	Milovančević M., B. Anđelković.: "Savremeni tehnike monitoringa stanja radne ispravnosti vetro-genetarora" [The modern techniques of working condition monitoring of wind-generators]. Naučno-stručni časopis „Istraživanja i projektovanja za privredu". ISSN 1451-4117 Br.1. 2010. str. 33-38
15.	Monograph: Savremeni koncept vibrodijagnostike rotacionih mašina [Modern concepts of rotary machines vibro diagnostic], author Miloš Milovančević, Fondacija Andrejević, Beograd 2011,ISSN 0354-7671;295, ISBN 978-86-7244-960-0
16.	University book: Tehnička dijagnostika [Technical diagnostics], author Miloš D. Milovančević. - Niš: Faculty of Mechanical Engineering, 2011, ISBN 978-86-6055-026-4

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	5		
Total number of papers on the SCI (SSCI) list	6		
Current participation in projects	**Domestic:** 1	**International:**	3
Professional development:			
Other information considered relevant:			

First name, middle initial, surname			Miroslav M. Mijajlović	
Rank			Assistant professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 2008	
Specialized scientific or artistic field			Mechanical Constructions, Development and Engineering	
Academic career	***Year***	***Institution***		***Field***
Election to the rank	2012	Faculty of Mechanical Engineering in Niš		Mechanical Constructions, Development and Engineering
Doctorate	2012	Faculty of Mechanical Engineering in Niš		Mechanical Constructions, Development and Engineering
Specialization				
Magister Degree				
Dipl.-Ing. Degree	2004	Faculty of Mechanical Engineering in Niš		Mechanical Constructions, Development and Engineering

List of courses taught by the professor at all levels of studies

	Course name	***Study programme name, type of studies***	***Act. Teach. Class. (load)***
1.	Welded Mechanical Structures	Mechanical Engineering, undergraduate academic studies	0.83
2.	Virtual Design	Mechanical Engineering, undergraduate academic studies	0.42
3.	Welding Technologies	Mechanical Engineering, undergraduate academic studies	1.00
4.	Reliability in Mechanical Engineering	Mechanical Engineering, undergraduate academic studies	0.21
5.	Software Development	Mechanical Engineering, undergraduate academic studies	0.52
6.	Mechanical Engineering Design	Mechanical Engineering, undergraduate academic studies	0.08
7.	Quality of Welded Structures	Mechanical Engineering, undergraduate academic studies	0.58
8.	System Effectiveness	Engineering Management, undergraduate academic studies	1.00
9.	Human Resources Management	Engineering Management, undergraduate academic studies	0.50
10.	Design	Engineering Management, undergraduate academic studies	0.20
11.	Tools and Technologies in Product Development	Mechanical Constructions, Development and Engineering, master academic studies	0.75
12.	International Project Management	Mechanical Constructions, Development and Engineering, master academic studies	1.00
13.	Virtual Product Development	Mechanical Constructions, Development and Engineering, master academic studies	1.50
14.	Industrial Design	Mechanical Constructions, Development and Engineering, master academic studies	0.33
15.	Principles of Investment and Market Segmentations	Engineering Management, master academic studies	0.5
16.	Quantitative Business Methods and Business Documentation	Engineering Management, master academic studies	0.50
17.	Selected Topics in Mechanical Design and Railway Engineering	Mechanical Engineering, doctoral academic studies	0.29
18.	Tribology in Mechanical Engineering	Mechanical Engineering, doctoral academic studies	0.18
19.	Reliability Engineering	Mechanical Engineering, doctoral academic studies	0.18
20.	Lightweight Design	Mechanical Engineering, doctoral academic studies	0.18
21.	Virtual Product Development	Mechanical Engineering, doctoral academic studies	0.18
22.	Multidomain Simulation and Model-Based Design in Product Development	Mechanical Engineering, doctoral academic studies	0.18
23.	Metrology and Design of Experiments	Mechanical Engineering, doctoral academic studies	0.22
24.	Selected Topics in Welded Constructions	Mechanical Engineering, doctoral academic studies	0.08
25.	Software Development	Mechanical Engineering, doctoral academic studies	0.11
26.	Selected Topics in Welding Technologies	Mechanical Engineering, doctoral academic studies	0.08

