

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Antić S. Dragan		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Automatic Control		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2005	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
PhD	1994	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Specialization					
Magister	1991	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Master					
Diploma	1987	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU6O03	Mechatronics	L	Electrical Engineering and Computer Science	BAS
2	4OEU7A02	Fundamentals of Predictive Control	L	Electrical Engineering and Computer Science	BAS
3	4OEU5A01	Software for the Simulation of Dynamical Systems	L	Electrical Engineering and Computer Science	BAS
4	4OEU8B01	Control Systems in Automotive Industry	L	Electrical Engineering and Computer Science	BAS
5	4MUA1B02	Modelling and Simulation in Automotive Industry	L	Control Systems	MAS
6	4MUA2A02	Predictive Control	L	Control Systems	MAS
7	4MEP1A01	Electrical Drive Control	L	Electrical Power Engineering	MAS
8	4MUA1O03	Electrical Drive Control	L	Control Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Staniša Lj. Perić, Dragan S. Antić, Miroslav B. Milovanović, Darko B. Mitić, Marko T. Milojković, Saša S. Nikolić, “Quasi-Sliding Mode Control with Orthogonal Endocrine Neural Network-Based Estimator Applied in Anti-lock Braking System”, IEEE/ASME Transactions on Mechatronics, vol. 21, no. 2, (2016), pp. 754–764. April 2016.				
2	Miroslav B. Milovanović, Dragan S. Antić, Marko T. Milojković, Saša S. Nikolić, Staniša Lj. Perić, Miodrag D. Spasić, “Adaptive PID Control Based on Orthogonal Endocrine Neural Networks”, Neural Networks, vol. 84, (2016), pp. 80–90. December 2016.				
3	Saša S. Nikolić, Dragan S. Antić, Staniša Lj. Perić, Nikola B. Danković, Marko T. Milojković, “Design of Generalised Orthogonal Filters: Application to the Modelling of Dynamical Systems”, International Journal of Electronics, vol. 103, no. 2, (2016), pp. 269–280. February 2016.				
4	Saša S. Nikolić, Dragan S. Antić, Marko T. Milojković, Miroslav B. Milovanović, Staniša Lj. Perić, Darko B. Mitić, “Application of Neural Networks with Orthogonal Activation Functions in Control of Dynamical Systems”, International Journal of Electronics, vol. 103, no. 4, (2016), pp. 667–685. April 2016.				
5	Miroslav Milovanović, Dragan Antić, Marko Milojković, Saša S. Nikolić, Miodrag Spasić, Staniša Perić, “Time Series Forecasting with Orthogonal Endocrine Neural Network Based on Postsynaptic Potentials”, Journal of Dynamic Systems, Measurement, and Control, vol. 139, no. 4, (2017), pp. 041006-1÷041006-9, DS-15-1656. April 2017.				
6	Nikola B. Danković, Dragan S. Antić, Saša S. Nikolić, Staniša Lj. Perić, Zoran H. Perić, Aleksandar V. Jocić, “The Probability of Stability Estimation of an Arbitrary Order DPCM Prediction Filter: Comparison Between the Classical Approach and the Monte Carlo Method”, Information Technology and Control, vol. 46, no. 2, (2017), pp. 28–38. June 2017.				
7	Staniša Perić, Dragan Antić, Darko Mitić, Saša Nikolić, Marko Milojković, “Generalized Quasi-Orthogonal Polynomials Applied in Sliding Mode Based Minimum Variance Control of ABS”, Acta Polytechnica Hungarica, vol. 17, no. 4, (2020), pp. 165–182. March 2020.				
8	Saša S. Nikolić, Dragan S. Antić, Nikola B. Danković, Aleksandra A. Milovanović, Darko B. Mitić, Miroslav B. Milovanović, Petar S. Djekić, “Generalized Quasi-Orthogonal Functional Networks Applied in Parameter Sensitivity Analysis of Complex Dynamical Systems”, Elektronika ir Elektrotehnika, vol. 28, no. 4, (2022), pp. 19–26. August 2022.				
9	Saša S. Nikolić, Igor B. Kocić, Dragan S. Antić, Darko B. Mitić, Nikola B. Danković, Miroslav B. Milovanović, Petar S. Djekić, “Speed and Tensile Force Control of the Pulling Devices of the Continuous Line”, Thermal Sciences, vol. 27, no. 6A, (2023), pp. 4447–4460. November 2023.				
10	Nikola B. Danković, Zoran H. Perić, Dragan S. Antić, Aleksandar V. Jocić, Saša S. Nikolić, Petar B. Djekić, “Robustness Stability Analysis of Higher-Order DPCM Prediction Filters”, Elektronika ir Elektrotehnika, vol. 30, no. 4, (2024), pp. 43–51. August 2024.				

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	520	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	55	Number of international projects at which the lecturer currently participates	5
Specializations			
Other data considered relevant			
Head of the Control Systems, 1994-1996, 2012 - 2015			
Dean of the Faculty of Electronic Engineering, 2004-2012			
Rector of the University of Nis, 2012-2024			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Danković B. Nikola		
Title			Assistant professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Automatic Control		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2025	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
PhD	2018	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Specialization					
Magister					
Master					
Diploma	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU8O01	SCADA Systems	L, E	Electrical Engineering and Computer Science	BAS
2	4OEU6B01	Advanced Techniques for Modeling of Dynamical Systems	L	Electrical Engineering and Computer Science	BAS
3	4OEP7A04	Automatic Control Systems	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4OEU5A01	Software for the Simulation of Dynamical Systems	L	Electrical Engineering and Computer Science	BAS
5	4OEU6O01	Process Control	E, OFE	Electrical Engineering and Computer Science	BAS
6	4MUA1O03	Electrical Drive Control	E	Control Systems	MAS
7	4MEP1A01	Electrical Drive Control	E	Electrical Power Engineering	MAS
8	4MUA1B01	Flexible Production Systems	L	Control Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Igor Kocić, Goran Mladenović, Saša Nikolić, Darko Mitić, Nikola Danković, Petar Đekić, "Horizontal Boring Mill Machine Feedrate Revitalization with DC Converter and PLC", in New Trends in Engineering Research, Proceedings of the International Conference of Experimental and Numerical Investigations and New Technologies, CNNTech 2023, Series: Lecture Notes in Networks and Systems, vol. 792, Eds. Nenad Mitrovic, Goran Mladenovic, Aleksandra Mitrovic, pp. 320–332, 2024. ISBN: 978-3-031-46431-7, ISSN: 2367-3370, (Doi No: https://doi.org/10.1007/978-3-031-46432-4_27), Publisher: Springer Cham.				
2	Nikola B. Danković, Zoran H. Perić, Dragan S. Antić, Staniša Lj. Perić, Saša S. Nikolić, "Robustness of the Prediction Filter in Differential Pulse Code Modulation System", Electronics and Electrical Engineering, vol. 22, no. 5, 2016, pp. 74-78. Print ISSN: 1392-1215, (Doi No: http://dx.doi.org/10.5755/j01.eie.22.5.16347), Publisher: Kaunas University of Technology. October 2016.				
3	Nikola B. Danković, Dragan S. Antić, Saša S. Nikolić, Staniša Lj. Perić, Marko T. Milojković, "A New Class of Cascade Orthogonal Filters based on a Special Inner Product with Application in Modeling of Dynamical Systems", Acta Polytechnica Hungarica, vol. 13, no. 7, 2016, pp. 63-82. Print ISSN: 1785-8860, (Doi No: http://dx.doi.org/10.12700/APH.13.7.2016.7.4), Publisher: Óbuda University, Hungary. December 2016.				
4	Nikola B. Danković, Dragan S. Antić, Zoran H. Perić, Aleksandar V. Jocić, Saša S. Nikolić, Staniša Lj. Perić, "The Probability of Stability Estimation of an Arbitrary Order DPCM Prediction Filter: Comparison between the Classical Approach and the Monte Carlo Method", Information Technology and Control, vol. 46, no. 2, 2017, pp. 28–38. Print ISSN: 1392-124X, (Doi No: http://dx.doi.org/10.5755/j01.itc.46.2.14038), Publisher: Kaunas University of Technology. June 2017.				
5	Nikola Danković, Dragan Antić, Saša Nikolić, Staniša Perić, Miodrag Spasić, "Generalized Cascade Orthogonal Filters based on Symmetric Bilinear Transformation with Application to Modeling of Dynamic Systems", Filomat, vol. 32, no. 12, 2018, pp. 4275–4284. Print ISSN: 2406-0933, (Doi No: https://doi.org/10.2298/FIL1812275D), Publisher: the Faculty of Sciences and Mathematics, University of Niš. December 2018.				
6	Nikola Danković, Dragan Antić, Saša Nikolić, Marko Milojković, Staniša Perić, "New Class of Digital Malmquist-Type Orthogonal Filters based on Generalized Inner Product; Application to Modeling DPCM System", FACTA UNIVERSITATIS Series: Mechanical Engineering, vol. 17, no. 3, 2019, pp. 385–396., Print ISSN: 0354-2025, (Doi No: https://doi.org/10.22190/FUME190327034D), Publisher: University of Niš. December 2019.				
7	Nikola B. Dankovic, Zoran H. Peric, Dragan S. Antic, Aleksandar V. Jovic, Sasa S. Nikolic, Petar B. Djekic, "Robustness Stability Analysis of Higher-Order DPCM Prediction Filters", Elektronika ir Elektrotechnika, vol. 30, no. 4, 2024, pp. 43–51. Print ISSN: 1392-1215, (Doi No: https://doi.org/10.5755/j02.eie.38254), Publisher: Kaunas University of Technology. August 2024.				
8	Nikola Danković, Zoran Perić, Dragan Antić, Aleksandar Jocić, Saša S. Nikolić, Igor Kocić, "Stability Analysis of the Second-Order DPCM Prediction Filter and Correlation with Signal-to-Ouantization Noise Ratio", FACTA UNIVERSITATIS Series:				

	Mechanical Engineering, Print ISSN: 0354-2025, (Doi No: https://doi.org/10.22190/FUME241024005D), Publisher: University of Niš.		
9	Nikola Danković, Darko Mitić, Marko Milojković, Stanko Stankov, Miroslav Milovanović, "Thermodynamic Model of the Protector Cooling System with Applications", FACTA UNIVERSITATIS Series: Electronics and Energetics, vol. 26, no. 1, 2013, pp. 53-60., Print ISSN: 0353-3670, (Doi No: http://dx.doi.org/10.2298/FUEE1301053D), Publisher: University of Niš. April 2013.		
10	Nikola Danković, Dragan Antić, Zoran Ičić, Stanko Stankov, Dejan Mitić, Marko Živković, "Control System of Steel Battery Charger", FACTA UNIVERSITATIS Series: Automatic Control and Robotics, vol. 16, no. 3, 2017, pp. 241–252., Print ISSN: 1820-6417, (Doi No: https://doi.org/10.22190/FUACR1703241D), Publisher: University of Niš. December 2017.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	40	Number of domestic projects at which the lecturer currently participates	2
Total number of papers on the SCI (SSCI) list	15	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Denić B. Dragan		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Metrology and Measuring Technique		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measuring Technique	
PhD	1996	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measuring Technique	
Specialization					
Magister	1992	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measuring Technique	
Master					
Diploma	1988	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Engineering and Computer Science	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU6A01	Measurement of Non-electrical Quantities	L	Electrical Engineering and Computer Science	BAS
2	4OEM3O03	Metrology of Electrical Quantities	L	Electrical Engineering and Computer Science	BAS
3	4OEE4A02	Metrology of Electrical Quantities	L	Electrical Engineering and Computer Science	BAS
4	4OEP4A02	Metrology of Electrical Quantities	L	Electrical Engineering and Computer Science	BAS
5	4OEU8A01	Computer Based Industrial Measurement Systems	L	Electrical Engineering and Computer Science	BAS
6	4OEK7B07	Computer Systems for Data Acquisition	L	Electrical Engineering and Computer Science	BAS
7	4OEU6B04	Telemetry	L	Electrical Engineering and Computer Science	BAS
8	4MRB2B04	Computer Based Sensor Systems	L	Computer Science and Informatics	MAS
9	4MEP1C03	Computer Based Industrial Measurement Systems	L	Electrical Power Engineering	MAS
10	4MUR2A01	Modern Sensor Technologies and Systems	L	Control Systems	MAS
11	4MUA1B04	Sensors and Transducers in Vehicles	L	Control Systems	MAS
12	4MKK1A01	Telemetry	L	Communications and Information Technologies	MAS
Representative references (at minimum 5, not more than 10)					
1	Denić, D., Miljković, G.: "Code reading synchronization method for pseudorandom position encoders", Sensors and Actuators A: Physical, Elsevier, vol. I, no. 150, pp. 188-191, ISSN 0924-4247, 2009.				
2	Denić D., Stojković I., "Pseudorandom/natural code converter with parallel feedback logic configuration", Electronic Letters, vol. 46, no. 13, pp. 921-U74, 2010.				
3	Živanović D., Lukić J., Denić D.: "A Novel Linearization Method of Sin/Cos Sensor Signals Used for Angular Position Determination", ISSN 1975-0102 Journal of Electrical Engineering and Technology, The Korean Institute of Electrical Engineers, vol. 9, no. 4, pp. 1437 - 1445, 2014.				
4	Jovanović, J., Denić, D.: "A Cost-effective Method for Resolution Increase of the Two-stage Piecewise Linear ADC Used for Sensor Linearization", Measurement Science Review, Walter de Gruyter GmbH, vol. 16, no. 1, pp. 28 - 34, ISSN 1335-8871, 2016.				
5	Denić, D., Dinčić, M., Miljković, G., Perić, Z.: "A contribution to the design of fast code converters for position encoders", International Journal of Electronics, Taylor & Francis, Vol. 103, No. 10, pp. 1654-1664, ISSN: 0020-7217, 2016.				
6	Jovanović, J., Denić, D., Jovanović, U.: "An Improved Linearization Circuit Used for Optical Rotary Encoders", Measurement Science Review, De Gruyter, Vol. 17, No. 5, pp. 241-249, ISSN 1335-8871, 2017.				
7	Simic, M., Kokolanski, Z., Denic, D., Dimcev, V., Zivanovic, D., Taskovski, D.: „Design and evaluation of computer-based electrical power quality signal generator“, Measurement, Elsevier, vol. 107, pp. 77-88, ISSN 0263-2241, 2017				
8	Goran Miljković, Dragan Denić, "Redundant and flexible pseudorandom optical rotary encoder", Elektronika IR Elektrotehnika, Kaunas University of Technology, No. 26(6), pp. 10-16, ISSN 1392-1215, https://eejournal.ktu.lt , 2020.				
9	Jelena Jovanović, Dragan Denić, „NTC thermistor nonlinearity compensation using Wheatstone bridge and novel dual-stage single-flash piecewise-linear ADC“, Metrology and Measurement Systems, vol. 28 (2021), no. 3, pp. 523-537, 2021, https://doi.org/10.24425/mms.2021.136616 .				

10	Dinčić, M. R., Perić, Z. H., Denić, D. B., & Denić, B. D. “Optimization of the fixed-point representation of measurement data for intelligent measurement systems”, Measurement, vol. 217, 113037–113037, 2023, https://doi.org/10.1016/j.measurement.2023.113037		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	217	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	35	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			
For a period of three years (01.01.2001 to 09.01.2004) Prof. Dr. Dragan Denić was an independent consultant to GPI (Gurley Precision Instrumentation), the world's leading company in the field of his scientific research work.			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Javor L. Vesna		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	1999	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Theoretical Electrical Engineering	
Master					
Diploma	1985	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Applied electronics	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP3O01	Electric Circuits in Power Engineering	L, E	Electrical Engineering and Computer Science	BAS
2	4OEP8A05	High Voltage Engineering	L, E	Electrical Engineering and Computer Science	BAS
3	4MEP1A03	Electromagnetic Compatibility in Power Engineering	L, E	Electrical Power Engineering	MAS
4	4MEP1B02	Lightning Protection	L	Electrical Power Engineering	MAS
5	4MEP2B04	Selected Topics in High Voltage Engineering	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Javor V., Lundengård K., Rančić M., Silvestrov S.: "Analytical Representation of Measured Lightning Currents and Its Application to Electromagnetic Field Estimation," IEEE Transactions on Electromagnetic Compatibility, ISSN: 0018-9375, Online ISSN: 1558-187X, Vol. 60, No. 5, pp. 1415-1426, Oct. 2018, doi: 10.1109/TEM.2017.2768549, http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8168423&isnumber=4358749				
2	Javor V.: "Electromagnetic Interference between Cranes and Broadcasting Antennas," International Journal of Antennas and Propagation, Hindawi, ISSN: 1687-5869 (Print), 1687-5877 (Online), Vol. 2015, Article ID 452962, doi: 10.1155/2015/452962, Oct. 2015, doi: 10.1155/2015/452962, http://www.hindawi.com/journals/ijap/aip/452962				
3	Javor V., Lundengård K., Rančić M., Silvestrov S.: "Application of Genetic Algorithm to Estimation of Function Parameters in Lightning Currents Approximations," International Journal of Antennas and Propagation, Hindawi, ISSN: 1687-5869 (Print), 1687-5877 (Online), Vol. 2017, Article ID 4937943, doi: 10.1155/2017/4937943, August 2017, https://doi.org/10.1155/2017/4937943 https://www.hindawi.com/journals/ijap/2017/4937943				
4	Javor V., Lundengård K., Rančić M., Silvestrov S.: "Electrostatic Discharge Currents and Their Derivatives Approximation by Piecewise Power-Exponential Functions," TÜBITAK, Turkish Journal of Electrical Engineering & Computer Sciences, ISSN: 1300-0632, e-ISSN: 1303-6203, Vol. 26, No. 2, doi: 10.3906/elk-1707-95, pp. 1093-1102, 2018, https://journals.tubitak.gov.tr/elektrik/vol26/iss2/37 https://doi.org/10.3906/elk-1707-95				
5	Javor V., Lundengård K., Rančić M., Silvestrov S.: "Modeling of Artificially Triggered Lightning Currents by Multi-Peaked Analytically Extended Functions," COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Eng., Emerald, ISSN: 0332-1649, Vol. 37, No. 4, pp.1354-1365, Aug. 2018, doi: 10.1108/COMPEL-09-2017-0380, https://www.emeraldinsight.com/doi/abs/10.1108/COMPEL-09-2017-0380				
6	Javor V.: "Frequency Analysis of the Typical Voltage and Current Waveshapes of Test Generators," Facta Universitatis, Series Electronics and Energetics, ISSN: 0353-3670, Vol. 36, No. 1, pp. 77-89, University of Niš, Serbia, March 2023, https://doi.org/10.2298/FUEE2301077J				
7	Javor V., Betz H.-D.: "Flash Density Maps of Serbia for 2008-2013," Serbian Journal of Electrical Engineering, Technical University of Kragujevac, Čačak, ISSN: 1451-4869, UDK: 551.594.22:614.825, doi: 10.2298/SJEE1404629J, Vol. 11, No. 4, pp. 629-647, Čačak, Serbia, December 2014, https://plus.cobiss.net/cobiss/sr/sr/bib/nbs/229850380 http://www.journal.ftn.kg.ac.rs/Vol_11-4/09-Javor-Betz.pdf				
8	Javor V.: "Piece-Wise Fourier Transform of Aperiodic Functions," 21st Int. Symposium INFOTEH – JAHORINA 2022, March 16-18, 2022, pp. 1-4, East Sarajevo, Bosnia & Herzegovina, March 2022. https://doi.org/10.1109/INFOTEH53737.2022.9751264 , https://ieeexplore.ieee.org/document/9751264				
9	Brignone M., Mestriner D., Procopio R., Javor D., Javor V.: "Lightning Induced Voltages on Overhead Lines for Different Return Stroke Models," Int. Symposium on Electromagnetic Compatibility EMC Europe 2018, Proc. of papers, Amsterdam, The Netherlands, Aug. 27-30, 2018, pp. 1008-1013. doi: 10.1109/EMCEurope.2018.8485068, INSPEC Accession Number: 18149797, https://www.emceurope2018.org/footer/final-programme-opt.pdf				

10	Javor V., Đorđević G.: "Design of Electromechanical Devices in Accordance with EMC Standards for Medical Equipment," Int. PhD Seminar on Computational electromagnetics and optimization in electrical engineering CEMOEE 2010, September 10-13, 2010, Sofia, (invited paper), ISBN: 978-954-438-856-0, pp. 38-45, Sofia, Bulgaria, 2010, http://phdsem.tu-sofia.bg/program_PhDSem10_6_Sept.pdf		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	131	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	12	Number of international projects at which the lecturer currently participates	0
Specializations			
DAAD fellowship for PhD student (2000-2001) at the Technical University in Ilmenau, Germany; EMC Society Chapter Chair Training (2012); Basic EMC training in the frame of EMC Serbia Project (2011); two summer schools and six seminars in electromagnetics for PhD students; English language conversation course (ERASMUS+); Courses for programming in ISQL with CSP, C++, PSCAD-EMTDC, etc.			
Other data considered relevant			
Participant in the international projects: COST project, Action P18 Lightning physics and effects (2004-2009), DAAD projects (2000-2014), “ELISE - University training for academic training in EE&IT in SEE” (2008-10, 2013-14), “Theoretical Electrical Engineering” (2000-2004), project manager for the Faculty of Electronic Eng. in the project “Electrical Engineering” (2005-2007), Chairman of the International PES conference (2003-15) and CEMBEF (2009), Founder and Chair of the EMC Chapter of the IEEE Serbia and Montenegro Section (2011-2018). Member of the committee N081 Lightning protection of the Serbian Institute for Standardization, TC81X, TC99X.			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Jovanović D. Igor		
Title			Assistant professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electronics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2021	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
PhD	2018	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
Specialization					
Magister					
Master					
Diploma	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEE7C03	Power Electronic Converters	L	Electrical Engineering and Computer Science	BAS
2	4OEE6O03	Electronics for Multimedia Systems	L, E	Electrical Engineering and Computer Science	BAS
3	4OEP8A02	Power Supplies	L	Electrical Engineering and Computer Science	BAS
4	4OEP5A03	Renewable Energy Sources and Energy Storage	L	Electrical Engineering and Computer Science	BAS
5	4OEE6O06	Fundamentals of Power Electronics	L, E	Electrical Engineering and Computer Science	BAS
6	4OEE8B01	Thermovision	L	Electrical Engineering and Computer Science	BAS
7	4MEE1A07	Electronic Control Circuits for Converters	L, E	Electrical Power Engineering	MAS
8	4MEE2A06	Power Supplies	L, E, OFE	Electronics and Embedded Systems	MAS
9	4MEE1A11	Ultrasonic Technique	L, E, OFE	Electronics and Embedded Systems	MAS
10	4MEP2A04	Photovoltaic Systems	L, E, OFE	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Igor Jovanović, Dragan Mančić, Goran Stančić, Miodrag Prokić: "A New 3-D Model of Composite Ultrasonic Transducer", IEEE Sensors Journal, Vol. 24, Issue. 20, pp. 31901-31910, October 2024, ISSN 1530-437X, DOI: 10.1109/JSEN.2024.3452794				
2	Igor Jovanović, Dragan Mančić, Uglješa Jovanović, Miodrag Prokić: "A 3D model of new composite ultrasonic transducer", Journal of Computational Electronics, Vol. 16, No. 3, pp. 977-986, May 2017, ISSN 1569-8025, DOI: 10.1007/s10825-017-1000-0.				
3	Marjan Blagojević, Uglješa Jovanović, Igor Jovanović, Dragan Mančić: "Folded bus bar current transducer based on Hall effect sensor", Electrical Engineering, Vol. 100, No. 2, pp. 1243-1251, June 2018, DOI: 10.1007/s00202-017-0579-2.				
4	Sandra Veljković, Nikola Mitrović, Igor Jovanović, Emilija Živanović, Albena Paskaleva, Dencho Spassov, Dragan Mančić, Danijel Danković: "Self-heating of stressed VDMOS devices under specific operating conditions", Microelectronics Reliability, 115213, October 2023, DOI: https://doi.org/10.1016/j.microrel.2023.115213 .				
5	Emilija Živanović, Sandra Veljković, Nikola Mitrović, Igor Jovanović, Snežana Djorić-Veljković, Albena Paskaleva, Dencho Spassov, Danijel Danković: "A Reliability Investigation of VDMOS Transistors: Performance and Degradation Caused by Bias Temperature Stress", Micromachines, Vol. 15, No. 4: 503, 2024, ISSN 2072-666X, DOI: https://doi.org/10.3390/mi15040503 .				
6	Uglješa Jovanović, Dragan Mančić, Igor Jovanović, Zoran Petrušić, "Temperature Measurement of Photovoltaic Modules Using Non-Contact Infrared System", J Electr Eng Technol., Vol. 12, No. 2 , pp. 904-910, March 2017, ISSN: 1975-0102, DOI: 10.5370/JEET.2017.12.2.904				
7	Andrija Ćosić, Igor Jovanović, Miona Andrejević Stošović, Dragan Krasić, Goran Videnović, Dragan Mančić, Vladimir Videnović: „Diagnostic potential of the infrared thermal camera in the detection of parotid region tumors“, Serbian Archives of Medicine, Vol. 152, No. 1-2, pp. 33-38, January 2024, DOI: 10.2298/SARH231003002C				
8	Marjan Blagojević, Uglješa Jovanović, Igor Jovanović, Dragan Mančić, Radivoje Popović, "Realization and optimization of bus bar current transducers based on Hall effect sensors", IOP Publishing, Measurement Science and Technology, Vol. 27, No. 6, pp. 1-11, May 2016, ISSN: 0957-0233, DOI: 0.1088/0957-0233/27/6/065102				
9	D.Mitić, M.Milosević Marković, I.Jovanović, D.Mančić, K.Orhan, V.Jokanović, D.Marković: "A Biomimetic Approach to Diode Laser Use in Endodontic Treatment of Immature Teeth: Thermal, Structural, and Biological Analysis", Biomimetics, Vol. 10, No. 4, 216, April 2025.				