Representative references

1. Miroslav Mijajlović and Dragan Milčic (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

2. Mijajlović Miroslav, Milčić Dragan, Stamenković Dušan, Živković Aleksandar: Mathematical Model for Generated Heat Estimation

	During Plunging Phase of FSW Process, **Transactions of Famena**, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, XXXV-1/2011, April 2011, pp 39 - 54, ISSN 1333-1124, UDC 621.791.1
3.	Stamenković Dušan, Milošević Miloš, Mijajlović Miroslav, Banić Milan: Estimation of The Static Friction Coefficient for Press Fit Joints; **Journal of Balkan Tribological Association**, Vol. 17, No 3, 2011, pp. 341-355, ISSN 1310-4772, Sofia, Bulgaria, 2011
4.	Stamenković Dušan, Milošević Miloš, Mijajlović Miroslav, Banić Milan: Recommendations for the Estimation of the Strength of the Railway Wheel Set Press Fit Joint, Ref. JRRT375R2, Proceedings of the Institution of Mechanical Engineers, Part F, **Journal of Rail and Rapid Transit**, pp. 48-61, 2012
5.	Mijajlović Miroslav, Milčić Dragan, Anđelković Boban, Vukićević Miomir, Bjelić Mišo: Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 1, **Journal of Balkan Tribological Association**, Vol. 17, No 2, 2011, pp. 179-191, ISSN 1310-4772, Sofia, Bulgaria, 2011
6.	Mijajlović Miroslav, Milčić Dragan, Anđelković Boban, Vukićević Miomir, Bjelić Mišo: Mathematical Model for Analytical Estimation of Generated Heat During Friction Stir Welding. Part 2, **Journal of Balkan Tribological Association**, Vol. 17, No 3, 2011, pp. 361-370, ISSN 1310-4772, Sofia, Bulgaria, 2011
7.	Mijajlović Miroslav, Milčić Dragan: Analiza fazi pouzdanosti mašinskih sistema [Analysis of fuzzy reliability of machine systems], IMK-14 Istraživanje i razvoj, **Časopis instituta IMK "14. Oktobar" Kruševac**, Godina XV, Broj (30-31), 1-2. 2009, s. 107-114. ISSN 0354-6829
8.	Milan Radojević, Milčić Dragan, Mijajlović Miroslav: Parametric Modeling Applied In Wood Furniture Manufacturing, Proceedings / **The Sixth International Symposium about Forming and Design in Mechanical Engineering, KOD 2010**, 29-30 September 2010, Palić, Serbia. Pp. 253. – 260, COBISS.SR-ID 255525127, ISBN 978-86-7892-278-7
9.	Djurić Sava, Milčić Dragan, Mijajlović Miroslav, Mitić Dragan: Model of Welding Technology for Reconstruction of Heating Station System, Proceedings / **The 2nd South – East European IIW International Congress: Welding – High Tech Technology in 21st Century**, Sofia, Bulgaria, October, 21st – 24th, 2010, 295 – 300. page, ISBN 978-954-9322-25-5
10.	Mijajlović Miroslav, Stamenković Dušan, Đurđanović Miroslav, Milčić Dragan: About The Influence of Friction Coefficient on Heat Generation During Friction Stir Welding, **SERBIATRIB '11, 12th International Conference on Tribology**, 11th - 13th May 2011, Kragujevac, Serbia, Proceedings, pp. 234-239, ISBN 978-86-86663-74-0
11.	Milčić Dragan, Miladinović Slobodan, Mijajlović Miroslav, Marković Biljana.: Determination of the Bucket Wheel Excavator SRs 1300 Load Spectrum in the Coal Strip Mine Drmno, **Transactions of Famena**, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, XXXVII-1/2013, April 2013, pp 77 - 88, ISSN 1333-1124, UDC 621.791.1
12.	Milčić Dragan, Mijajlović Miroslav, Pavlović Nenad, Vukić Mića, Mančić Dragan: Temperature Based Validation of the Analytical Model for the Estimation of the Amount of Heat Generated During Friction Stir Welding, **Thermal Science**, International Scientific Journal, Volume 16, Issue Supplement 2, S337-S350, Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia, 2012, ISSN 2334-7163/ ISSN 0354-9836, UDC 621.1, COBISS.SR-ID 150995207, DOI: 10.2298/TSCI120209173M
13.	Mijajlović Miroslav, Pavlović Nenad, Jovanović Slobodan, Jovanović Dragan, Milčić Miodrag: Experimental Studies of Parameters Affecting the Heat Generation in Friction Stir Welding Process, **Thermal Science**, International Scientific Journal, Journal, Volume 16, Issue Supplement 2, S351-S362, Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia, 2012, ISSN 2334-7163/ ISSN 0354-9836, UDC 621.1, COBISS.SR-ID 150995207, DOI: 10.2298/TSCI120430174M
14.	Mijajlović Miroslav, Milčić Dragan, Đurđanović Miroslav, Grabulov Vencislav, Perović Milenko: 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, godina LVII, broj 2, 61-68, Društvo za unapređivanje zavarivanja u Srbiji (DUZS), Beograd, Srbija, 2012, ISSN 0354-7965, UDC: 629.791.13, COBISS.SR-ID 105396743
15.	Živković Dragoljub, Milčić Dragan, Banić Milan, Mijajlović Miroslav: 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 - ECOS 2011**, Book of Proceedings, 1351-1362, University of Niš, Faculty of Mechanical Engineering Niš, Novi Sad, Serbia, 04.07.2011.-07.07.2011., ISBN 978-86-6055-016-5, COBISS.SR-ID 184846604