10	Igor Jovanović, Uglješa Jovanović, Dragan Mančić: “A Matlab/Simulink 3D Model of Unsymmetrical Ultrasonic Sandwich Transducers“, Serbian Journal of Electrical Engineering, Vol. 15, No. 1, pp. 41-52, 2018. ISSN: 1451–4869, UDC: 666.655:531.8]:004.42MATLAB, DOI: https://DOI.org/10.2298/SJEE1801041J .		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	106	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	11	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Jovanović R. Jelena		
Title			Associate professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Metrology and Measurement Technique		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measurement Technique	
PhD	2016	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measurement Technique	
Specialization					
Magister					
Master					
Diploma	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP3O03	Measurements in Electrical Power Engineering	E	Electrical Engineering and Computer Science	BAS
2	4OEM5A02	Measurements in Microelectronics	E	Electrical Engineering and Computer Science	BAS
3	4OEU8A02	Measurement of Electrical Power Quality	E	Electrical Engineering and Computer Science	BAS
4	4OER8A04	Microcomputer-Based Measurement Systems	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4OEM3O03	Metrology of Electrical Quantities	E	Electrical Engineering and Computer Science	BAS
6	4OEU8A01	Computer Based Industrial Measurement Systems	L	Electrical Engineering and Computer Science	BAS
7	4OEU6B04	Telemetry	L, OFE	Electrical Engineering and Computer Science	BAS
8	4MUR1B02	IoT Sensors and Measurement Systems	L, OFE	Control Systems	MAS
9	4MEK1A12	Measurement Systems in Industry 5.0	L	Electron Devices and Microsystems	MAS
10	4MEE2A10	Measurement Systems in Industry 5.0	L	Electronics and Embedded Systems	MAS
11	4MKK1C02	Measurement Systems in Industry 5.0	L	Communications and Information Technologies	MAS
12	4MUR1A02	Design of Microcomputer Measurement Instruments	L	Control Systems	MAS
13	4MEP1C03	Computer Based Industrial Measurement Systems	L	Electrical Power Engineering	MAS
14	4MKK1A01	Telemetry	L	Communications and Information Technologies	MAS
Representative references (at minimum 5, not more than 10)					
1	Zoran Perić, Jelena Lukić, Jelena Nikolić, Dragan Denić, „Design of Nonuniform Dead-zone Quantizer with Low Number of Quantization Levels for the Laplacian Source”, Revue Roumaine des Sciences Techniques. Ser. Electrotechnique et Energetique, Vol 58, No. 1, pp. 93-100, 2013, ISSN 0035-4066, http://revue.elth.pub.ro/viewpdf.php?id=384				
2	Zoran Perić, Jelena Nikolić, Jelena Lukić, Dragan Denić, „Analysis of Two-stage Quantizer with Embedded G. 711 Quantizer and Segmental Uniform Quantizer”, Electronics and Electrical Engineering, Vol 19, No. 2, pp. 88-91, 2013, ISSN 1392-1215, doi: http://dx.doi.org/10.5755/j01.eee.19.2.1107				
3	Zoran Perić, Jelena Lukić, Jelena Nikolić, Dragan Denić, „Application of Mean-square Approximation for Piecewise Linear Optimal Compander Design for Gaussian Source and Gaussian Mixture Model”, Information Technology And Control, Vol 42, No 3, pp. 277-285, 2013, ISSN 1392-124X, doi: http://dx.doi.org/10.5755/j01.itc.42.3.4349				
4	Dragan Živanović, Jelena Lukić, Dragan Denić, „A Novel Linearization Method of Sin/Cos Sensor Signals Used for Angular Position Determination”, Journal of Electrical Engineering and Technology, Vol. 9, No. 4, pp. 1437-1445, 2014, ISSN 1975-0102, doi: http://dx.doi.org/10.5370/JEET.2014.9.4.1437				
5	Jelena Lukić, Dragan Denić, „A Novel Design of an NTC Thermistor Linearization Circuit”, Metrology and Measurement Systems, Vol. 22, No. 3, pp. 351–362, 2015, ISSN 0860-8229, doi: https://doi.org/10.1515/mms-2015-0035				
6	Jelena Jovanović, Dragan Denić, „A Cost-effective Method for Resolution Increase of the Two-stage Piecewise Linear ADC Used for Sensor Linearization”, Measurement Science Review, Vol. 16, No. 1, pp. 28-34, 2016, ISSN 1335-8871, doi: http://dx.doi.org/10.1515/msr-2016-0005				

7	Jelena Jovanović, Dragan Denić, Uglješa Jovanović, „An Improved Linearization Circuit Used for Optical Rotary Encoders”, Measurement Science Review, Vol. 17, No. 5, pp. 241-249, 2017, ISSN 1335-8871, doi: http://dx.doi.org/10.1515/msr-2017-0029		
8	Jelena Jovanović, Dragan Denić, „NTC thermistor nonlinearity compensation using Wheatstone bridge and novel dual-stage single-flash piecewise-linear ADC”, Metrology and Measurement Systems, Vol. 28, No. 3, pp. 523-537, 2021, ISSN 0860-8229, doi: https://doi.org/10.24425/mms.2021.136616		
9	Jelena Jovanović, Dragan Denić, „Mixed-mode method used for Pt100 static transfer function linearization”, Measurement Science Review, Vol. 21, No. 5, pp. 142-149, 2021, ISSN 1335-8871, doi: https://doi.org/10.2478/msr-2021-0020		
10	Jelena Jovanović, Dragan Denić, „A double-nonuniform single-flash piecewise linear ADC used for linearization of sinusoidal sensors“, Journal of Electrical Engineering, Vol. 76, No. 3, pp. 200-210, 2025, ISSN 1335-3632, doi: https://doi.org/10.2478/jee-2025-0021		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	50	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	11	Number of international projects at which the lecturer currently participates	2
Specializations			
Other data considered relevant			
Prof. Dr. Jovanović R. Jelena was the leader of a project funded by the Ministry of Education, Science and Technological Development as part of the Ministry's program activity "Development of Higher Education" for the year 2019.			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Klimenta O. Dardan		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			Faculty of Technical Sciences (FTS), University of Priština in Kosovska Mitrovica		
Specific scientific field			Power Engineering		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2017	FTS, University of Priština in Kosovska Mitrovica		Electrical and Computer Engineering	Power Engineering
PhD	2007	FEE, University of Belgrade		Electrical and Computer Engineering	Power Engineering
Specialization				Electrical and Computer Engineering	
Magister	2001	FEE, University of Belgrade		Electrical and Computer Engineering	Power Engineering
Master					
Diploma	1998	FEE, University of Priština		Electrical and Computer Engineering	Power Engineering
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP7O03	Power System Analysis	L	Electrical Engineering and Computer Science	BAS
2	4OEP6A01	Power Cable Engineering	L	Electrical Engineering and Computer Science	BAS
3	4OEP5A01	Electric Power Components	L	Electrical Engineering and Computer Science	BAS
4	4OEP5O03	Electric Power Transmission	L	Electrical Engineering and Computer Science	BAS
5	4MEP2B02	Selected Chapters of Power Systems Analysis	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	M. Šućurović, D. Klimenta, D. Andriukaitis, M. Žilys, T. Sledevič, M. Tomović, "An analytical model for the steady-state thermal analysis of façade-integrated PV modules cooled by a solar chimney", Applied Sciences, Vol. 15, No. 3, 2025, Article 1664. (M21)				
2	M. Dimitrijević, M. Petronijević, D. Klimenta, "Evaluation of photovoltaic inverters according to output current distortion in a steady-state and maximum power point tracking", Applied Sciences, Vol. 15, No. 3, 2025, Article 1110. (M21)				
3	N. Krstic, D. Tasic, D. Klimenta, M. Milovanovic, "Improving the operation of a distribution network by optimal siting and sizing of photovoltaic-battery energy storage systems", Elektronika Ir Elektrotehnika, Vol. 30, No. 5, 2024, pp. 70-82. (M23)				
4	I. Radonjić, L. Pantić, M. Petronijević, S. Đorđević, M. Krstić, D. Klimenta, P. Tsankov, "An impact of fly ash on photovoltaic panel performance in the built environment: A case study", Energy and Buildings, Vol. 318, 1 September 2024, Article 114485. (M21)				
5	M. V. Tomovic, D. O. Klimenta, M. J. Milovanovic, B. D. Perovic, N. L. Hinov, "Optimal design and techno-economic analysis of a hybrid system to supply a remote fishpond with electricity and heat", Elektronika Ir Elektrotehnika, Vol. 30, No. 1, 2024, pp. 44-55. (M23)				
6	M. J. Milovanovic, S. S. Raicevic, D. O. Klimenta, N. B. Raicevic, B. D. Perovic, "Determination of optimal locations and parameters of passive harmonic filters in unbalanced systems using the multiobjective genetic algorithm", Elektronika Ir Elektrotehnika, Vol. 30, No. 2, 2024, pp. 28-37. (M23)				
7	M. Gajić, S. Arsić, J. Radosavljević, M. Jevtić, B. Perović, D. Klimenta, M. Milovanović, "Behavior analysis of the new PSO-CGSA algorithm in solving the combined economic emission dispatch using non-parametric tests", Applied Artificial Intelligence, Vol. 38, No. 1, 2024, Article e2322335. (M22)				
8	M. Tomović, M. Gajić, D. Klimenta, M. Jevtić, "Optimal design of a hybrid power system for a remote fishpond based on hydro-turbine performance parameters", Electronics, Vol. 12, No. 20, 2023, Article 4254. (M22)				
9	V. Mijailović, D. Klimenta, A. Ranković, P. Petrović, M. Milovanović, "Calculation of three-phase bolted short-circuit currents in a MV distribution feeder with induction and synchronous generators", Electrical Engineering, Vol. 106, No. 1, 2024, pp. 459–473. (M23)				
10	D. Klimenta, D. Minić, L. Pantić-Randelović, I. Radonjić-Mitić, M. Premović-Zečević, "Modeling of steady-state heat transfer through various photovoltaic floor laminates", Applied Thermal Engineering, Vol. 229, 2023, Article 120589. (M21)				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	800	Number of domestic projects at which the lecturer currently participates			0
Total number of papers on the SCI (SSCI) list	51	Number of international projects at which the lecturer currently participates			0
Specializations					
● Postdoctoral studies at Aalto University in Finland from December 1, 2014 to December 31, 2015					