Cumulative data on scientific, or artistic, and professional activities of the professor

Total number of citations	12 (www.scopus.com)		
Total number of papers on the SCI (SSCI) list	9		
Current participation in projects	**Domestic:** 2	**International:**	2
Professional development:			
Other information considered relevant:			

First name, middle initial, surname			Dragan Z. Marinković	
Rank			Associate professor	
Name of the institution where the professor is employed full-time and since when			Faculty of Mechanical Engineering in Niš, 2000	
Specialized scientific or artistic field			Transport technique and logistics	
Academic career	*Year*	*Institution*		*Field*
Election to the rank	2013	Faculty of Mechanical Engineering in Niš		Transport Engineering and Logistics
Doctorate	2006	Otto Von Guericke University Magdeburg		Structural Analysis
Specialization				
Magister Degree				
Dipl.-Ing. Degree	1999	Faculty of Mechanical Engineering in Niš		Mechanical Structures and mechanization

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Modern Engineering Systems	Engineering Management, undergraduate academic studies	0.38
2.	Structural Dynamics of Transport Systems	Traffic Engineering, Transport and Logistics, master academic studies	0.67
3.	Selected Topics in Logistics and Transport Systems	Mechanical Engineering, doctoral academic studies	0.35
4.	Nonlinear FEM Structural Analysis in Transport Engineering	Mechanical Engineering, doctoral academic studies	0.36