Other data considered relevant
● Researcher with more than 21 years of project experience on teaching and research projects ● Author and coauthor of 73 journal papers, 53 conference papers, 1 university textbook, 1 monograph and 1 invited talk, having an h-index of 14 ● Editor and reviewer of M20 and M50 journals belonging to the fields of electrical engineering and thermodynamics ● Member of the boards of international journals and international conferences, as well as professional associations

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Korunović M. Lidija		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2020	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	2002	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	1996	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Industrial Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP4O04	Power Distribution and Industrial Networks	L	Electrical Engineering and Computer Science	BAS
2	4OEP7O01	Power Plants	L	Electrical Engineering and Computer Science	BAS
3	4OEP6O03	High Voltage Substations	L	Electrical Engineering and Computer Science	BAS
4	4OEP5B02	Power Quality	L	Electrical Engineering and Computer Science	BAS
5	4MEP1O01	Operation of Electric Power Networks	L	Electrical Power Engineering	MAS
6	4MEP1A02	Selected Chapters of High Voltage Substations	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Lidija M. Korunović, Aleksandar S. Jović, Sasa Z. Djokic, Measurement-Based Evaluation of Static Load Characteristics of Demands in Administrative Buildings, International Journal of Electrical Power and Energy Systems, Vol. 118, June 2020, pp. 1-8, ISSN: 0142-0615, https://www.sciencedirect.com/science/article/abs/pii/S0142061519336609				
2	Aleksandar S. Jović, Lidija M. Korunović, Sasa Z. Djokic, “Application of Meteorological Variables for the Estimation of Static Load Model Parameters“, Energies 2021, Vol. 14, No. 16, 4874, ISSN: 1996-1073, https://doi.org/10.3390/en14164874 , https://www.mdpi.com/1996-1073/14/16/4874				
3	Lidija Korunović, Vojkan Kostić, Tomislav Baškarad, Igor Kuzle, “Interactive Course for Power Plant Compliance Tests with Grid Connection Requirements“, The 4th Paris Conference on Education (PCE2025), 10-16 June, 2025, Paris, France. (paper accepted for publication)				
4	Lidija M. Korunović, Aleksandar S. Jović, Sasa Z. Djokic, “Field-Based Evaluation of the Effects of Shunt Capacitors on the Operation of Distribution Transformers”, IEEE Transactions on Power Delivery, Vol. 34, No. 2, April 2019, pp. 680-689, ISSN: 0885-8977, DOI: 10.1109/TPWRD.2019.2893588, https://ieeexplore.ieee.org/document/8616826				
5	L. M. Korunović, J. V. Milanović, S. Ž. Djokić, K. Yamashita, S. M. Villanueva, S. Sterpu, “Recommended Parameter Values and Ranges of Most Frequently Used Static Load Models”, IEEE Transactions on Power Systems, Vol. 33, No. 6, 2018, pp. 5923-5934, ISSN: 0885-8950, DOI: 10.1109/TPWRS.2018.2834725, https://ieeexplore.ieee.org/document/8356582				
6	Lidija M. Korunović, Ivan Anastasijević, “Dependencies of Current Harmonics of Some Nonlinear Load Devices on Rms Supply Voltage”, Facta Universitatis, Series: Electronics and Energetics, Vol. 33, No. 2, 2020, pp. 261-271, ISSN: 0353-3670(Print), 2217-5997(Online), https://doi.org/10.2298/FUEE2002261K				
7	Lidija Korunović, Teodora Denić, "Solving combined economic emission dispatch problem of power system including PV generation", 2025 10th International Conference on Sustainable and Renewable Energy Engineering (10th ICSREE 2025), 13-16 May, 2025, Nice, France. (paper accepted for publication)				
8	Lidija M. Korunović, "Power Quality", textbook, Faculty of Electronic Eginieering, Niš, Unigraf, Niš, 2014, ISBN: 978-86-6125-116-0. (in Serbian)				
9	D. Stojanović, L. Korunović, “Electrical Power Transmission and Distribution”, collection of solved problems, Faculty of Electronic Engineering, SX PRINTCOPY, Niš, 2004, ISBN: 86-83863-30-1. (in Serbian)				
10	Zoran Stajić, Milica Rašić, Dragan Tasić, Lidija Korunović, Miomir Stanković, “A new method for identifying and monitoring the installation position of electrical equipment elements in TS 110/X and TS 35/X kV”, Decision of the Scientific and Expert Council of the Research and Development Center "Alfatec", No. 1511/18-4, Niš, 2018, M85 - New method (in Serbian)				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	568	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	9	Number of international projects at which the lecturer currently participates			1

Specializations
Other data considered relevant
L. Korunović is the author of over 110 scientific papers and has participated in over 10 projects and studies funded by the Ministry of Science. She was a member of two working groups of international scientific organizations: CIGRE WG C4.605 and CIGRE JWG C4/C6.35/CIREN, and participated in the writing of their reports. Currently, at the Faculty of Electronic Engineering in Niš, she is a team leader of the project “TRANSITION to Sustainable Future Through Training and Education – TRANSIT“ which is funded through the Horizon Europe Energy program.

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Kostić Z. Vojkan		
Title			Assistant professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	2007	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	2000	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Industrial Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP4O02	Electrical Installations and Lighting	L	Electrical Engineering and Computer Science	BAS
2	4OEU6B08	Low Voltage Electrical Installations	L	Electrical Engineering and Computer Science	BAS
3	4OEP7O02	Electrical Drives	OFE	Electrical Engineering and Computer Science	BAS
4	4OEP5O02	Alternating Current Machines	L	Electrical Engineering and Computer Science	BAS
5	4OEP6A02	Practicum in Industrial Power Engineering	L, OFE	Electrical Engineering and Computer Science	BAS
6	4OEP4A04	Software Tools in Electrical Power Engineering	L	Electrical Engineering and Computer Science	BAS
7	4OEP4O01	Power Transformers	L, E	Electrical Engineering and Computer Science	BAS
8	4MEP2B01	Modelling of Electrical Machines and Drives	OFE	Electrical Power Engineering	MAS
9	4MEP2A02	Electrical Power Engineering Project Design	L	Electrical Power Engineering	MAS
10	4MEP2B03	Special Electrical Instalations	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Vojkan Kostić, Nebojša Mitrović, Bojan Banković, Filip Filipović, Milutin Petronijević, “Optimal Design and Control of Multi-Motor Drive System for Industrial Application“, The Journal Tehnički vjesnik – Technical Gazette (TV-TG), Vol. 27, No. 6, December 2020, ISSN 1330-3651 (Print), ISSN 1848-6339 (Online), doi: https://doi.org/10.17559/TV-20180509152814 , pp. 1815-1824. Science Citation Index (IF=0.783). URL: https://hrcak.srce.hr/248215 (M23=3)				
2	Vojkan Kostić, Nebojša Mitrović, Bojan Banković, Milutin Petronijević, “The Monospiral Motorised Cable Reel in Crane Applications“, FACTA UNIVERSITATIS, Series: Mechanical Engineering, Vol. 15, No. 2, June 2017, ISSN: 0354-2025 (Print), ISSN: 2335-0164 (Online), COBISS.SR-ID 98732551, ZDB-ID: 2766459-4, DOI: 10.22190/FUME170508015K, UDC 621.3/.8, pp. 315-330. URL: http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/article/view/2880/1759 (M24=3)				
3	Nebojsa Mitrovic, Milutin Petronijevic, Vojkan Kostic and Borislav Jeftenic (2012). “Electrical Drives for Crane Application”, Mechanical Engineering, Murat Gokcek (Ed.), ISBN: 978-953-51-0505-3, DOI: 10.5772/35560, InTech, Available from: http://www.intechopen.com/books/mechanical-engineering/electrical-drives-for-crane-application (M14=4)				
4	Nebojsa MITROVIC, Vojkan KOSTIC, Milutin PETRONIJEVIC, Borislav JEFTENIC, “Multi-Motor Drives for Crane Application“, Advances in Electrical and Computer Engineering, ISSN 1582-7445, e-ISSN 1844-7600, Volume 9, Number 3, 2009, pp. 57-62, doi: 10.4316/AECE.2009.03011, Science Citation Index (IF=0.509). (M23=3)				
5	Nebojša Mitrović, Vojkan Kostić, Milutin Petronijević, Borislav Jeftenić, “Practical Implementation of Load Sharing and Anti Skew Controllers for Wide Span Gantry Crane Drives“, Strojniški vestnik – Journal of Mechanical Engineering, ISSN 0039-2480, Volume 56, Number 3, 2010, pp. 207-216, UDC 621.875.5, Science Citation Index (IF=0.466). (M23=3)				
6	N. MITROVIC, V. KOSTIC, M. PETRONIJEVIC and B. JEFTENIC, “Practical Implementation of Multi-Motor Drives for Wide Span Gantry Cranes“, Iranian Journal of Science & Technology, Transaction B: Engineering, ISSN 1028-6284, Volume 34, Number B6, 2010, pp. 649-654, Science Citation Index (IF=0.283). URL: http://www.shirazu.ac.ir/en/index.php?page_id=2463 (M23=3)				
7	Petronijević M., Veselić B., Mitrović N., Kostić V., Jeftenić B., “Comparative study of unsymmetrical voltage sag effects on adjustable speed induction motor drives“. Electric Power Applications, IET. ISSN: 1751-8660. INSPEC Accession Number:				

	12032715, Digital Object Identifier: 10.1049/iet-epa.2010.0144, Vol. 5, No. 5, May 2011, pp. 432-442, Science Citation Index (IF=1.173). URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5783644&isnumber=5783640 (M22=5)		
8	Milutin Petronijević, Nebojša Mitrović, Vojkan Kostić and Bojan Banković, “An Improved Scheme for Voltage Sag Override in Direct Torque Controlled Induction Motor Drives“, Energies, Volume 10, Issue 5, 663, May 2017 [Online], doi: 10.3390/en10050663. Science Citation Index (IF=2.676). URL: http://www.mdpi.com/1996-1073/10/5/663/htm (M22=5)		
9	Filip Filipović, Milutin Petronijević, Nebojša Mitrović, Bojan Banković, Vojkan Kostić, “A Novel Repetitive Control Enhanced Phase-Locked Loop for Synchronization of Three-Phase Grid-Connected Converters“, Energies, Volume 13, Issue 1, 135, January 2020 [Online], doi: https://doi.org/10.3390/en13010135 . Science Citation Index (IF=3.004). URL: https://www.mdpi.com/1996-1073/13/1/135 (M23=3)		
10	Bojan Banković, Filip Filipović, Nebojša Mitrović, Milutin Petronijević, Vojkan Kostić, “A Building Block Method for Modeling and Small-Signal Stability Analysis of the Autonomous Microgrid Operation“, Energies, Volume 13, Issue 6, 1492, March 2020 [Online], doi: https://doi.org/10.3390/en13061492 . Science Citation Index (IF=3.004). URL: https://www.mdpi.com/1996-1073/13/6/1492/htm (M23=3)		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	112	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	8	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			
Licensed electrical engineer: license issued by the ministry responsible for construction affairs, EP 05-01 (independent performance of professional tasks related to the design and technical supervision of low- and medium-voltage electrical installation projects, control of electrical drives – automation, measurement and control, and equipment affecting the essential requirements for a facility, professional supervision during construction, as well as technical inspection)			
Licensed electrical engineer: license issued by the ministry responsible for construction affairs, EI 05-01.1 (performing tasks related to managing the execution of low- and medium-voltage electrical installation works, control of electrical drives – automation, measurement and control, and installation of equipment affecting the essential requirements for a facility, professional supervision during execution, as well as technical inspection)			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Mančić D. Dragan		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electronics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2013	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Electronics
PhD	2002	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Electronics
Specialization					
Magister	1995	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Electronics
Master					
Diploma	1991	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Electronics
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEE7C03	Power Electronic Converters	L	Electrical Engineering and Computer Science	BAS
2	4OEP8A02	Power Supplies	L	Electrical Engineering and Computer Science	BAS
3	4OEE6O06	Fundamentals of Power Electronics	L	Electrical Engineering and Computer Science	BAS
4	4OEE8B01	Thermovision	L	Electrical Engineering and Computer Science	BAS
5	4OEZ2O05	Introduction to Electronics	L	Electrical Engineering and Computer Science	BAS
6	4MEE1A07	Electronic Control Circuits for Converters	L	Electrical Power Engineering	MAS
7	4MEE2A06	Power Supplies	L	Electronics and Embedded Systems	MAS
8	4MEE1A11	Ultrasonic Technique	L	Electronics and Embedded Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	D.Mitić, M.Milosević Marković, I.Jovanović, D.Mančić, K.Orhan, V.Jokanović, D.Marković: "A Biomimetic Approach to Diode Laser Use in Endodontic Treatment of Immature Teeth: Thermal, Structural, and Biological Analysis", Biomimetics, Vol. 10, No. 4, 216, April 2025. (M21)				
2	I.Jovanović, D.Mančić, G.Stančić, M.Prokić: "A New 3-D Model of Composite Ultrasonic Transducer", IEEE Sensors Journal, Vol. 24, Issue. 20, pp. 31901-31910, October 2024. (M21)				
3	S.Veljković, N.Mitrović, I.Jovanović, E.Živanović, A.Paskaleva, D.Spaso, D.Mančić, D.Danković: "Self-heating of stressed VDMOS devices under specific operating conditions", Microelectronics Reliability, DOI: https://doi.org/10.1016/j.microrel.2023.115213 , October 2023. (M23)				
4	S.Lale, M.Šoja, S.Lubura, D.Mančić: "Application of I ² technique on Dual Current Mode Control of Power Electronics Converters", Electrical Engineering, Vol. 100, No. 3, pp. 1761–1772, September 2018. (M23)				
5	M.Bлагоjević, U.Jovanović, I.Jovanović, D.Mančić: "Folded bus bar current transducer based on Hall effect sensor", Electrical Engineering, Vol. 100, No. 2, pp. 1243-1251, June 2018. (M23)				
6	I.Jovanović, D.Mančić, U.Jovanović, M.Prokić: "A 3D model of new composite ultrasonic transducer", Journal of Computational Electronics, Vol. 16, No. 3, pp. 977-986, May 2017. (M22)				
7	U.Jovanović, D.Mančić, I.Jovanović, Z.Petrušić: "Temperature Measurement of Photovoltaic Modules Using Non-Contact Infrared System", Journal of Electrical Engineering & Technology, Vol. 12, No. 2, pp. 904-910, March 2017. (M23)				
8	M.Bлагоjević, U.Jovanović, I.Jovanović, D.Mančić, R.Popović: "Realization and optimization of bus bar current transducers based on Hall effect sensors", Measurement Science and Technology, Vol. 27, No. 6, pp. 1-11, May 2016. (M21)				
9	D.Mančić, G.Stančić, "New Three-dimensional Matrix Models of the Ultrasonic Sandwich Transducers", Journal of Sandwich Structures & Materials, Vol. 12, No. 1, pp. 63-80, January 2010. (M22)				
10	A.Prijić, Z.Prijić, B.Pešić, D.Pantić, S.Ristić, D.Mančić, Z.Petrušić: "Design and Optimization of S-Type Thermal Cutoffs", IEEE Transactions on Components and Packaging Technologies, Vol. 31, No. 4, pp. 904-912, December 2008. (M21)				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	229	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	25	Number of international projects at which the lecturer currently participates			0
Specializations					
Other data considered relevant					

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Marinković D. Slađana		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Mathematics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2016	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Mathematics	
PhD	2005	University of Niš, Faculty of Sciences and Mathematics	Electrical and Computer Engineering	Mathematics	
Specialization					
Magister	1995	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Mathematics	
Master					
Diploma	1986	University of Niš, Faculty of Philosophy	Mathematical Sciences	Mathematics	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEZ1O01	Mathematics 1	L	Electrical Engineering and Computer Science	BAS
2	4OEZ2O01	Mathematics 2	L	Electrical Engineering and Computer Science	BAS
3	4OEU4A01	Mathematical Methods	L	Electrical Engineering and Computer Science	BAS
4	4OEE4A03	Numerical Mathematics	L	Electrical Engineering and Computer Science	BAS
5	4OEM4A06	Numerical Mathematics	L	Electrical Engineering and Computer Science	BAS
6	4OER4A03	Numerical Algorithms	L	Electrical Engineering and Computer Science	BAS
7	4MRZ1A29	Methods of optimization	L	Computer Science and Informatics	MAS
8	4MEP1C02	Methods of mathematical optimization	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Predrag M. Rajković, Dragan S. Rakić, Slađana D. Marinković, Leibniz rule for the high q -derivatives of a quotient of two functions, <i>Mathematical Methods in the Applied Sciences</i> , Vol. 48, Issue 4 (2025) 4477-4493. (M21a)				
2	Rajković Predrag, Marinkovic Slađana, Differentiating under q -integral sign. <i>Hacettepe Journal of Mathematics and Statistics</i> , Vol 54, Issue 3 (2025) 921-927. (M22)				
3	Rajković Predrag, Marinković Slađana, Stanković Miomir, Petković Marko, Differential properties of the reduced Mittag-Leffler polynomials, <i>Scientific Bulletin, Series A: Applied Mathematics and Physics</i> , Vol. 86 Issue 1 (2024) 29-38. (M22)				
4	Rajković, Predrag, Marinković, Slađana, Petković Marko,, A class of orthogonal polynomials related to the generalized Laguerre weight with two parameters, <i>Computational and Applied Mathematics</i> , Vol.38, Issue 1 (2019) 10. (M22)				
5	Rajković Predrag, Stanković Miomir, Marinković Slađana, The Laplace transform Induced by the Deformed Exponential Function of Two Variables, <i>Fractional Calculus and Applied Analysis</i> , Vol. 21 (2018) 775–785. (M21a+)				
6	Rajković Predrag, Marinković Slađana, Miomir Stanković; Mokhtar Kirane, On q -Steffensen inequality, <i>Electronic Journal of Differential Equations</i> , Vol. 2018, No.112 (2018) 1-11. (M21)				
7	Marinković Slađana, Rajković Predrag, Wolfram Koepf, On a connection between formulas about q --gamma functions, <i>Journal of Nonlinear Mathematical Physics</i> , Vol. 23, Issue 3 (2016) 343-343. (M22)				
8	Predrag Rajković, Franz Hinterleitner, Slađana Marinković, Polynomials associated with a functional product of the Hermite type, <i>Mathematical Methods in the Applied Sciences</i> , Vol. 39, No. 9 (2016) 2358-2367. (M22)				
9	Marinković Slađana, Rajković Predrag, Silvestrov Sergei, Wallis Type Formula and a Few Versions of the Number Π in q -Calculus, In: Silvestrov, S., Malyarenko, A. (eds) <i>Non-commutative and Non-associative Algebra and Analysis Structures</i> , SPAS 2019, Springer Proceedings in Mathematics & Statistics, Vol 426. (2023) 741–759.				
10	Rajković Predrag, Marinković Slađana, Stanković Miomir, Usage of q -orthogonal polynomials in numerical computing of the inverse Z -transform, <i>Proceedings of the XVI International SAUM Conference on Systems, Automatic Control and Measure</i> , Niš, (2022) 53-56.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	446	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	19	Number of international projects at which the lecturer currently participates			0
Specializations					
Other data considered relevant					

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Milošević D. Nenad		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Telecommunications		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
PhD	2007	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
Specialization					
Magister	2000	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
Master					
Diploma	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEK5A01	Internet of Things	L	Electrical Engineering and Computer Science	BAS
2	4OEK5O04	Networks and Protocols	L	Electrical Engineering and Computer Science	BAS
3	4OEK3O02	Fundamentals of Telecommunications	L	Electrical Engineering and Computer Science	BAS
4	4OEK5A02	Programming on development platforms	L	Electrical Engineering and Computer Science	BAS
5	4OEM8A06	Sensor Networks Protocols	L	Electrical Engineering and Computer Science	BAS
6	4OEK8O02	Contemporary Laboratory	L	Electrical Engineering and Computer Science	BAS
7	4OEK7B01	Sensor Networks	L	Electrical Engineering and Computer Science	BAS
8	4OEZ1O05	Introduction to Engineering	L	Electrical Engineering and Computer Science	BAS
9	4MKK2A04	Cognitive Radio	L	Communications and Information Technologies	MAS
10	4MKK1O01	Principles of Software Radio	L	Communications and Information Technologies	MAS
11	4MEP2A03	Powerline Telecommunications	L, E	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Bojana Nikolić, Bojan Dimitrijević, Nenad Milošević, Goran T. Đorđević, "Comparative analysis of performances of the EGC diversity receiver obtained in simulated environment and in realistic conditions on USRP hardware," Proceedings of papers TELFOR 2011 on CD, Belgrade, Serbia, November 2011, pp. 3-6, DOI: 10.1109/TELFOR.2011.6143878				
2	Nenad Milošević, Zorica Nikolić, Filip Jelenković, Valentina Nejšković, Milorad Tošić, "Spectrum Sensing Experimentation for LTE and WiFi Unlicensed Band Operation," Telfor Journal, vol. 8, no. 2, 2016, pp. 76-80, ISSN 1821-3251, DOI: 10.5937/telfor1602076M				
3	Valentina Nejšković, Filip Jelenković, Milorad Tošić, Nenad Milošević, Zorica Nikolić, "CoordSS: An Ontology Framework for Heterogeneous Networks Experimentation," Telfor Journal, vol. 8, no. 2, 2016, pp. 70-75, ISSN 1821-3251, DOI: 10.5937/telfor1602070N				
4	Nenad Milošević, Zorica Nikolić, Predrag Petrović, "Dynamic Resource Allocation Protocols for 4G Mobile Networks," Proceedings of ICEST 2009, Veliko Tarnovo, Bulgaria, June 2009, pp. 643-646				
5	Milorad Tošić, Valentina Nejšković, Filip Jelenković, Nenad Milošević, Zorica Nikolić, Nikos Makris, Thanasis Korakis, "Semantic coordination protocol for LTE and Wi-Fi coexistence," Proceedings of papers European Conference on Networks and Communications (EuCNC) 2016, Athens, Greece, June 2016, pp. 69-73, DOI: 10.1109/EuCNC.2016.7561007				
6	Srđan Maričić, Dejan Milić, Nenad Milošević, Jelena Anastasov, Petar Čisar, "Asymptotic Analysis of Physical Layer Security versus Reliability in IoT Wireless Transmission," Proceedings of papers TELSIKS 2021, Niš, Serbia, 20-22 October 2021, pp. 311-314, DOI: 10.1109/TELSIKS52058.2021.9606421.				
7	Addanki Prathima, Devendra S. Gurjar, Suneel Yadav, Dragana Krstić, Nenad Milošević, Jugoslav Joković, "UAV-Assisted Wireless Information and Power Transfer for Self-Sustained IoT Communications," IEEE Sensors Journal, vol. 22, no. 24, 2022, pp. 24593-24606, ISSN 1530-437X, DOI: 10.1109/JSEN.2022.3218269.				

8	Nenad Milošević, Milica Petković, Goran T. Đorđević, "Average BER of SIM-DPSK FSO System With Multiple Receivers over M-Distributed Atmospheric Channel With Pointing Errors," IEEE Photonics Journal, IEEE Photonics Society, vol. 9, no. 4, 2017, pp. 1-10, ISSN 1943-0655, DOI: 10.1109/JPHOT.2017.2710320		
9	Goran T. Đorđević, Milica Petković, Nenad Milošević, Bane Vasić, "Error Performance of DDPSK Receiver in the Presence of Composite Fading," IEEE Access, IEEE, vol. 13, pp. 98066 – 98075, 2025, ISSN 2169-3536, DOI: 10.1109/ACCESS.2025.3576058.		
10	Aleksandra Panajotović, Jelena Anastasov, Nikola Sekulović, Dejan Milić, Daniela Milović, Nenad Milošević, "Sum Rate Analysis of Downlink NOMA over α -F Fading Channels," Radioengineering, vol. 33, no. 4, 2024, pp. 619-628, ISSN 1210-2512, DOI: 10.13164/re.2024.0619		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	356	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	32	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Mitić B. Darko		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Automatic Control		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2021	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
PhD	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Specialization					
Magister	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Master					
Diploma	1992	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control and Electronics	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP5O04	Automatic Control	L	Electrical Engineering and Computer Science	BAS
2	4OEU6B01	Advanced Techniques for Modeling of Dynamical Systems	L	Electrical Engineering and Computer Science	BAS
3	4OEU6O02	Nonlinear Control Systems	L, E	Electrical Engineering and Computer Science	BAS
4	4OEU7A02	Fundamentals of Predictive Control	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4OEU7B01	Servo Systems	L	Electrical Engineering and Computer Science	BAS
6	4OEU8B01	Control Systems in Automotive Industry	L	Electrical Engineering and Computer Science	BAS
7	4MUA2A01	Intelligent Control of Mechatronic Systems	L	Control Systems	MAS
8	4MUA2A02	Predictive Control	L	Control Systems	MAS
9	4MEP1A01	Electrical Drive Control	L	Electrical Power Engineering	MAS
10	4MUA1O03	Electrical Drive Control	L, E	Control Systems	MAS
11	4MUA2B01	Control Systems in Vehicles	L	Control Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Miodrag Spasić, Darko Mitić, Dragan Antić, Nikola Danković, Saša S. Nikolić, "Generalized Malmquist orthogonal functions based model predictive control." Measurement and Control. 2024;0(0). doi:10.1177/00202940241302672. November 2024.				
2	Darko B. Mitić, Goran S. Jovanović, Mile K. Stojčev, Dragan S. Antić: “Fast Locking Time Biquadratic Band-Pass Filter Utilizing Non-Linear Sliding-Mode Controller”, Journal of Circuits, Systems and Computers, Vol. 30, No. 9, pp. 2150154-1 - 2150154-24, (2021), ISSN: 0218-1266 (DOI : http://dx.doi.org/10.1142/S0218126621501541) Publisher: World Scientific Publishing Co Ptd .				
3	Miodrag D. Spasić, Darko B. Mitić, Morten Hovd, Dragan S. Antić, “Predictive Sliding Mode Control Based on Laguerre Functions”, Journal of Control Engineering and Applied Informatics, Vol. 21, No. 1, (2019), pp. 12-20, (http://ceai.srait.ro/) ISSN: 1454-8658. Publisher: SRAIT - Romanian Society of Control Engineering and Technical Informatics.				
4	Muhanad Almawlawe, Darko Mitić, Dragan Antić, Zoran Ičić: "An approach to microcontroller-based realization of boost converter with quasi-sliding mode control", Journal of Circuits, Systems and Computers, Vol. 26, No. 7, pp. 1750106-1 - 1750106-16, (2017), ISSN: 0218-1266 (DOI : http://dx.doi.org/10.1142/S0218126617501067), Publisher: World Scientific Publishing Co Ptd .				
5	Miodrag D. Spasić, Morten Hovd, Darko B. Mitić, Dragan S. Antić: “Tube model predictive control with an auxiliary sliding mode controller”, Modeling, Identification and Control, Vol. 37, No. 3, (2016), pp. 181-193. (http://dx.doi.org/10.4173/mic.2016.3.4) ISSN: 1890-1328. Publisher: Norwegian Society of Automatic Control.				
6	Staniša Lj. Perić, Dragan S. Antić, Miroslav B. Milovanović, Darko B. Mitić, Marko T. Milojković, Saša S. Nikolić: “Quasi-sliding mode control with orthogonal endocrine neural network-based estimator applied in anti-lock braking system”, IEEE/ASME Transactions on Mechatronics, vol. 21, no. 2, (2016), pp. 754-764. Print ISSN: 1083-4435, (DOI: http://dx.doi.org/10.1109/TMECH.2015.2492682), Publisher: IEEE.				
7	Darko B. Mitić, Goran S. Jovanović, Mile K. Stojčev, Dragan S. Antić: “Phase-synchroniser based on gm-C all-pass filter chain with sliding mode control”, International Journal of Electronics, Vol. 102, No. 3, (2015), pp. 362-375, ISSN: 0020-7217, (DOI: http://dx.doi.org/10.1080/00207217.2014.896421), Publisher: Taylor & Francis.				
8	Darko Mitić, Staniša Perić, Dragan Antić, Zoran Jovanović, Marko Milojković, Saša Nikolić: "Digital sliding mode control of anti-lock braking system," Advances in Electrical and Computer Engineering, Vol. 13, No. 1, (2013), pp. 33-40, ISSN: 1582-				

	7445, e-ISSN: 1844-7600, (DOI: http://dx.doi.org/10.4316/AECE.2013.01006), Publisher: Stefan cel Mare University of Suceava, Faculty of Electrical Engineering and Computer Science.		
9	Čedomir Milosavljević, Branislava Peruničić-Draženović, Boban Veselić, Darko Mitić: “A new design of servomechanism with digital sliding mode”, Electrical Engineering (Archiv fur Elektrotechnik), Springer, Vol. 89, No. 3., (2007), pp 233-244, ISSN Print Edition 0948-7921, ISSN Electronic Edition 1432-0487, (DOI: http://dx.doi.org/10.1007/s00202-005-0334-y), Publisher: Springer-Verlag.		
10	Darko Mitić, Čedomir Milosavljević: “Sliding mode based minimum variance and generalized minimum variance controls with O(T^2) and O(T^3) accuracy”, Electrical Engineering (Archiv fur Elektrotechnik), Vol. 86, No. 4, pp 229-237, (2004), ISSN Print Edition 0948-7921, ISSN Electronic Edition 1432-0487, (DOI: http://dx.doi.org/10.1007/s00202-003-0198-y), Publisher: Springer-Verlag. SCI		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	220	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	21	Number of international projects at which the lecturer currently participates	0
Specializations			
Model Predictive Control course (lecturer Prof. Dr. Jan Maciejowski) at the EECI International Graduate School on Control (Gif sur Yvette, Paris, France) in 2014.			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Mitrović N. Nebojša		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2010	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	1998	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	1992	University of Priština, Faculty of Electrical Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	1987	University of Priština, Faculty of Electrical Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU5A03	Electrical Machines	L	Electrical Engineering and Computer Science	BAS
2	4OEP3O04	Electromechanical Energy Conversion	L	Electrical Engineering and Computer Science	BAS
3	4OEP7O02	Electrical Drives	L, E	Electrical Engineering and Computer Science	BAS
4	4OEU7B08	Electrical Drives	L	Electrical Engineering and Computer Science	BAS
5	4OEP8O01	Electrical Drives - Selected Chapters	L, E	Electrical Engineering and Computer Science	BAS
6	4MEP2B01	Modelling of Electrical Machines and Drives	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Vukašinović, Jovan, Saša Štatkić, Nebojša Arsić, Nebojša Mitrović, Bojan Perović, and Andrijana Jovanović. 2025. "Improved Estimation Procedure of Cage-Induction-Motor-Equivalent Circuit Parameters Based on Two-Stage PSO Algorithm" Energies 18, no. 8: 1952. https://doi.org/10.3390/en18081952				
2	Knezevic, Ilija, Martin Calasan, Tatijana Dlabac, Filip Filipovic, and Nebojsa Mitrovic. 2024. "Exact Analytical Solutions for Modelling the Speed-Time Characteristics of Direct-Start Induction Machines under Various Operational Conditions on Ships: Review and Experimental Validation". Elektronika Ir Elektrotehnika 30 (6):4-12.				
3	V. Kostić*, N. Mitrović, B. Banković, F. Filipović i M. Petronijević, "Optimal Design and Control of Multi-Motor Drive System for Industrial Application", Tehnički vjesnik, vol.27, br. 6, str. 1815-1824, 2020. [Online]. https://doi.org/10.17559/TV-20180509152814				
4	Petronijević, Milutin, Nebojša Mitrović, Vojkan Kostić, and Bojan Banković. 2017. "An Improved Scheme for Voltage Sag Override in Direct Torque Controlled Induction Motor Drives" Energies 10, no. 5: 663. https://doi.org/10.3390/en10050663				
5	Kostić, Vojkan, Mitrović, Nebojša, Banković, Bojan, AND Petronijević, Milutin. "THE MONOSPIRAL MOTORIZED CABLE REEL IN CRANE APPLICATIONS" Facta Universitatis, Series: Mechanical Engineering [Online], Volume 15 Number 2 (2 August 2017)				
6	Kostić, V., Mitrović, N., Petronijević, M., Banković, B., & Filipović, F. (2024). SKEW CONTROL OF RAIL MOUNTED WIDE SPAN MULTI-MOTOR DRIVES. Facta Universitatis, Series: Automatic Control and Robotics, 23(1), 017-032. doi: https://doi.org/10.22190/FUACR240507003K				
7	Petronijević, M., Veselić, B., Mitrović, N., & Kostić, V. (2017). VOLTAGE SAG SENSITIVITY OF INDUSTRIAL VECTOR CONTROLLED INDUCTION MOTOR DRIVES – A COMPARATIVE STUDY. Facta Universitatis, Series: Automatic Control and Robotics, 16(2), 167-183. doi: https://doi.org/10.22190/FUACR1702167P				
8	Filipović, Filip, Milutin Petronijević, Nebojša Mitrović, Bojan Banković, and Vojkan Kostić. 2020. "A Novel Repetitive Control Enhanced Phase-Locked Loop for Synchronization of Three-Phase Grid-Connected Converters" Energies 13, no. 1: 135. https://doi.org/10.3390/en13010135				
9	Banković, Bojan, Filip Filipović, Nebojša Mitrović, Milutin Petronijević, and Vojkan Kostić. 2020. "A Building Block Method for Modeling and Small-Signal Stability Analysis of the Autonomous Microgrid Operation" Energies 13, no. 6: 1492. https://doi.org/10.3390/en13061492				
10	Nebojša Mitrović , Filip Filipović , Bojan Banković , Vojkan Kostić , Saša Štatkić , Jovan Vukašinović, "Comparison of Self Commissioning Procedure for Frequency Controlled Induction Motor Drive Parameter Identification," XVII International Conference on Systems, Automatic Control and Measurements, SAUM 2024 (pp. 189-192), DOI: 10.46793/SAUM24.198M				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	280	Number of domestic projects at which the lecturer currently participates			0

Total number of papers on the SCI (SSCI) list	11	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Nikolić S. Saša		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Automatic Control		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
PhD	2014	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
Specialization					
Magister					
Master					
Diploma	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU8O01	SCADA Systems	L	Electrical Engineering and Computer Science	BAS
2	4OEU5O02	System Identification	L, OFE	Electrical Engineering and Computer Science	BAS
3	4OEU4A02	Mathematical Introduction to System Theory	L	Electrical Engineering and Computer Science	BAS
4	4OER7A07	Fundamentals of Control Systems	L	Electrical Engineering and Computer Science	BAS
5	4OEU7O02	Programmable Logic Controllers	L, E	Electrical Engineering and Computer Science	BAS
6	4OEZ1O05	Introduction to Engineering	L	Electrical Engineering and Computer Science	BAS
7	4OEU6O01	Process Control	L, E	Electrical Engineering and Computer Science	BAS
8	4MUA1O03	Electrical Drive Control	L, E	Control Systems	MAS
9	4MEP1A01	Electrical Drive Control	E	Electrical Power Engineering	MAS
10	4MUA1B01	Flexible Production Systems	L	Control Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Staniša Lj. Perić, Dragan S. Antić, Miroslav B. Milovanović, Darko B. Mitić, Marko T. Milojković, Saša S. Nikolić, “Quasi-Sliding Mode Control with Orthogonal Endocrine Neural Network-Based Estimator Applied in Anti-lock Braking System”, IEEE/ASME Transactions on Mechatronics, vol. 21, no. 2, (2016), pp. 754–764. April 2016.				
2	Miroslav B. Milovanović, Dragan S. Antić, Marko T. Milojković, Saša S. Nikolić, Staniša Lj. Perić, Miodrag D. Spasić, “Adaptive PID Control Based on Orthogonal Endocrine Neural Networks”, Neural Networks, vol. 84, (2016), pp. 80–90. December 2016.				
3	Marko Milojković, Miroslav Milovanović, Saša S. Nikolić, Miodrag Spasić, Anđela Antić, “Designing Optimal Models of Nonlinear MIMO Systems Based on Orthogonal Polynomial Neural Networks”, Mathematical and Computer Modelling of Dynamical Systems, vol. 27, no. 1, (2021), pp. 242–262. April 2021.				
4	Saša S. Nikolić, Dragan S. Antić, Staniša Lj. Perić, Nikola B. Danković, Marko T. Milojković, “Design of Generalised Orthogonal Filters: Application to the Modelling of Dynamical Systems”, International Journal of Electronics, vol. 103, no. 2, (2016), pp. 269–280. Februar 2016.				
5	Saša S. Nikolić, Dragan S. Antić, Marko T. Milojković, Miroslav B. Milovanović, Staniša Lj. Perić, Darko B. Mitić, “Application of Neural Networks with Orthogonal Activation Functions in Control of Dynamical Systems”, International Journal of Electronics, vol. 103, no. 4, (2016), pp. 667–685. April 2016.				
6	Miroslav Milovanović, Dragan Antić, Marko Milojković, Saša S. Nikolić, Miodrag Spasić, Staniša Perić, “Time Series Forecasting with Orthogonal Endocrine Neural Network Based on Postsynaptic Potentials”, Journal of Dynamic Systems, Measurement, and Control, vol. 139, no. 4, (2017), pp. 041006-1÷041006-9, DS-15-1656. April 2017.				
7	Saša S. Nikolić, Dragan S. Antić, Nikola B. Danković, Aleksandra A. Milovanović, Darko B. Mitić, Miroslav B. Milovanović, Petar S. Djekić, “Generalized Quasi-Orthogonal Functional Networks Applied in Parameter Sensitivity Analysis of Complex Dynamical Systems”, Elektronika ir Elektrotehnika, vol. 28, no. 4, (2022), pp. 19–26. August 2022.				
8	Saša S. Nikolić, Miroslav B. Milovanović, Nikola B. Danković, Darko B. Mitić, Stanisa Lj. Perić, Anđela D. Djordjević, Petar S. Djekić, “Identification of Nonlinear Systems Using the Hammerstein-Wiener Model with Improved Orthogonal Functions”, Elektronika ir Elektrotehnika, vol. 29, no. 2, (2023), pp. 4–11. May 2023.				
9	Saša S. Nikolić, Igor B. Kocić, Dragan S. Antić, Darko B. Mitić, Nikola B. Danković, Miroslav B. Milovanović, Petar S. Djekić, “Speed and Tensile Force Control of the Pulling Devices of the Continuous Line”, Thermal Sciences, vol. 27, no. 6A, (2023), pp. 4447–4460. Novembar 2023.				

10	Miodrag Spasić, Darko Mitić, Saša S. Nikolić, Marko Milojković, Miroslav Milovanović, Anđela Đorđević, “Malmquist Orthogonal Functions Based Tube Model Predictive Control With Sliding Mode for DC Servo System”, PROCEEDINGS OF THE ROMANIAN ACADEMY, SERIES A: Mathematics, Physics, Technical Sciences, Information Science, vol. 25, no. 3, (2024), pp. 241–251. September 2024.		
	Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer		
Total number of citations	234	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	40	Number of international projects at which the lecturer currently participates	4
Specializations			
Other data considered relevant			
Head of the Laboratory for Digital Systems and Control Process			
Coordinator of ERASMUS+ projects at the University of Niš			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Petronijević P. Milutin		
Title			Associate professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	1999	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Industrial Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP7A02	Electric Vehicles	L	Electrical Engineering and Computer Science	BAS
2	4OEP4O02	Electrical Installations and Lighting	L	Electrical Engineering and Computer Science	BAS
3	4OEU6B08	Low Voltage Electrical Installations	L	Electrical Engineering and Computer Science	BAS
4	4OEP7O02	Electrical Drives	L	Electrical Engineering and Computer Science	BAS
5	4OEU7B08	Electrical Drives	L	Electrical Engineering and Computer Science	BAS
6	4OEP5A03	Renewable Energy Sources and Energy Storage	L	Electrical Engineering and Computer Science	BAS
7	4OEP8O01	Electrical Drives - Selected Chapters	L	Electrical Engineering and Computer Science	BAS
8	4OEP8A01	Electrical Drives Project Design	L	Electrical Engineering and Computer Science	BAS
9	4OEP4A04	Software Tools in Electrical Power Engineering	L	Electrical Engineering and Computer Science	BAS
10	4OEP8A04	Special Electrical Machines	L	Electrical Engineering and Computer Science	BAS
11	4OEP4O01	Power Transformers	L	Electrical Engineering and Computer Science	BAS
12	4OEZ1O05	Introduction to Engineering	L	Electrical Engineering and Computer Science	BAS
13	4MEP2A01	Power Converters for Renewable Energy Sources	L	Electrical Power Engineering	MAS
14	4MEP2A02	Electrical Power Engineering Project Design	L	Electrical Power Engineering	MAS
15	4MEP2B03	Special Electrical Instalations	L	Electrical Power Engineering	MAS
16	4MEP1O02	Control of Power Converters and Drives	L	Electrical Power Engineering	MAS
17	4MEP2A04	Photovoltaic Systems	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Petronijević, M., Peruničić-Draženović, B., Milosavljiavić, Č., & Veselić, B. (2017). Discrete-time speed servo system design—a comparative study: proportional–integral versus integral sliding mode control. IET Control Theory & Applications, 11(16), 2671-2679.				
2	Petronijević, M. P., Milosavljević, Č., Veselić, B., Peruničić-Draženović, B., & Huseinbegović, S. (2021). Robust cascade control of electrical drives using discrete-time chattering-free sliding mode controllers with output saturation. Electrical Engineering, 1-15.				
3	Rosini, A., Petronijević, M., Filipović, F., Bonfiglio, A., & Procopio, R. (2024). Frequency and voltage communication-less control for islanded AC microgrids: Experimental validation via rapid control prototyping. International Journal of Electrical Power & Energy Systems, 162, 110313.				
4	Milosavljević, Č., Peruničić-Draženović, B., Veselić, B., & Petronijević, M. (2017). High-performance discrete-time chattering-free sliding mode-based speed control of induction motor. Electrical Engineering, 99, 583-593.				

5	Petronijević, M. P., Milosavljević, Č., Veselić, B., Huseinbegović, S., & Peruničić, B. (2023). Discrete time quasi-sliding mode-based control of LCL grid inverters. Facta Universitatis, Series: Electronics and Energetics, 36(1), 133-158.		
6	Čalasan, M., Radonjić, I., Micev, M., Petronijević, M., & Pantić, L. (2024). Voltage root mean square error calculation for solar cell parameter estimation: A novel g-function approach. Heliyon, 10(18).		
7	Amin, M. A., La Fata, A., Procopio, R., Invernizzi, M., Petronijevic, M., & Mitic, I. R. (2024, June). Photovoltaic Power Nowcasting Using Decision-Trees Based Algorithms and Neural Networks. In 2024 11th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN) (pp. 1-6). IEEE.		
8	Peruničić-Draženović, B., Milosavljević, Č., Huseinbegović, S., Veselić, B., & Petronijević, M. (2023). Discrete-Time Sliding Mode Control for Electrical Drives and Power Converters. In Women in Power: Research and Development Advances in Electric Power Systems (pp. 443-466). Cham: Springer International Publishing.		
9	Kostić, V., Mitrović, N., Petronijević, M., Banković, B., & Filipović, F. (2024). SKEW CONTROL OF RAIL MOUNTED WIDE SPAN MULTI-MOTOR DRIVES. Facta Universitatis, Series: Automatic Control and Robotics, 23(1), 017-032.		
10	Dimitrijević, M., Petronijević, M., & Klimenta, D. (2025). Evaluation of Photovoltaic Inverters According to Output Current Distortion in a Steady-State and Maximum Power Point Tracking. Applied Sciences, 15(3), 1110.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	196	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	25	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Rančić Z. Lidija		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Mathematics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2016	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Mathematics	
PhD	2005	University of Niš, Faculty of Sciences and Mathematics	Electrical and Computer Engineering	Mathematics	
Specialization					
Magister	1995	University of Niš, Faculty of Philosophy	Electrical and Computer Engineering	Mathematics	
Master					
Diploma	1988	University of Niš, Faculty of Philosophy	Mathematical Sciences	Mathematics	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEM5A06	Differential equations	L	Electrical Engineering and Computer Science	BAS
2	4OEZ1O01	Mathematics 1	L	Electrical Engineering and Computer Science	BAS
3	4OEZ2O01	Mathematics 2	L	Electrical Engineering and Computer Science	BAS
4	4OEU4A01	Mathematical Methods	L	Electrical Engineering and Computer Science	BAS
5	4OEE4A03	Numerical Mathematics	L	Electrical Engineering and Computer Science	BAS
6	4OEM4A06	Numerical Mathematics	L	Electrical Engineering and Computer Science	BAS
7	4OER4A03	Numerical Algorithms	L	Electrical Engineering and Computer Science	BAS
8	4OEK6B01	Fourier Analysis and Applications	L	Electrical Engineering and Computer Science	BAS
9	4MEP1C02	Methods of mathematical optimization	L	Electrical Power Engineering	MAS
10	4MKK1A02	Numerical Solution of Equations	L	Communications and Information Technologies	MAS
Representative references (at minimum 5, not more than 10)					
1	Lidija Z. Rančić, Svetozar R. Rančić : Basins of attractions of new iterative methods for finding simple zeros, Facta Universitatis, Series: Mathematics and Informatics, Volume 39, Issue 5, (2024) 843 – 849.				
2	Lidija Rančić, Svetozar R. Rančić: Higher order family of simultaneous methods for finding simple zeros of analytic functions, The 6th International Conference Mechanical Engineering in XXI Century, December 14-15, 2023, Niš, Serbia				
3	Ivan Petković, Lidija Z. Rančić: Computational geometry as a tool for studying root-finding methods, Filomat 33:4 (2019), 1019-1027				
4	Lidija Rančić, Miodrag Petković, New simultaneous root-finding methods with accelerated convergence for analytic functions, Journal of Computational and Applied Mathematics, 296, (2016) 228-236				
5	Lidija Rančić, Family of simultaneous methods with corrections for approximating zeros of analytic functions, Filomat 29:10 (2015) 2217-2225				
6	Miodrag S. Petković, Lidija Z. Rančić: On the guaranteed convergence of a cubically convergent Weierstrass-like root-finding method, International Journal of Computer Mathematics, 92 6 (2015), 1303-1312.				
7	Miodrag S. Petković, Lidija Z. Rančić: On the guaranteed convergence of new two-point root-finding methods for polynomial zeros, Numerical Algorithms 67 1 (2014), 187-222				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	42	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	20	Number of international projects at which the lecturer currently participates			0
Specializations					
Other data considered relevant					

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Stajić P. Zoran		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	1996	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEU5A03	Electrical Machines	L	Electrical Engineering and Computer Science	BAS
2	4OEP3O04	Electromechanical Energy Conversion	L	Electrical Engineering and Computer Science	BAS
3	4OEP7B03	Engineering Entrepreneurship	L	Electrical Engineering and Computer Science	BAS
4	4OEP6O04	Testing of Electrical Machines	L	Electrical Engineering and Computer Science	BAS
5	4OEP5O02	Alternating Current Machines	L	Electrical Engineering and Computer Science	BAS
6	4OEP6A02	Practicum in Industrial Power Engineering	L	Electrical Engineering and Computer Science	BAS
7	4OEP8O03	Seminar Topics in Electrical Power Engineering	L	Electrical Engineering and Computer Science	BAS
8	4OEP7A03	Control and Automation of Energy Distribution Networks	L, OFE	Electrical Engineering and Computer Science	BAS
9	4MEP2B01	Modelling of Electrical Machines and Drives	L	Electrical Power Engineering	MAS
10	4MEP1B03	Electricity Market and Deregulation	L	Electrical Power Engineering	MAS
11	4MEP1C01	Asset Maintenance Management in Energy Distribution Networks	L, OFE	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	Dejan Brkić, Pavel Praks, Martin Marek, Uroš Ilić, and Zoran Stajić, "Reducing the number of input variables through symbolic regression", Electronic Research Archive, 2025.				
2	M. Milošević, M. Radić, M. Rašić-Amon, D. Litričin, Z. Stajić, „Diagnostics and Control of Pumping Stations in Water Supply Systems: Hybrid model for Fault Operating Modes“, Processes 2022, 10, 1475, pp. 1-31. https://doi.org/10.3390/pr10081475 ISSN 2227-9717, 2022.				
3	Rašić-Amon, M., Radić, M., Stajić, Z., Brkić, D. and Praks, P. „Simplified indirect estimation of pump flow discharge: An example from Serbia“. Water, Vol. 13, No. 6, paper No. 796, https://doi.org/10.3390/w13060796 , 2021.				
4	Miloš Božić, Miloš Stojanović, Zoran Stajić, Nenad Floranović, „Mutual Information-Based Inputs Selection for Electric Load Time Series Forecasting“, International and interdisciplinary open access journal Entropy 2013, 15(3), 926-942; doi:10.3390/e15030926 (doi registration under processing) - published online 27 February 2013, ISSN 1099-4300 http://www.mdpi.com/1099-4300/15/3/926				
5	Miloš B. Stojanović, Miloš M. Božić, Milena M. Stanković, Zoran P. Stajić, „A methodology for training set instance selection using mutual information in time series prediction,“ Neurocomputing 2014, published by Elsevier, pp. 236-245, Volume 141(2014), ISSN 0925-2312				
6	P. D. Rančić, Z. P. Stajić, B. S. Tošić, and Đ. R. Đorđević, "Analysis of Linear Ground Electrodes Placed in Vertical Three-Layer Earth", IEEE Trans. on Magnetics, Vol. 32, No. 3, pp. 1505-1508, May 1996.				
7	Z. P. Stajić, D. S. Petrović, D. B. Arnautović, "Starting Generator Driving Torque Modelling in the Studies of Synchronous Starting of Synchronous Machines", Facta Universitatis, Series: Electronics and Energetics, Vol. 15, No. 3, December 2002.				
8	Z. P. Stajić, D. S. Petrović, Đ. R. Vukić, "Mathematical Modeling of Synchronous Starting of Synchronous Machines in Three-Machine Systems - a MATHEMATICA Approach", Buletinul Stientific al Universtatii "Politehnica" din Timisoara, Transactions on Automatic Control and Computer Science", Vol. 42 (56), pp. 171-178, December 1997. (ISSN 1224-600X)				

9	Z. P. Stajić, V. Milenković, "A Measuring Information System for Pump Station Controlling in Function of Preventive Engineering", Facta Universitatis, Series "Working and living environmental protection", Vol. 3, No. 1, pp. 73-81, 2006.		
10	Zoran P. Stajić, Aleksandar Janjić, Zoran Simendić, "Power Quality and Electrical Energy Losses as a Key Drivers for Smart Grid Platform Development", Proceedings of the 15th WSEAS International Conference on Systems, "Recent Researches in System Science", Publisher, WSEAS Press, Corfu Island, Greece, pp. 417-422, July 14-16, 2011, ISSN: 1792-4235, ISBN: 978-1-61804-023-7.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	163	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	15	Number of international projects at which the lecturer currently participates	0
Specializations			
Successfully completing the Innovation Consultants' Development Programme held in Belgrade, Serbia 2006, Centre for Research and Innovation Management (CENTRIM), University of Brighton			
Other data considered relevant			
Member of Scientific Board for Energy, Mining, and Energy Efficiency in Ministry of Science, Technological Development and Innovation			

Table 9.1 Scientific, artistic, and expert qualifications of the lecturer and their teaching duties

Last name, middle letter, first name			Tasić S. Dragan		
Title			Full professor		
The name of the institution in which the lecturer works full or part time and since when			University of Niš, Faculty of Electronic Engineering		
Specific scientific field			Electrical Power Engineering		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2007	University of Niš	Electrical and Computer Engineering	Electrical Power Engineering	
PhD	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Specialization					
Magister	1991	University of Belgrade, School of Electrical Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
Master					
Diploma	1986	University of Belgrade, School of Electrical Engineering	Electrical and Computer Engineering	Electrical Power Engineering	
List of courses the teacher is accredited to teach at the first or second cycle of studies.					
No.	Course code	Course name	Type of lectures	Study programme name	Type of studies
1	4OEP7O03	Power System Analysis	L	Electrical Engineering and Computer Science	BAS
2	4OEP6A01	Power Cable Engineering	L	Electrical Engineering and Computer Science	BAS
3	4OEP5A01	Electric Power Components	L	Electrical Engineering and Computer Science	BAS
4	4OEP5O03	Electric Power Transmission	L	Electrical Engineering and Computer Science	BAS
5	4OEP8A03	Groundings	L	Electrical Engineering and Computer Science	BAS
6	4MEP2B02	Selected Chapters of Power Systems Analysis	L	Electrical Power Engineering	MAS
Representative references (at minimum 5, not more than 10)					
1	B. Perović, D. Tasić, D. Klimenta, J. Radosavljević, M. Jevtić, M. Milovanović, "Optimising the thermal environment and the ampacity of underground power cables using the gravitational search algorithm", IET Generation, Transmission & Distribution, The Institution of Engineering Technology, ISSN 1751-8687, Vol. 12, No. 2, pp. 423-430, 2018, https://doi.org/10.1049/iet-gtd.2017.0954 .				
2	M. Milovanović, D. Tasić, J. Radosavljević, B. Perović, "Optimal Placement and Sizing of Inverter Based Distributed Generation Units and Shunt Capacitors in Distored Distribution Systems Using a Hybrid Phasor Particle Swarm Optimization and Gravitational Search Algorithm", Electric Power Components and Systems, ISSN 1532-5008, Vol. 48, No 6-7, pp. 543-557, 2020., https://doi.org/10.1080/15325008.2020.1797934 .				
3	D. Klimenta, D. Tasić, M. Jevtić, "The Use of Hydronic Asphalt Pavements as an Alternative Method of Eliminating Hot Spots of Underground Power Cables", Applied Thermal Engineering, ISSN 1359-4311, Vol. 168, Article 114818, 2020., https://doi.org/10.1016/j.applthermaleng.2019.114818				
4	D. Klimenta, J. Lekić, S. Arsić, D. Tasić, N. Krstić, D. Radosavljević, "A Novel Procedure for Quick Design of Off-Grid PV Water Pumping Systems for Irrigation", Electronics and Electrical Engineering, ISSN 1392-1215, Vol. 27, No. 2, 2021., pp. 55-68, https://doi.org/10.5755/j02.eie.28503				
5	N. Kostić, N. Hadžiefendić, D. Tasić, M. Kostić, "Improved measurement accuracy of industrial-commercial thermal imagers when inspecting low-voltage electrical installations", Measurement, ISSN 0263-2241, Vol. 185, Article 109934, 2021., https://doi.org/10.1016/j.measurement.2021.109934 .				
6	D. Vučković, D. Jovanović, N. Cvetković, D. Tasić, K. Kasaš-Lažetić, "An Approximate Model for Determining the Resistance of a Hemispherical Ground Electrode Placed on a Non-homogeneous Truncated Cone", Acta Polytechnica Hungarica, ISSN 1785-8860, Volume 20, No 6, 2023, pp. 119-133, DOI: 10.12700/APH.20.6.2023.6.7				
7	M. Šućurović, D. Klimenta, D. Tasić, "Correction of the IEC Formula for the Eddy-Current Loss Factor: The Case of Single-Core Cables in Trefoil Formation With Metallic Screens Bonded and Earthed at One End", Facta Universitatis, Series: Electronics and Energetics Vol. 37, No. 2, June 2024, pp. 391-408, https://doi.org/10.2298/FUEE2402391S				
8	N. Krstić, D. Tasić, D. Klimenta, M. Milovanović, "Improving the Operation of a Distribution Network by Optimal Siting and Sizing of Photovoltaic – Battery Energy Storage Systems", Electronics and Electrical Engineering, ISSN 1392-1215, Vol. 30, No. 5, 2024., pp. 70-82, https://doi.org/10.5755/j02.eie.38870				
9	N. Krstić, D. Tasić, D. Klimenta, "Optimal Placement of Bypass Diodes in PV Modules for Energy Production Improvement Under Partial Shading Conditions", Facta Universitatis, Series: Electronics and Energetics Vol. 38, No. 2, June 2025, pp. 337-353, https://doi.org/10.2298/FUEE2502337K				

10	N. N. Krstić, D. S. Tasić, “Power and Location of the Maximum Power Points of Photovoltaic Array in the Case of Partial Shading”, 58th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST)– Nis, Serbia, 29 June – 01 July, 2023, DOI: 10.1109/ICEST58410.2023.10187251, https://ieeexplore.ieee.org/document/10187251		
	Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer		
Total number of citations	134	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	23	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			
So far, as an author or co-author, he has published 191 papers (23 papers in journals from the SCIE list), three monographs, seven university textbooks, and three workbooks. Co-author of nine technical solutions. Participated in 16 domestic research projects and five international projects. Project leader of four domestic projects. Reviewed a large number of university textbooks, professional reports and studies.			