Representative references

1.	Marinković D.: A NEW FINITE COMPOSITE SHELL ELEMENT FOR PIEZOELECTRIC ACTIVE STRUCTURES, scientific monograph, Otto-von-Guericke Universität Magdeburg, Fortschritt-Berichte VDI, Reihe 20: Rechnerunterstützte Verfahren, Nr. 406, Düsseldorf, 2007. (M12)
2.	Marinković D., Köppe H., Gabbert U.: NUMERICALLY EFFICIENT FINITE ELEMENT FORMULATION FOR MODELING ACTIVE COMPOSITE LAMINATES, **Mechanics of Advanced Materials and Structures,** Vol. 13, No. 5, 2006, pp. 379 ÷ 392 (M21)
3.	Marinković D., Köppe H., Gabbert U.: ACCURATE MODELING OF THE ELECTRIC FIELD WITHIN PIEZOELECTRIC LAYERS FOR ACTIVE COMPOSITE STRUCTURES, **Journal of Intelligent Material Systems and Structures,** Vol. 18, No. 5, 2007, pp. 503 ÷ 513 (M21)
4.	Marinković D., Köppe H., Gabbert U.: DEGENERATED SHELL ELEMENT FOR GEOMETRICALLY NONLINEAR ANALYSIS OF THIN-WALLED PIEZOELECTRIC ACTIVE STRUCTURES, **Smart Materials and Structures,** Vol. 17, 015030, 2008, (M21)
5.	Marinković D., Köppe H. Gabbert U.: ASPECTS OF MODELING PIEZOELECTRIC ACTIVE THIN-WALLED STRUCTURES, **Journal of Intelligent Material Systems and Structures**, Vol. 20, No. 15, 2009, pp. 1835 ÷ 1844. (M21)
6.	Marinković D., Marinković Z.: FEM AND RITZ METHOD – A PIEZOELECTRIC ACTIVE SHELL CASE STUDY, **Transactions of FAMENA**, Vol. 35, No. 3, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, 2011, pp. 39 ÷ 48. (M23)
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8.	Nestorović T., Marinković D., Chandrashekar G., Marinković Z., Trajkov M.: IMPLEMENTATION OF A USER DEFINED PIEZOELECTRIC SHELL ELEMENT FOR ANALYSIS OF ACTIVE STRUCTURES, **Finite Elements in Analysis and Design**, Volume 52, 2012, pp. 11 ÷ 22. (M22)
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10.	Marinković D., Zehn M., Marinković Z.: FINITE ELEMENT FORMULATIONS FOR EFFECTIVE COMPUTATIONS OF GEOMETRICALLY NONLINEAR DEFORMATIONS, **Advances in Engineering Software**, Vol 50, Elsevier, 2012, pp. 3 ÷ 11. (M22)
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12.	Petrović G., Marinković D., Ćojbašić Ž.: OPTIMAL PREVENTIVE MAINTENANCE OF REFUSE COLLECTION VEHICLES USING PROBABILISTIC AND COMPUTATIONAL INTELLIGENCE APPROACH, **Scientific Research and Essays, Academic Journals, India**, Vol. 16, $N^0 6$, 2011, pp. 3485 ÷ 3497. (M23)
13.	Petrović G., Marinković Z., Marinković D.: OPTIMAL PREVENTIVE MAINTENANCE MODEL OF COMPLEX DEGRADED SYSTEMS: A REAL LIFE CASE STYDY, **Journal of Scientific & Industrial Research**, Vol. 70, 2011, pp. 412 ÷ 420. (M23)
14.	Marinković D., Zehn M., Marinković Z.: A FEM-FORMULATION FOR VIRTUAL REALITY APPLICATIONS, **Strojarstvo**, Vol. 54, No 3, 2012, pp. 179 ÷ 187. (M23)
15.	Marković D., Petrović G. Marinković D., Ćojbašić Ž.: METAHEURISTIC MAINTENANCE OPTIMIZATION OF REFUSE COLLECTION VEHICLES COMPARATIVE ANALYSIS USING TAGUCHI EXPERIMENTAL DESIGN, **Transactions of FAMENA**, University of Zagreb Faculty of mechanical Engineering and Naval Architecture, Vol. 36, No 4, 2012, pp. 25 ÷ 38.

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16.	Marinković D., Marinković Z., Petrović G.: ON EFFICIENCY OF A SINGLE-LAYER SHELL ELEMENT FOR COMPOSITE LAMINATED STRUCTURES, **Facta Universitatis, Series Mechanical Engineering**, Vol. 10, No. 2, University of Niš, Niš, 2012., pp. 115 ÷ 122.
17.	Zehn M., Marinković D., Löwis P.: EXPERIMENTAL AND ANALYTICAL MODAL ANALYSIS OF CARBON FIBRE REINFORCED COMPOSITE STRUCTURES, **International Conference on Noise and Vibration Engineering**, ISMA 2008, Proceedings-CD, Leuven, Belgium, 2008.
18.	Marinković D., Zehn M.: FE-FORMULATIONS FOR FAST COMPUTATION OF LARGE AND MODERATELY LARGE DEFORMATIONS, **The 10th International Conference on Computational Structures Technology** (CST2010), Valencia, Spain, Proceedings-CD, 2010.
19.	Marinković D., Zehn M.: EFFICIENT MBS-FEM INTEGRATION FOR STRUCTURAL DYNAMICS**, World Congress on Advances in Civil, Environmental, and Materials Research** (ACEM'12), Seoul, 2012., pp 323 ÷ 332.
20.	Marinković D., Zehn M.: AN OVERVIEW OF HIGHLY EFFICIENT INTERACTIVE FEM MODELS OF DEFORMABLE STRUCTURES WITH GEOMETRICAL NONLINEARITIES INCLUDED**, XI International Conference on System, Automatic Control and Measurements**, SAUM 2012, Proceedings, University of Niš, Faculty of Electronic Engineering, Faculty of Mechanical Engineering, Niš, 2012, pp. 252 ÷ 259.

Cumulative data on scientific, or artistic, and professional activities of the professor			
Total number of citations	41		
Total number of papers on the SCI (SSCI) list	14		
Current participation in projects	**Domestic:** 3	**International:**	1
Professional development: Fraunhofer Institute in Magdeburg 2002, Otto-von-Guericke University in Magdeburg 2003-2007, Berlin Institute of Technology (TU Berlin) 2008-			
Other information considered relevant: Member of the German Association of Engineers (VDI), Member of the International Association of the Engineering Modelling, Analysis and Simulation Community (NAFEMS), Editor-in-Chief of the journal Facta Universitatis, series Mechanical Engineering			

First name, middle initial, surname		Goran S. Petrović	
Rank		Assistant professor	
Name of the institution where the professor is employed full-time and since when		Faculty of Mechanical Engineering in Niš, 2001	
Specialized scientific or artistic field		Transport Engineering and Logistics	
Academic career	*Year*	*Institution*	*Field*
Election to the rank	2013	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Doctorate	2013	Faculty of Mechanical Engineering in Niš	Transport Engineering and Logistics
Specialization			
Magister Degree	2006	Faculty of Mechanical Engineering in Niš	Transport Engineering
Dipl.-Ing. Degree	2000	Faculty of Mechanical Engineering in Niš	Mechanical Constructions and Mechanization

List of courses taught by the professor at all levels of studies

	Course name	*Study programme name, type of studies*	*Act. Teach. Class. (load)*
1.	Engineering Logistics	Mechanical Engineering, undergraduate academic studies	1.07
2.	Drive Systems	Mechanical Engineering, undergraduate academic studies	0.56
3.	Material Flow	Mechanical Engineering, undergraduate academic studies	0.88
4.	Enterprise Logistics	Mechanical Engineering, undergraduate academic studies	0.91
5.	Maintenance of Mechanical Systems and Transport Vehicles	Mechanical Engineering, undergraduate academic studies	0.50
6.	Transport Networks	Mechanical Engineering, undergraduate academic studies	0.42
7.	Engineering Logistics	Engineering Management, undergraduate academic studies	0.60
8.	Management in Logistics	Engineering Management, undergraduate academic studies	0.90
9.	Operational Research	Traffic Engineering, Transport and Logistics, master academic studies	2.00
10.	Maintenance Management	Traffic Engineering, Transport and Logistics, master academic studies	0.40
11.	Material Flow	Traffic Engineering, Transport and Logistics, master academic studies	1.00
12.	Maintenance of Engineering Systems	Traffic Engineering, Transport and Logistics, master academic studies	0.50
13.	Selected Topics in Logistics and Transport Systems	Mechanical Engineering, doctoral academic studies	0.35
14.	Intelligent Transport Systems	Mechanical Engineering, doctoral academic studies	0.18
15.	Measurement and Monitoring of Transport and Logistics Systems	Mechanical Engineering, doctoral academic studies	0.66
16.	Maintenance Logistics	Mechanical Engineering, doctoral academic studies	0.23

Representative references

1.	Petrović G., Marinković Z., Marinković D., (2011), "Optimal preventive maintenance model of complex degraded systems: A real life case study", **Journal of Scientific and Industrial Research**, 70(6): 412 – 420. (M23 – IF2011: 0,587)
2.	Petrović G., Čojbašić Ž., Marinković D., (2011), "Optimal preventive maintenance of refuse collection vehicles using probabilistic and computational intelligence approach", **Scientific Research and Essays**, 6(16): 3485 – 3497. (M23 – IF2010: 0.445)
3.	Marković D., Madić M., Petrović G., (2012), "Assessing the performance of improved harmony search algorithm (IHSA) for the optimization of unconstrained functions using Taguchi experimental design", **Scientific Research and Essays**, 7(12): 1312 – 1318. (M23 – IF2010: 0.445)
4.	Marinković Z., Marinković D., Petrović G., Milić P., (2012), "Modeling and simulation of dynamic behavior of electric motor driven mechanisms", **Technical Gazette**, 19(4): 717 – 725. (M23 – IF2011: 0.347)
5.	Marković D., Petrović G., Čojbašić Ž., Marinković D., (2012), "A comparative analysis of metaheuristic maintenance optimization of refuse collection vehicles using the Taguchi experimental design", **Transactions of Famena**, 36(4): 25 – 38. (M23 – IF2011: 0.103)
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7.	Marinković Z., Petrović G., (2004), "Processing the lifetime of bucket wheel excavators parts in strip mine technologies", **The Scientific journal FACTA UNIVERZITATIS, Series Mechanical Engineering**, 2(1): 109 – 124.
8.	Marković D., Madić M., Marinković Z., Tomić V., Petrović, G., (2011), "Harmony search and genetic algorithms for engineering optimization: theory and practice", **The VII International Scientific Conference Heavy Machinery, HM 2011**, Proceeding, University of Kragujevac, Faculty of Mechanical Engineering Kraljevo, Vrnjacka Banja, Serbia, E Session pp. 43 – 48.
9.	Milić P., Petrović G., Jovanović M., Marinković Z., (2009), "The Logistic Model of the Optimal Waste Collection System Routing", **XIX International Conference on "MATERIAL HANDLING, CONSTRUCTIONS AND LOGISTICS", MHCL'09**, Belgrade, Proceedings, Mechanical Engineering Faculty University of Belgrade, Belgrade, pp. 229 – 234.
10.	Petrović G., Petrović N., Marinković Z., (2008), "Application of Markov's Theory to Queuing Networks", **The Scientific journal FACTA UNIVERZITATIS, Series Mechanical Engineering**, 6(1): 45 – 56.
11.	Petrović G., (2013), " **Multi-objective optimization of technical systems maintenance process based on probability methods and artificial intelligence**", doctoral dissertation, University of Niš, Faculty of Mechanical Engineering in Niš.
12.	Petrović G., (2006), "**Dynamic Processes simulation of stochastic model of the bucket Wheel of Excavator's driving system**, master thesis, University of Niš, Faculty of Mechanical Engineering in Niš.

Cumulative data on scientific, or artistic, and professional activities of the professor		
Total number of citations	3 (Scopus), 15 (Google scholar)	
Total number of papers on the SCI (SSCI) list	6	
Current participation in projects	**Domestic:** 1	**International:**
Professional development:		

1. Institute of Logistics and Material Handling Systems , OTTO-VON-GUERICKE-UNIVERSITÄT MAGDEBURG Germany, (09.04.2005. - 24.04.2005.), logistics seminar – teaching specialization in logistics;
2. Institute for Material Handling and Logistics (IFL) - University of Karlsruhe, Germany, (01.02.2006. - 01.05.2006.), teaching specialization in logistics.

Other information considered relevant: