

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

Last name, middle letter, first name			Aleksić M. Sanja		
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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
Specialization					
Magister	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Applied Physics	
Master					
Diploma	1995	University of Niš, Faculty of Philosophy	Physical Sciences	Physics	
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	4OEM8A01	Nanotechnology	L, E	Electrical Engineering and Computer Science	BAS
2	4OEM5A01	Renewable Energy	L, E	Electrical Engineering and Computer Science	BAS
3	4OEM4A03	Fundamentals of Quantum and Statistical Physics	E	Electrical Engineering and Computer Science	BAS
4	4OEM7A01	Photovoltaic devices and systems	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4MEK1A15	Energy, Environment and Sustainable Development	L, E	Electron Devices and Microsystems	MAS
6	4MEK1A04	Laser Electronics	L	Electron Devices and Microsystems	MAS
7	4MEK1A09	Basics of Photovoltaic conversion	L	Electron Devices and Microsystems	MAS
8	4MEK1A14	Energy storage systems in modern propulsion units	L	Electron Devices and Microsystems	MAS
9	4MKS1A10	Techno-economic and ecological aspects of communication systems	L	Communications and Information Technologies	MAS
10	4MEK2A03	Technologies of Organic Semiconductor Materials and Devices	L, E	Electron Devices and Microsystems	MAS
11	4MEK1A10	Photovoltaic technologies and devices	L	Electron Devices and Microsystems	MAS
12	4MEK2A05	Photovoltaic Systems	L	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Sanja Aleksić, Dragana Markušev, Dragan Pantić, Mihajlo Rabasović, Dragan Markušev, Dragan Todorović, „Electro-acustic influence of the measuring system on the photoacoustic signal amplitude and phase in frequency domain”, Facta universitatis - series Physics Chemistry and Technology 14(1):9-20, January 2016				
2	Sanja Aleksić, Aleksandar Pantić, Dragan Pantić, “High electric field stress model of n-channel VDMOSFET based on artificial neural network”, Journal of Computational Electronics, pp. 1-10, April 2018.				
3	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Jose Ordenez-Miranda, „Effects of the photogenerated excess carriers on the thermal and elastic properties of n-type silicon excited with a modulated light source: Theoretical analysis”, Journal of Applied Physics 126(18), November 2019.				
4	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, D. M. Todorović, Jose Ordenez-Miranda, „Experimental Photoacoustic observation of the Photogenerated Excess Carrier Influence on the Thermoelastic Response of n-type Silicon“, Journal of Applied Physics, vol. 128, no. 9, September 2020.				
5	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Dragan Lukić, Jose Ordenez-Miranda, „Enhancement of the Thermoelastic Component of the Photoacoustic Signal of Silicon Membranes Coated with a Thin TiO2 Film“, Journal of Applied Physics, vol. 131, no. 8, 2022.				
6	N. Stanojevic, D. K. Markushev, S.M. Aleksić, D.S. Pantić, S.P. Galović, D. D. Markushev, J. Ordenez-Miranda, “Thermal characterization of n-type silicon based on an electro-acoustic analogy“, Journal of Applied Physics, 133, 245102 (2023).				
7	D. K. Markushev, N. Brankovic, S. Aleksic, D. Pantic, S. Galovic, D. D. Markushev, J. Ordenez-Miranda, “The Influence of Excess Free Carriers as Heat Carriers on the n-Type Silicon Thermoelastic Photoacoustic Responses Explained by Electro-Acoustic Analogies”, International Journal of Thermophysics, 45(107), August 2024.				
8	D. K. Markushev, N. Brankovic, S. Galovic, K. Djordjevic, S. Aleksic, D. Pantic, D. D. Markushev, “The cut-off frequency – a key concept in the heat flow measurements based on the thermoelastic photoacoustic response”, Measurement, 248(2):116902, May 2025.				

9	Ivan Zlatković, Aleksandra Stanković, Rade Nikolov, Branislav Brindić, Dragan Pantić, „Microchannel Plate (MCP)”, 54th International Scientific Conference on Information, Communication and Energy System and Technology (ICEST), Ohrid, June 2019.		
10	Neda Stanojević, Aleksandar Pantić, Filip Filipović, Bojan Banković, Sanja Aleksić, Milutin Petronijević, Dragan Pantić, “CAD Analysis of Grid-on Photovoltaic Power Plant Design and Cost-effectiveness”, 15th International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS), October 2021.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	69	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	9	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			
Solar Components: Solved Problems and Exercises, S. Aleksić, A. Pantić, N. Stanojević, A. Petković, D. Pantić, Faculty of Electronic Engineering, 2023. ISBN: 978-86-6125-263-1			

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

Last name, middle letter, first name			Danković M. Danijel		
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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Nanotechnology and Microsystems	
Specialization					
Magister	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
Master					
Diploma	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics and 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	4OEM5O02	Analog Microelectronics	L, OFE	Electrical Engineering and Computer Science	BAS
2	4OEM6O02	Digital Microelectronics	L, E, OFE	Electrical Engineering and Computer Science	BAS
3	4OEZ2O04	Electronic Devices	L	Electrical Engineering and Computer Science	BAS
4	4OEM4A02	Components for Telecommunications	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4OEM7A04	Design of Programmable Components	L, E	Electrical Engineering and Computer Science	BAS
6	4OEM7O02	Printed Circuit Boards Design	L, E	Electrical Engineering and Computer Science	BAS
7	4OER8A10	Microcontroller-Based Systems	L	Electrical Engineering and Computer Science	BAS
8	4OEM8B02	Project Management	L, OFE	Electrical Engineering and Computer Science	BAS
9	4MEK2A04	Multi-Layer Printed Circuit Boards Design	L	Electron Devices and Microsystems	MAS
10	4MEK1A06	RF Microelectronics	L, E	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Miloš Marjanović, Stefan D. Ilić, Sandra Veljković, Nikola Mitrović, Umutcan Gurer, Ozan Yilmaz, Aysegul Kahraman, Aliekber Aktag, Huseyin Karacali, Erhan Budak, Danijel Danković, Goran Ristić and Ercan Yilmaz, “The SPICE Modeling of a Radiation Sensor Based on a MOSFET with a Dielectric HfO2/SiO2 Double-Layer”, Sensors, vol. 25, no. 2, p. 546, 2025, ISSN 1424-8220, DOI: https://doi.org/10.3390/s25020546 , https://www.mdpi.com/1424-8220/25/2/546				
2	Snežana Djorić-Veljković, Emilija Živanović, Vojkan Davidović, Sandra Veljković, Nikola Mitrović, Goran Ristić, Albena Paskaleva, Dencho Spassov, Danijel Danković, “Recovery Analysis of Sequentially Irradiated and NBT-Stressed VDMOS Transistors”, Micromachines, vol. 16, no. 1, p. 27, 2025, ISSN 2072-666X, DOI: https://doi.org/10.3390/mi16010027 , https://www.mdpi.com/2072-666X/16/1/27				
3	Emilija Živanović, Sandra Veljković, Nikola Mitrović, Igor Jovanović, Snežana Đorić-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, p. 503, 2024, ISSN 2072-666X, DOI: 10.3390/mi15040503, https://www.mdpi.com/2072-666X/15/4/503				
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, vol. 150, p. 115213 (1-6) (2023), ISSN 0026-2714 (Print), ISSN: 1872-941X (Online), DOI: 10.1016/j.microrel.2023.115213, https://www.sciencedirect.com/science/article/pii/S002627142300313X				
5	Danijel Danković, Miloš Marjanović, Nikola Mitrović, Emilija Živanović, Milan Danković, Aneta Prijić, and Zoran Prijić, “The Importance of Students’ Practical Work in High Schools for Higher Education in Electronic Engineering”, IEEE Transaction on Education, vol. 66, no. 2, pp. 146-155 (2023), ISSN 0018-9359 (Print), ISSN 1557-9638 (Online), DOI: 10.1109/TE.2022.3202629, https://ieeexplore.ieee.org/document/9891805				
6	Nikola Mitrović, Sandra Veljković, Vojkan Davidović, Snežana Djorić-Veljković, Snežana Golubović, Emilija Živanović, Zoran Prijić, Danijel Danković, “Impact of negative bias temperature instability on p-channel power VDMOSFET used in practical applications”, Microelectronics Reliability, vol. 138, p. 114634 (1-5) (2022), ISSN 0026-2714 (Print), ISSN 1872-941X (Online), DOI: 10.1016/j.microrel.2022.114634, https://www.sciencedirect.com/science/article/pii/S0026271422001585				

7	Sandra Veljković, Nikola Mitrović, Vojkan Davidović, Snežana Golubović, Snežana Djorić-Veljković, Albena Paskaleva, Dencho Spassov, Srboljub Stanković, Marko Andjelković, Zoran Prijić, Ivica Manić, Aneta Prijić, Goran Ristić, Danijel Danković, “Response of Commercial p-Channel Power VDMOS Transistors to Irradiation and Bias Temperature Stress”, Journal of Circuits, Systems, and Computers, vol. 31, p. 2240003 (1-25) (2022), ISSN 0218-1266 (Print), ISSN 1793-6454 (Online), DOI: 10.1142/S0218126622400035, https://www.worldscientific.com/doi/10.1142/S0218126622400035		
8	Danijel Danković, Vojkan Davidović, Snežana Golubović, Sandra Veljković, Nikola Mitrović, Snežana Djorić-Veljković, “Radiation and Annealing Related Effects in NBT Stressed P-Channel Power VDMOSFETs”, Microelectronics Reliability, vol. 126, p. 114273 (1-5) (2021), ISSN 0026-2714, DOI: 10.1016/j.microrel.2021.114273, https://www.sciencedirect.com/science/article/pii/S0026271421002390		
9	Nikola Mitrović, Danijel Danković, Branislav Ranđelović, Zoran Prijić, Ninoslav Stojadinović, “Modeling of Static Negative Bias Temperature Stressing in p-channel VDMOSFETs using Least Square Method”, Informacije MIDEM, Journal of Microelectronics, Electronic Components and Materials, vol. 50, no. 3, pp. 205-214 (2020), ISSN 0352-9045, UDK: 621.3:(53+54+621+66), DOI: 10.33180/InfMIDEM2020.305, http://www.midem-drustvo.si/Journal%20papers/MIDEM_50(2020)3p205.pdf		
10	Miloš Djordjević, Branislav Jovičić, Stefan Marković, Vesna Paunović, Danijel Danković, “A smart data logger system based on sensor and Internet of Things technology as part of the smart faculty”, Journal of Ambient Intelligence and Smart Environments, vol. 12, no. 4, pp. 359-373 (2020), ISSN 1876-1364 (Print), ISSN 1876-1372 (Electronic), DOI: 10.3233/AIS-200569, https://content.iospress.com/journals/journal-of-ambient-intelligence-and-smart-environments/12/4 .		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	311	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	41	Number of international projects at which the lecturer currently participates	3
Specializations			
Other data considered relevant			
https://www.npao.ni.ac.rs/elektronski-fakultet/540-danijel-m-dankovic/540-danijel-m-dankovic			

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

Last name, middle letter, first name			Davidović S. 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			Microelectronics and Microsystems		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2024	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics and Microsystems
PhD	2010	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
Specialization					
Magister	1996	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
Master					
Diploma	1990	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
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	4OEM5O03	Characterization of Electronic Devices	L, E	Electrical Engineering and Computer Science	BAS
2	4OEM6A01	Reliability of Microelectronic Devices	L, E	Electrical Engineering and Computer Science	BAS
3	4OEM8B01	Technical Documentation	L, OFE	Electrical Engineering and Computer Science	BAS
4	4MEE1A18	Nanoelectronics	L, E	Electronics and Embedded Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Nikola Mitrović, Sandra Veljković, Vojkan Davidović, Snežana Djorić-Veljković, Snežana Golubović, Emilijan Živanović, Zoran Prijić, Danijel Danković, “Impact of negative bias temperture instability on p-channel power VDMOSFET used in practical applications”, Microelectronics Reliability, Vol. 138(9), Article number 114634, pp. 114634-1-114634-5 (November 2022) ISSN: 00262714, DOI: 10.1016/j.microrel.2022.114634,				
2	Sandra Veljković, Nikola Mitrović, Vojkan Davidović, Snežana Golubović, Snežana Djorić-Veljković, Albena Paskaleva, Dencho Spassov, Srboljub Stanković, Marko Andjelković, Zoran Prijić, Ivica Manić, Aneta Prijić, Goran Ristić, Danijel Danković, “Response of Commercial p-Channel Power VDMOS Transistors to Irradiation and Bias Temperature Stress ”, Journal of Circuits, Systems and Computers, 31(18) (April 2022), Open Access, Vol. 31(18), Article number 2240003, pp. 2240003-1-25 (2022) DOI: 10.1142/S0218126622400035,				
3	Danijel Danković, Vojkan Davidović, Snežana Golubović, Sandra Veljković, Nikola Mitrović, Snežana Djorić-Veljković, “Radiation and annealing related effects in NBT stressed P-channel power VDMOSFETs”, Microelectronics Reliability, Vol. 126(8):114273 (October 2021), pp. 114273-1- 114273-5 ISSN: 0026-2714, https://www.sciencedirect.com/science/article/abs/pii/S0026271421002390 DOI: 10.1016/j.microrel.2021.114273,				
4	Dencho Spassov, Albena Paskaleva, Elzbieta Guziewicz, Vojkan Davidović, Srboljub Stanković, Snežana Djorić-Veljković, Tzvetan Ivanov, Todor Stanchev and Ninoslav Stojadinović, “Radiation Tolerance and Charge-Trapping Enhancement of ALD HfO2/Al2O3 Nanolaminated Dielectrics”, MDPI Materials, 14(4):849 (February 2021), ISSN: 1996-1944, DOI: 10.3390/ma14040849, https://doi.org/10.3390/ma14040849 ,				
5	Vojkan Davidović, Danijel Danković, Snežana Golubović, Snežana Djorić-Veljković, Ivica Manić, Zoran Prijić, Aneta Prijić, Ninoslav Stojadinović, Srboljub Stanković, “NBT stress and radiation related degradation and underlying mechanisms in power VDMOSFETs”, Facta Universitatis, Series: Electronics and Energetics, Vol. 31, pp. 367-388 (2018), ISSN 0353-3670 (Print) 2217-5997 (Online), https://doi.org/10.2298/FUEE1803367D (invited paper)				
6	Vojkan Davidović, Danijel Danković, Aleksandar Ilić, Ivica Manić, Snežana Golubović, Snežana Djorić-Veljković, Zoran Prijić, Aneta Prijić, and Ninoslav Stojadinović, “Effects of consecutive irradiation and bias temperature stress in p-channel power vertical double-diffused metal oxide semiconductor transistors”, Japanese Journal of Applied Physics, Vol. 57, p 044101 (10pp) (2018), https://doi.org/10.7567/JJAP.57.044101				
7	Ninoslav Stojadinović, Snežana Djorić-Veljković, Vojkan Davidović, Snežana Golubović, Srboljub Stanković, Aneta Prijić, Zoran Prijić, Ivica Manić, Danijel Danković, “ NBTI and irradiation related degradation mechanisms in power VDMOS transistors”, Microelectronics Reliability, vol. 88-90, pp. 135-141 (2018), ISSN 0026-2714, DOI: 10.1016/j.microrel.2018.07.138, https://www.sciencedirect.com/science/article/pii/S0026271418307224				

8	Danijel Danković, Ivica Manić, Aneta Prijić, Vojkan Davidović, Zoran Prijić, Snežana Golubović, Snežana Djorić-Veljković, Albena Paskaleva, Dencho Spasov, Ninoslav Stojadinović, “A review of pulsed NBTI in P-channel power VDMOSFETs”, Microelectronics Reliability, vol. 82, pp. 28-36 (2018), (invited paper) ISSN 0026-2714, DOI: 10.1016/j.microrel.2018.01.003, https://www.sciencedirect.com/science/article/pii/S0026271418300039		
9	Danijel Danković, Ivica Manić, Vojkan Davidović, Aneta Prijić, Miloš Marjanović, Aleksandar Ilić, Zoran Prijić, Ninoslav Stojadinović, “ On the recoverable and permanent components of NBTI in p-channel power VDMOSFETs”, IEEE Transactions on Device and Materials Reliability, vol. 16, no. 4, pp. 522-531 (2016), ISSN 1530-4388, DOI: 10.1109/TDMR.2016.2598557, http://ieeexplore.ieee.org/document/7536114/		
10	Vojkan Davidović, Danijel Danković, Aleksandar Ilić, Ivica Manić, Snežana Golubović, Snežana Djorić-Veljković, Zoran Prijić, Ninoslav Stojadinović, “NBT and irradiation effects in negative bias temperature instability in p-channel power VDMOSFET”, IEEE Transaction on Nuclear Science, Vol. 63, no. 2, pp. 1268-1275 (2016), ISSN 0018-9499, DOI: 10.1109/TNS.2016.2533866, http://ieeexplore.ieee.org/document/7454831/		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	389	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	43	Number of international projects at which the lecturer currently participates	1
Specializations			
Proces and Device Modeling, Middlesex University, London, UK, 1992			
Other data considered relevant			
CHAPTER IN INTERNATIONAL MONOGRAPHY: D. Danković, I. Manić, S. Djorić-Veljković, V. Davidović, S. Golubović, and N. Stojadinović “Implications of Negative Bias Temperature Instability in Power MOS Transistors” in “Micro Electronic and Mechanical Systems”, ISBN 978-953-307-027-8, edited by Kenichi Takahata, IN-TECH Press, Boca Raton, pp. 19.319-19.342 (2009)			
NATIONAL MONOGRAPHY: Snežana Golubović, Snežana Djorić-Veljković, Ivica Manić, Vojkan Davidović, "Effects of Gate Oxide Stressing in Power VDMOS Transistors", University of Niš, Faculty of Electronic Engineering, 2006 (in Serbian)			

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

Last name, middle letter, first name			Dimitrijević A. Marko		
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			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	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
Specialization					
Magister	2005	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
Master					
Diploma	2002	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics and 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	4OEE6C02	Virtual Instruments	L, E, OFE	Electrical Engineering and Computer Science	BAS
2	4OEE3O01	Basics of Electronics	L	Electrical Engineering and Computer Science	BAS
3	4OEZ2O05	Introduction to Electronics	L	Electrical Engineering and Computer Science	BAS
4	4MEE1A04	Open Source Operating Systems	L, E, OFE	Electronics and Embedded Systems	MAS
5	4MEE2A03	System on Chip	L, OFE	Electronics and Embedded Systems	MAS
6	4MEE1A14	Open-source Hardware	L, OFE	Electronics and Embedded Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Milutin Petronijević, Ivana Radonjić, Marko Dimitrijević, Lana Pantić, Martin Čelesan: Performance Evaluation of Single-Stage Photovoltaic Inverters Under Soiling Conditions, Ain Shams Engineering Journal, Elsevier BV, January, 2024, Vol. 15, Issue 1, pp. 1-18, ISSN 2090-4479, https://doi.org/10.1016/j.asej.2023.102353				
2	Marko Dimitrijević, Milutin Petronijević, Dardan Klimenta: Evaluation of Photovoltaic Inverters According to Output Current Distortion in a Steady-State and Maximum Power Point Tracking, Applied Sciences, Section: Electrical, Electronics and Communications Engineering, Vol. 15, Issue 3, 23.01., 2025, pp. 1-16, ISSN: 2076-3417, https://doi.org/10.3390/app15031110				
3	Marko Dimitrijević, Milutin Petronijević: The System for Distributed Energy Resources Testing According to the IEEE 1547-2018 Standard, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 42 No. 5, Emerald Publishing, August, 2023, pp. 1019-1036, ISSN 0332-1649, (IF2 1.0, IF5 0.7) https://doi.org/10.1108/COMPEL-01-2023-0023				
4	Miona Andrejević-Stošović, Ivan Litovski, Duško Lukač, Marko Dimitrijević, Vančo Litovski: Small Signal Model of a Solar Cell, Simulation: Transactions of the Society for Modeling and Simulation International, pp. 1231-1243, Sage Science Press, London, Vol. 90(11), July 2014, ISSN 0037-5497, https://doi.org/10.1177/0037549714551290				
5	Bojan Anđelković, Marko Dimitrijević, Miona Andrejević Stošović, Vančo Litovski: Parallelizing Electronic Circuit Simulation on Multicore Computer Cluster, Proceedings of the Small Systems Simulation Symposium 2010, Niš, 12.02.-14.02., 2010, pp. 71-74, ISBN 987-86-6125-006-4				
6	Bojan Anđelković, Marko Dimitrijević, Vančo Litovski: Using Grid Computing in Parallel Electronic Circuit Simulation, Proceedings of the Sixteenth International Scientific and Applied Science Conference - Electronics EL'2007, ISBN 1313-1842, Sozopol, Bulgaria, 19.09.-21.09., 2007, Book 4, pp. 109-114				
7	Marko Dimitrijević, Vančo Litovski: Computer Integrated Analogue Electronics Laboratory for Undergraduate Teaching, International Journal of Online Engineering, Kassel University Press, November, 2005, Vol. 1 No. 2 p. 1-4, ISSN 1861-2121				
8	Grigor Y. Zargaryan, Vahram K. Aharonyan, Nazeli V. Melikyan, Marko Dimitrijević: A New Approach of USB HW/SW Co-simulation and Verification, Zbornik LVII konferencije ETRAN, Zlatibor, 03.06.-06.06., 2013, EL1.8				
9	Marko Dimitrijević, Bojan Anđelković, Milan Savić, Vančo Litovski: Gridification and Parallelization of Electronic Circuit Simulator, Zbornik radova VI simpozijuma industrijska elektronika - INDEL 2006, ISBN 99938-793-7-1, Banja Luka, 10.11.-11.11., 2006, pp. 95-100				
10	Marko Cvetković, Milun Jevtić, Marko Dimitrijević: I2C Like Communication for the Power Meter IC, Proceedings of 24th International Conference Miel 2004, ISBN 0-7803-8166-1, Niš, 15.05.-19.05., 2004, Vol. 2 pp. 781-784, https://doi.org/10.1109/ICMEL.2004.1314950				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	47	Number of domestic projects at which the lecturer currently participates			0
Total number of papers on the SCI (SSCI) list	10	Number of international projects at which the lecturer currently participates			1
Specializations					

Technische Universität Ilmenau, Germany, 2004.-2005., IHP Microelectronics Frankfurt (Oder), Germany, 2006., School of Electronics and Computer Science, University of Southampton, United Kingdom, 2009. and Universidad Politécnica de Madrid, Spain, 2013.
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			Dinčić R. Milan		
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 Measuring 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 Measuring Technique	
PhD	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
PhD	2017	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Metrology and Measuring Technique	
Specialization					
Magister					
Master					
Diploma	2007	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	4OEU6A01	Measurement of Non-electrical Quantities	L	Electrical Engineering and Computer Science	BAS
2	4OEK7B07	Computer Systems for Data Acquisition	L	Electrical Engineering and Computer Science	BAS
3	4OEP8A06	Sensors and Measurement of Non-Electrical Quantities in Industry	L	Electrical Engineering and Computer Science	BAS
4	4OEE7C04	Sensors and Measurement of Non-Electrical Quantities in Industry	L	Electrical Engineering and Computer Science	BAS
5	4OEU5A09	Sensors, Transducers and Actuators	L	Electrical Engineering and Computer Science	BAS
6	4MUR1B01	Electromedical Instrumentation	L	Control Systems	MAS
7	4MEE2A10	Measurement Systems in Industry 5.0	L	Electronics and Embedded Systems	MAS
8	4MKK1C02	Measurement Systems in Industry 5.0	L	Communications and Information Technologies	MAS
9	4MEK1A12	Measurement Systems in Industry 5.0	L	Electron Devices and Microsystems	MAS
10	4MRB2B04	Computer Based Sensor Systems	L, E	Computer Science and Informatics	MAS
11	4MUR1A01	Computer Systems for Measurement and Control	L	Control Systems	MAS
12	4MUR2A01	Modern Sensor Technologies and Systems	L	Control Systems	MAS
13	4MUA1B04	Sensors and Transducers in Vehicles	L	Control Systems	MAS
14	4MUR2B03	Telemedical measurement systems	L	Control Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Milan R. Dinčić, Zoran H. Perić, Dragan B. Denić, Bojan D. Denić, Sofija Z. Perić, "Simplified performance evaluation of floating-point formats for implementing intelligent measurement systems", Transactions of the Institute of Measurement and Control, 2025, M22, https://doi.org/10.1177/01423312251319575				
2	Milan R. Dinčić, Milica S. Stojanović, Goran S. Miljković, Dragan B. Denić, "Performance Analysis of Pseudorandom Absolute Position Encoder with Embedded Serial Pseudorandom/natural Code Converter", Facta Universitatis, Series: Electronics and Energetics, vol. 38, no. 1, pp. 109-126, 2025, M23, https://doi.org/10.2298/FUEE2501109D				
3	Zoran Perić, Bojan Denić, Milan Dinčić, Sofija Perić, "An Approximate Closed-Form Expression for Calculating Performance of Floating-Point Format for the Laplacian Source", Informatica, vol. 36, no. 1, pp. 125-140, 2025, M21a+, https://doi.org/10.15388/25-INFOR587				
4	Milan R. Dinčić, Goran S. Miljković, Milica S. Stojanović, Dragan B. Denić, "Improved implementation of serial pseudorandom/natural code converters used in absolute position encoders", Journal of Electrical Engineering, vol. 75, no. 5, pp. 418-424, 2024, M23, https://doi.org/10.2478/jee-2024-0050				
5	Milan R. Dinčić, Zoran H. Perić, Dragan B. Denić, Bojan D. Denić, "Optimization of the fixed-point representation of measurement data for intelligent measurement systems", Measurement vol. 217, 113037, 2023, M21a, https://doi.org/10.1016/j.measurement.2023.113037				
6	Zoran H. Perić, Milan R. Dinčić, "Optimization of the 24-Bit Fixed-Point Format for the Laplacian Source", Mathematics, vol. 11, no. 3, 568, 2023, M21a+, https://doi.org/10.3390/math11030568				
7	Jelena Nikolić, Danijela Aleksić, Zoran Perić, Milan R. Dinčić, "Iterative Algorithm for Parameterization of Two-Region Piecewise Uniform Quantizer for the Laplacian Source", Mathematics, vol. 9, no. 23, 3091, 2021, M21a+, https://doi.org/10.3390/math9233091				

8	Milan R. Dincic, Zoran H. Peric, Dragan B. Denic, "Uniform polar quantizer with three-stage hierarchical variable-length coding for measurement signals with Gaussian distribution", Measurement, vol 88, pp. 214-222, 2016, M21, https://doi.org/10.1016/j.measurement.2016.03.058		
9	Milan R. Dincic, Zoran H. Peric, Dragan B. Denic, "Linearization of the product polar quantizer for A/D conversion of measurement signals", Transactions of the Institute of Measurement and Control, vol. 36, no. 6, pp. 853-864, 2014, M22, https://doi.org/10.1177/0142331214521829		
10	Milan R. Dincic, Zoran H. Peric, Marko D. Petkovic, Dragan B. Denic, "Design of product polar quantizers for A/D conversion of measurement signals with Gaussian distribution", Measurement, vol. 46, no. 8, pp. 2441-2446, 2013, M21, https://doi.org/10.1016/j.measurement.2013.04.063		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	121	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	36	Number of international projects at which the lecturer currently participates	2
Specializations			
Other data considered relevant			
Prof. Milan Dinčić received two Ph.D. degrees in two different areas (Telecommunications in 2012, and Metrology and Measuring Technique in 2017). He finished his master study with the highest average grade of 10 and was awarded as the best graduate student of the University of Niš. He is currently the Project Manager of the Horizon Twinning project “Twinning for Excellence in Adaptive Edge AI, AIDA4Edge” and the Local Coordinator of the Erasmus+ project “Personalized Education in Measurement Science and Technology Empowered by Machine Learning, PEMS-ML”.			

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

Last name, middle letter, first name			Joković J. Jugoslav		
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			Telecommunications		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2025	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	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Telecommunications	
Master					
Diploma	2000	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	4OEK7C03	Audio and Video Systems	L	Electrical Engineering and Computer Science	BAS
2	4OEK5O06	Wireless Communication Systems	L	Electrical Engineering and Computer Science	BAS
3	4OEM7A08	Digital TV systems, services and components	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4OEK5O05	Microwave Technique	L	Electrical Engineering and Computer Science	BAS
5	4OEM6A02	Microwave Technique and Electronics	L, E, OFE	Electrical Engineering and Computer Science	BAS
6	4OEK8B04	Design of Information and Communication Systems and Instalations	L	Electrical Engineering and Computer Science	BAS
7	4OEK6C02	Broadcasting systems and digital television	L	Electrical Engineering and Computer Science	BAS
8	4OEK8O03	Seminar - System Engineering and Radiocommunications	L	Electrical Engineering and Computer Science	BAS
9	4MKS1A08	Electromagnetic Compatibility	E, OFE	Communications and Information Technologies	MAS
10	4MKS1A05	Multimedia systems and interactive services	L, E, OFE	Communications and Information Technologies	MAS
11	4MKS2A02	Advanced Communication Technologies and Services	L, OFE	Communications and Information Technologies	MAS
12	4MKS2A08	Application of electromagnetic software in engineering	L	Communications and Information Technologies	MAS
13	4MKS2A01	Satellite Systems and Services	L	Communications and Information Technologies	MAS
14	4MKS1A10	Techno-economic and ecological aspects of communication systems	L	Communications and Information Technologies	MAS
Representative references (at minimum 5, not more than 10)					
1	Jugoslav Joković, Tijana Dimitrijević, Nebojša Dončov, Bratislav Milovanović, “Efficient Integral Cylindrical TLM Modelling of a Coaxially Loaded Probe-Coupled Cavity”, IET Microwaves, Antennas & Propagation, Institution of Engineering and Technology, Volume 9, Issue 8, pp. 788 – 794, 2015, DOI: 10.1049/iet-map.2014.0587, M23.				
2	Dragan Stević, Igor Hut, Nikola Dojčinović Jugoslav Joković, “Automated identification of land cover type using multispectral satellite images”, Energy and Building, Elsevier, Volume 115, pp. 131–137, 2016, DOI: 10.1016/j.enbuild.2015.06.011, M21.				
3	Tijana Dimitrijević, Jugoslav Joković, Nebojša Dončov, “Efficient Modeling of a Circular Patch-Ring Antenna Using the Cylindrical TLM Approach”, IEEE Antennas and Wireless Propagation Letters, IEEE, Volume 16, Issue 1, pp. 2070-2073, 2017, DOI: 10.1109/LAWP.2017.2696122, M21				
4	Jamal Raiyn, Jugoslav Jokovic, The Application of Advanced IoT in Cyberparks, CyberParks - The Interface Between People, Places and Technology: New Approaches and Perspectives, Springer, pp. 308-323, 2019. DOI: 10.1007/978-3-030-13417-4_10, M13				
5	Tijana Dimitrijević, Jugoslav Joković, Nebojša Dončov, “Frequency Adjustable Dual-Band Microstrip Gap-Ring-Slot Antenna Design using the Cylindrical TLM Method”, The Applied Computational Electromagnetics Society Journal, ACES, Volume 34, Number 5, pp. 631-641, 2019, M21				

6	Jugoslav Joković, Tijana Dimitrijević, Nebojša Dončov, “Computational Analysis and Validation of the Cylindrical TLM Approach on IMCP Antennas”, Wireless Personal Communication, Springer, Volume 106, Issue 3, pp 1573–1589, 2019, DOI: 10.1007/s11277-019-06230-3, M21.
7	Jugoslav Joković, Tijana Dimitrijević, Aleksandar Atanasković, Nebojša Dončov, “Computational Modeling of the Bent Antenna in an On-Body Mode Using the Cylindrical TLM Approach”, Mathematical Problems in Engineering, Hindawi, Volume 2022, Article ID 8486740, 7 pages, 2022, doi: 10.1155/2022/8486740, M23
8	Addanki Prathima, Devendra Singh Gurjar, Suneel Yadav, Dragana Krstic, Nenad Milosevic, Jugoslav Jokovic, “UAV-Assisted Wireless Information and Power Transfer for Self-Sustained IoT Communications”, IEEE Sensors Journal, Volume 22, Number 24, pp. 24593-24606, 2022. DOI: 10.1109/JSEN.2022.3218269, M21
9	Tijana Dimitrijevic, Ana Vukovic, Aleksandar Atanaskovic, Jugoslav Jokovic, Phillip Sewell, Nebojsa Doncov, “Holistic Analysis of Conformal Antennas using the Cylindrical TLM Method”, IEEE Transactions on Antennas and Propagation, Volume 71, Number 5, pp. 4028-4035, 2023. DOI: 10.1109/TAP.2023.3260633, M21
10	Tijana Dimitrijevic, Aleksandar Atanaskovic, Christopfer Smartt, Jugoslav Jokovic, Nebojsa Doncov, “Complex Wire Structures Modeling in the Cylindrical TLM Method”, IEEE Transactions on Electromagnetic Compatibility, Volume 66, Number 2, pp. 606-614, 2024. DOI: 10.1109/TEM.2023.3336390, M23

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer

Total number of citations	173	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	13	Number of international projects at which the lecturer currently participates	2

Specializations

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Other data considered relevant

He is a recipient of the “Aleksandar Marinčić” award by the National Society for Microwave Technique, Technologies and Systems in 2017. He has participated in 6 projects funded by the Serbian Ministry for science. He has participated in two projects funded by the Science Fund, Serbian Scientific Cooperation Program with the Diaspora: Optimising biomedical applicators for cancer care (2021-2023, project team member) and Customized models for flexible antennas design (2025-2026, project leader). He has participated in the two projects funded by the Royal Society Fund, United Kingdom: Predictive design of wearable textile antenna (2021-2023) and Development of a smart sensor solution for damage detection in FRPstrengthened bridges – SmartBridges (2024-2026). Member of Management Committee for 3 EU COST actions.

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			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			Marjanović B. Miloš		
Title			Assistant professor		
The name of the institution in which the lecturer works full or part time and since when			University of Nis, Faculty of Electronic Engineering		
Specific scientific field			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2023	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Nanotechnology and Microsystems	
Specialization					
Magister					
Master					
Diploma	2013	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
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	4OEZ2O04	Electronic Devices	E, OFE	Electrical Engineering and Computer Science	BAS
2	4OEM8O01	Power Devices and Circuits	L	Electrical Engineering and Computer Science	BAS
3	4OEM3O05	Electronic Materials	E	Electrical Engineering and Computer Science	BAS
4	4OEM6A04	Component and Circuit Modeling	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4OEM7A04	Design of Programmable Components	L, OFE	Electrical Engineering and Computer Science	BAS
6	4OEM5O04	Simulation of microelectronic components and circuits	L	Electrical Engineering and Computer Science	BAS
7	4OER8A10	Microcontroller-Based Systems	L, E	Electrical Engineering and Computer Science	BAS
8	4OEM4O01	Microsystem Technologies	E	Electrical Engineering and Computer Science	BAS
9	4OEM6A05	Layout Design of Components and Circuits	L, E, OFE	Electrical Engineering and Computer Science	BAS
10	4OEZ1O03	Physics	E	Electrical Engineering and Computer Science	BAS
11	4MEK1A03	Microelectromechanical Systems (MEMS)	E, OFE	Electron Devices and Microsystems	MAS
12	4MEK1A13	Hardware for Artificial Intelligence	L, E	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Miloš Marjanović, Stefan D. Ilić, Sandra Veljković, Nikola Mitrović, Umutcan Gurer, Ozan Yilmaz, Aysegul Kahraman, Aliekber Aktag, Huseyin Karacali, Erhan Budak, Danijel Danković, Goran Ristić and Ercan Yilmaz, “ The SPICE Modeling of a Radiation Sensor Based on a MOSFET with a Dielectric HfO2/SiO2 Double-Layer”, Sensors 2025, 25(2), 546.				
2	Ercan Yilmaz, Goran Ristić, Rasit Turan, Ozan Yilmaz, Umutcan Gurer, Danijel Danković, Erhan Budak, Miloš Marjanović, Sandra Veljković, Alex Mutale, Aysegul Kahraman, Proposal of Dual-Gate Oxide Layered with HfO2: Comparative Results with SiO2-RadFET, Radiation Physics and Chemistry, 2025, 112691				
3	Marko Andjelkovic, Milos Marjanovic, Bojan Drasko, Cristiano Calligaro, Oliver Schrape, Umberto Gatti, Felipe A. Kuentzer, Stefan Ilic, Goran Ristic and Milos Krstic, "Analysis of Single Event Transient Effects in Standard Delay Cells Based on Decoupling Capacitors", Journal of Circuits, Systems and Computers, Vol. 31, No. 18, 2240007, 2022.				
4	Marko Andjelkovic, Milos Marjanovic, Junchao Chen, Stefan Ilic, Goran Ristic, Milos Krstic, PS-BBICS: Pulse stretching bulk built-in current sensor for on-chip measurement of single event transients, Microelectronics Reliability, 114726, ISSN 0026-2714, 2022				
5	Danijel Dankovic, Miloš Marjanovic, Nikola Mitrovic, Emilija Živanovic, Milan Dankovic,Aneta Prijic, Zoran Prijic, "The Importance of Students’ Practical Work in High Schools for Higher Education in Electronic Engineering," in IEEE Transactions on Education, 2022				
6	Miloš Marjanović; Aneta Prijic; Branislav Randjelović; Zoran Prijic, A Transient Modeling of the Thermoelectric Generators for Application in Wireless Sensor Network Nodes. Electronics 2020, 9, 1015.				
7	Vesna Paunović, Vojislav V. Mitić, Miloš Đorđević, Miloš Marjanović, Ljubiša Kocić, Electrical Characteristics of Er Doped BaTiO3 Ceramics, Science of Sintering, 49 (2017) pp. 129-137.				
8	D. Danković, I. Manić, V. Davidović, A. Prijic, M. Marjanović, A. Ilić, Z. Prijic, N. Stojadinović, "On the Recoverable and Permanent Components of NBTI in P-Channel Power VDMOSFETs", IEEE Trans. Device Mater. Rel., DOI: 10.1109/TDMR.2016.2598557, 2016.				

9	Milos Marjanovic, Aleksandra Stojkovic, Aneta Prijic, Danijel Dankovic, Zoran Prijic, "SPATIAL SPICE MODEL OF A WIRELESS SENSOR NETWORK NODE BASED ON A THERMOELECTRIC GENERATOR", Facta Universitatis, Series: Electronics and Energetics, vol. 35, no. 4, pp. 513-539, 2022.		
10	Miloš Marjanović, Sandra Veljković, Nikola Mitrović, Emilija Živanović, Aleksandar Gavrić, Danijel Danković, "Modified SPICE-Compatible Model Integrating NBTI and Self-Heating Effects for VDMOS Transistors", 11th International Conference on Electrical, Electronics and Computer Engineering (IcETRAN), Nis, 3-6 June 2024.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	48	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	2
Specializations			
IHP - Leibniz Institute for High Performance Microelectronics (2022, 2025)			
Other data considered relevant			
https://www.npao.ni.ac.rs/elektronski-fakultet/1519-milos-marjanovic/1519-milos-marjanovic			
https://www.elfak.ni.ac.rs/cv/milos-marjanovic			
https://mikro.elfak.ni.ac.rs/clanovi-katedre/milos-marianovic-biografiia/			

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

Last name, middle letter, first name			Nikolić S. Goran		
Title			Assistant professor		
The name of the institution in which the lecturer works full or part time and since when			University of Nis, Faculty of Electronic Engineering		
Specific scientific field			Electronics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
PhD	2019	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
Specialization					
Magister	2010	University of Nis, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronics	
Master					
Diploma	2003	University of Nis, 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	4OEE7C01	Automotive Electronics	L, E	Electrical Engineering and Computer Science	BAS
2	4OEE7O06	Embedded hardware and operating systems	L	Electrical Engineering and Computer Science	BAS
3	4OEE6O02	Microcontrollers	L, E	Electrical Engineering and Computer Science	BAS
4	4OEU5O04	Microcontrollers and Programming	L	Electrical Engineering and Computer Science	BAS
5	4OEE6B03	Data Acquisition and Conversion Techniques	L	Electrical Engineering and Computer Science	BAS
6	4OEU5A06	Data Acquisition and Conversion Techniques	L	Electrical Engineering and Computer Science	BAS
7	4MEE2A01	Real Time Operating Systems	L	Electronics and Embedded Systems	MAS
Representative references (at minimum 5, not more than 10)					
1	Goran S. Nikolić, Tatjana R. Nikolić, Goran Lj. Djordjević, "Adaptive Control Based on LMS Algorithm for Grid-Connected Inverters", Electric Power Components and Systems, 51:7, 2023, 656-668, DOI: 10.1080/15325008.2023.2180815				
2	Tatjana R. Nikolic, Goran S. Nikolic, Goran Lj. Djordjevic, "Distributed arbitration scheme for on-chip CDMA bus with dynamic codeword assignment", ETRI Journal / Electronics and Telecommunications Research Institute, Vol. 43, Issue 3, June 2021, pp. 471-482, ISSN: 2233-7326, https://doi.org/10.4218/etrij.2020-0016				
3	Tatjana R. Nikolic, Sandra M. Djosic, Goran S. Nikolic, Goran Lj. Djordjevic, "Token Ring Arbitration Scheme for On-Chip CDMA Bus Architectures", Microelectronics Journal, Volume 106, December 2020, Article 104923, https://doi.org/10.1016/j.mejo.2020.104923				
4	Goran S. Nikolic, Mile K. Stojcev, Tatjana R. Nikolic, Branislav D. Petrovic, Goran S. Jovanovic, Bojan R. Dimitrijevic, "Implementation and evaluation of 2D SEC-DED forward error correction scheme in wireless sensor networks", Microelectronics Reliability, Volume 78, November 2017, pp 161-180, ISSN: 0026-2714, 2017 Elsevier Ltd., http://dx.doi.org/10.1016/j.microrel.2017.08.010				
5	Goran S. Nikolic, Mile K. Stojcev, Tatjana R. Nikolic, Branislav D. Petrovic, Goran S. Jovanovic, "Reliable data transfer Rendezvous protocol in wireless sensor networks using 2D-SEC-DED encoding technique", Microelectronics Reliability, Volume 65, October 2016, pp 289-309, ISSN:0026-2714, 2017 Elsevier Ltd., https://doi.org/10.1016/j.microrel.2016.08.017				
6	Goran Nikolić, Goran Jovanović, Mile Stojčev, Tatjana Nikolić, "Precharged Phase Detector with Zero Dead-Zone and Minimal Blind-Zone" Journal of Circuits, Systems and Computers, Vol. 26, No. 11, 1750179, 2017, [16 pages], https://doi.org/10.1142/S0218126617501791				
7	Tatjana R. Nikolic, Goran S. Nikolic, Goran Lj. Djordjevic, Mile K. Stojcev, "Improving fault-tolerance capability of on-chip binary CDMA bus", The Journal of Supercomputing, Volume 72, Issue 1, January 2016, pp. 275-294, ISSN: 0920-8542, DOI: 10.1007/s11227-015-1513-x				
8	Goran Nikolić, Bojan Dimitrijević, Tatjana Nikolić, Mile Stojčev, "Fifty Years of Microprocessor Evolution: From Single CPU to Multicore and Manycore Systems", Facta Universitatis, Series: Electronics and Energetics, Vol. 35, No 2, June 2022, pp. 155-186, https://doi.org/10.2298/FUEE2202155N				
9	Tatjana Nikolić, Mile Stojčev, Goran Nikolić, Goran Jovanović, "Energy Harvesting Techniques In Wireless Sensor Networks", Facta Universitatis (Nis), Series: Automatic Control and Robotics (FU Aut Cont Rob), Vol. 17, No. 2, 2018, pp. 117-142, ISSN: 1820-6417, https://doi.org/10.22190/FUACR1802117N				
10	Goran S. Nikolić, Bojan R. Dimitrijević, Tatjana R. Nikolić, Mile K. Stojčev, "A Survey of Three Types of Processing Units: CPU, GPU and TPU", Proceedings of 57th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST2022), North Macedonia, Ohrid, June 16-18, 2022. Proceeding of Papers, pp. 371-376				

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	74	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			

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

Last name, middle letter, first name			Pantić 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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	1994	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
Specialization					
Magister	1990	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
Master					
Diploma	1986	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
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	4OEZ2004	Electronic Devices	L	Electrical Engineering and Computer Science	BAS
2	4OEM5A01	Renewable Energy	L	Electrical Engineering and Computer Science	BAS
3	4OEM6O04	Design of Microelectronics Devices	L	Electrical Engineering and Computer Science	BAS
4	4OEM7A01	Photovoltaic devices and systems	L	Electrical Engineering and Computer Science	BAS
5	4MEK1A15	Energy, Environment and Sustainable Development	L, E	Electron Devices and Microsystems	MAS
6	4MEK1A03	Microelectromechanical Systems (MEMS)	L	Electron Devices and Microsystems	MAS
7	4MEK1A10	Photovoltaic technologies and devices	L	Electron Devices and Microsystems	MAS
8	4MEK2A05	Photovoltaic Systems	L	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Sanja Aleksić, Dragana Markušev, Dragan Pantić, Mihajlo Rabasović, Dragan Markušev, Dragan Todorović, „Electro-acustic influence of the measuring system on the photoacoustic signal amplitude and phase in frequency domain”, Facta universitatis - series Physics Chemistry and Technology 14(1):9-20, January 2016				
2	Sanja Aleksić, Aleksandar Pantić, Dragan Pantić, “High electric field stress model of n-channel VDMOSFET based on artificial neural network”, Journal of Computational Electronics, pp. 1-10, April 2018.				
3	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Jose Ordonez-Miranda, „Effects of the photogenerated excess carriers on the thermal and elastic properties of n-type silicon excited with a modulated light source: Theoretical analysis”, Journal of Applied Physics 126(18), November 2019.				
4	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, D. M. Todorović, Jose Ordonez-Miranda, „Experimental Photoacoustic observation of the Photogenerated Excess Carrier Influence on the Thermoelastic Response of n-type Silicon“, Journal of Applied Physics, vol. 128, no. 9, September 2020.				
5	Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Dragan Lukić, Jose Ordonez-Miranda, „Enhancement of the Thermoelastic Component of the Photoacoustic Signal of Silicon Membranes Coated with a Thin TiO2 Film“, Journal of Applied Physics, vol. 131, no. 8, 2022.				
6	N. Stanojevic, D. K. Markushev, S.M. Aleksić, D.S. Pantić, S.P. Galović, D. D. Markushev, J. Ordonez-Miranda, “Thermal characterization of n-type silicon based on an electro-acoustic analogy“, Journal of Applied Physics, 133, 245102 (2023).				
7	D. K. Markushev, N. Brankovic, S. Aleksic, D. Pantic, S. Galovic, D. D. Markushev, J. Ordonez-Miranda, “The Influence of Excess Free Carriers as Heat Carriers on the n-Type Silicon Thermoelastic Photoacoustic Responses Explained by Electro-Acoustic Analogies”, International Journal of Thermophysics, 45(107), August 2024.				
8	D. K. Markushev, N. Brankovic, S. Galovic, K. Djordjevic, S. Aleksic, D. Pantic, D. D. Markushev, “The cut-off frequency – a key concept in the heat flow measurements based on the thermoelastic photoacoustic response”, Measurement, 248(2):116902, May 2025.				
9	Ivan Zlatković, Aleksandra Stanković, Rade Nikolov, Branislav Brindić, Dragan Pantić, „Microchannel Plate (MCP)”, 54th International Scientific Conference on Information, Communication and Energy System and Technology (ICEST), Ohrid, June 2019.				
10	Neda Stanojević, Aleksandar Pantić, Filip Filipović, Bojan Banković, Sanja Aleksić, Milutin Petronijević, Dragan Pantić, “CAD Analysis of Grid-on Photovoltaic Power Plant Design and Cost-effectiveness”, 15th International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS), October 2021.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations		341	Number of domestic projects at which the lecturer currently participates		0

Total number of papers on the SCI (SSCI) list	30	Number of international projects at which the lecturer currently participates	0
Specializations			
Technical University Vienna (1994), Ecole Polytechnique Federale de Lausanne, Department de Microtechnique, Lausanne, Switzerland (2001) Ecole Polytechnique Federale de Lausanne, Department de Microtechnique, Lausanne, Switzerland (2001)			
Other data considered relevant			
Solar Components: Solved Problems and Exercises, S. Aleksić, A. Pantić, N. Stanojević, A. Petković, D. Pantić, Faculty of Electronic Engineering, 2023. ISBN: 978-86-6125-263-1 Pantić, D., Pešić, T., & Jovanović, E. (2020). Modeling and Simulation in Microelectronics. University of Niš, Faculty of Electronic Engineering. ISBN: 9788680321346 Principal investigator or researcher on more than 10 national projects funded by the Ministry of Science of the Republic of Serbia and on more than 5 international projects carried out with: Digital Equipment Corporation, Technical University Vienna, Institute for Microelectronics, École Polytechnique Fédérale de Lausanne, Department of Microtechnique, Lausanne, Switzerland, WUS Austria, Austrian Science and Research Liaison Office.			

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

Last name, middle letter, first name			Paunović V. 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			Electronic Materials		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronic Materials	
PhD	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronic Materials	
Specialization					
Magister	2002	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electronic Materials	
Master					
Diploma	1994	University of Niš, Faculty of Philosophy (Chemistry)	Chemical Sciences	Chemistry	
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	4OEP4A01	Electrotechnical Materials	L	Electrical Engineering and Computer Science	BAS
2	4OEM4A04	Materials Characterization	L	Electrical Engineering and Computer Science	BAS
3	4OEM3O05	Electronic Materials	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4OEM8A01	Nanotechnology	L, E	Electrical Engineering and Computer Science	BAS
5	4OEM7O03	Optoelectronics	L	Electrical Engineering and Computer Science	BAS
6	4OEM8A03	Electronics Materials Design	L	Electrical Engineering and Computer Science	BAS
7	4OEM4O01	Microsystem Technologies	L	Electrical Engineering and Computer Science	BAS
8	4MEK1A04	Laser Electronics	L	Electron Devices and Microsystems	MAS
9	4MEK1A03	Microelectromechanical Systems (MEMS)	L, E	Electron Devices and Microsystems	MAS
10	4MEK2A03	Technologies of Organic Semiconductor Materials and Devices	L, E	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Vojislav Mitic, Goran Lazovic, Vesna Paunovic , Jih Ru Hwu, Shwu-Chen Tsay, Tsong-Ping Perng, Sandra Veljkovic, Branislav Vlahovic, Ceramic materials and energy—Extended Coble’s model and fractal nature, Journal of the European Ceramic Society, 39, pp. 3513–3525, 2019, https://doi.org/10.1016/j.jeurceramsoc.2019.04.009				
2	Vesna Paunovic, Vojislav V. Mitic, Milos Djordjevic, Zoran Prijic, Niobium doping effect on BaTiO3 structure and dielectric properties, Ceramics International 46, 8154–8164, 2020, https://doi.org/10.1016/j.ceramint.2019.12.043				
3	Anja Terzić, Vesna Paunović, Jovica Stojanović, Effect of the titanium-dioxide addition on the structural, dielectric, and mechanical properties of different cement-based mortars with corundum aggregate, Construction and Building Materials, 412, Ar. No.134847, 2024, 10.1016/j.conbuildmat.2023.134847				
4	Zorica Z. Lazarević, Aleksandra Milutinović , Milica Ćurčić , Maja S. Rabasović, Ivana Stajčić, Boško Ćosić, Uroš Ralević , Novica Paunović , Branka Haddžić, Bojana Simović, Dalibor Sekulić, Vesna Paunović, Influence of Er3+ concentration and sintering temperature on structural and spectroscopic properties of BaTiO3:Er3+, Optical Materials, 159, 116581, 2025, https://doi.org/10.1016/j.optmat.2024.116581				
5	Vesna Paunović, Zoran Prijic, Vojislav V. Mitic , Effect of Donor and Acceptor Dopants on the Microstructure and Dielectric Properties of Barium Titanate Based Ceramics, Science of Sintering, 54, 81-91, 2022, https://doi.org/10.2298/SOS2201081P				
6	Suzana Filipović, Ljubica Anđelković, Dejan Jeremić, Predrag Vulić, Aleksandar Nikolić, Smilja Marković, Vesna Paunović, Steva Lević, Vladimir B. Pavlović, Structure and Properties of Nanocrystalline Tetragonal BaTiO3 Prepared by Combustion Solid State Synthesis, Science of sintering, Vol 52, No.3, pp. 257-268, 2020, doi: https://doi.org/10.2298/SOS2003257F				
7	Miloš Djordjević, Branislav Jovičić, Stefan Marković, Vesna Paunović, Danijel Danković, “A smart data logger system based on sensor and Internet of Things technology as part of the smart faculty”, Journal of Ambient Intelligence and Smart Environments, vol. 12, no. 4, pp. 359-373, 2020, DOI: 10.3233/AIS-200569				
8	Z. Ž. Lazarević, A. Milutinović, M. Ćurčić, I. Stajčić, B. Hadžić, U. Ralević, V. Paunović, Raman and Fourier transform infrared spectroscopic investigation of the effects of Er3+ doping in barium titanate ceramics, Optoelectronics and advanced materials – rapid communications, Vol. 18, No. 11-12, November-December 2024, pp. 547 - 554, 2024				

9	M. Djordjević, V. Paunović, D. Danković, A Method for Automatic Characterization and Measurement of Ceramic Materials Using Virtual Instrumentation, Journal of Circuits, Systems, and Computers, 2024, WSPC-JCSC-D-24-00485R2, ,DOI: 10.1142/S0218126625410014		
10	Vojislav V Mitic, Goran M Lazovic, Dragan M Djordjevic, Maja N Stankovic, Vesna V Paunovic, Nenad S Krstic, Jelena Z Manojlovic, Butler-Volmer Current Equation and Fractal Nature Correction in Electrochemical Energy, THERMAL SCIENCE, vol. 25 br. 3, str. 1837-1848, 2021, https://doi.org/10.2298/TSCI200117232		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	534	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	50	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			
Dragan Mančić, Vesna Paunović, Application of impedance spectroscopy for the electrical characterization of La doped BatiO3 ceramics, published by the Faculty of Electronics in Niš, ISBN: 978-86-6125-064-4, 2012 (in Serbian) Vesna Paunović, Electronic Materials, Edition: Basic textbook, University of Niš, Faculty of Electronics, 2023, (in Serbian) Modification of practical teaching from the group of subjects in the module Electronic components and microsystems (MOD2EKM)" in the school year 2020/2021, within the framework of the program activity "Development of higher education", (in Serbian)			

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

Last name, middle letter, first name			Pejović M. Milić		
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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2021	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2007	University of Belgrade, School of Electrical Engineering	Electrical and Computer Engineering	Electronics	
Specialization					
Magister	2003	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control and Electronics	
Master					
Diploma	1999	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	4OEM7A02	Data transfer protocols	L	Electrical Engineering and Computer Science	BAS
2	4OEM6A06	Custom laboratory systems design	L, E, OFE	Electrical Engineering and Computer Science	BAS
3	4OEM8B04	Software design for supporting electronic systems	L, OFE	Electrical Engineering and Computer Science	BAS
4	4OEM6O03	Sensors and Actuators	L	Electrical Engineering and Computer Science	BAS
5	4OEM5O04	Simulation of microelectronic components and circuits	L, E	Electrical Engineering and Computer Science	BAS
6	4OEM7A09	3D printing Technologies	L	Electrical Engineering and Computer Science	BAS
7	4MEK1A07	Microsensors and Microsystems	L	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Milić M. Pejović, Svetlana M. Pejović, " P-channel MOSFET as ionizing radiation detector", Applied Radiation and Isotopes, vol. 196 pp. 110730-110730, 2023., DOI: 10.1016/j.apradiso.2023.110730				
2	Milić M. Pejović, Svetlana M. Pejović, Miloš Živanović, "Commercial voltage indicator as a gamma radiation detector", Radiation Protection Dosimetry, vol. 199 br. 10 pp. 1103-1109, 2023., DOI: 10.1093/rpd/ncad143				
3	Milić M. Pejović, Emilija N. Živanović, Milan D. Stojanović, "Xenon-filled diode performance under influence of low doses of gamma radiation", Applied Radiation and Isotopes, vol. 184 pp. 110207-110207, 2022., DOI: 10.1016/j.apradiso.2022.110207				
4	Dalibor Arbutina, Koviljka Stanković, Luka Perayić and Milić Pejović, „Influence of the shape, number, position and dimensions of conductive particles within inter-electrode gap on dc and puls breakdown voltage value of SF6 and N2 mixture“, Electrical Power and Energy Systems, Vol. 104, pp. 436-442, 2019, https://doi.org/10.1016/j.ijepes.2018.07.041				
5	Milić M. Pejović, "Dose response, radiation sensitivity and fading of p-channel MOSFETs (RADFETs) irradiated up to 50 Gy with Co“, Applied Radiation and Isotopes, Vol. 104, str. 100-105, 2015, http://dx.doi.org/10.1016/j.apradiso.2015.06.024 .				
6	Milić M. Pejović, “Application of p-channel power VDMOSFET as a high radiation dose sensor”, IEEE Transaction on Nuclear Science, Vol. 62, No. 4, pp. 1905-1910, 2015, Doi 10.1109/TNS.2015.24.56211.				
7	Milić M. Pejović and Svetlana M. Pejović, “VDMOSFET as a prospective dosimeter for radiotherapy”, Applied Radiation and Isotopes, Vol. 132, pp. 1-5, 2018, http://dx.doi.org/10.1016/j.apradiso.2017.11001				
8	Čedomir I. Belić, Koviljka Đ. Stanković, Milić M. Pejović and Predrag V. Osmokrović, “The influence of the magnetic field on DC and the impulse breakdown of noble gases”, Materials, Vol. 12, pp. 752, 2019, https://doi.org/10.3390/ma12050752 ,				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	458	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	61	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			Prijic D. 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			Microelectronics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2004	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
PhD	1993	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
Specialization					
Magister	1990	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Microelectronics
Master					
Diploma	1987	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Electronic Devices
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	4OEM5O02	Analog Microelectronics	L, E	Electrical Engineering and Computer Science	BAS
2	4OEM8A02	Autonomous Microsystems	L	Electrical Engineering and Computer Science	BAS
3	4OEM6O02	Digital Microelectronics	L	Electrical Engineering and Computer Science	BAS
4	4OEZ2O04	Electronic Devices	L	Electrical Engineering and Computer Science	BAS
5	4OEM7O02	Printed Circuit Boards Design	L, E	Electrical Engineering and Computer Science	BAS
6	4OEM8B03	Product Data Management	L, OFE	Electrical Engineering and Computer Science	BAS
7	4MEK2A04	Multi-Layer Printed Circuit Boards Design	L	Electron Devices and Microsystems	MAS
8	4MEK1A06	RF Microelectronics	L	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	D. Danković, N. Mitrović, E. Živanović, M. Danković, A. Prijic, Z. Prijic, "The Importance of Students' Practical Work in High Schools for Higher Education in Electronic Engineering," IEEE Trans. Education, Vol. 66, pp. 146-155, 2023.				
2	D. Danković, N. Mitrović, Z. Prijic, N. Stojadinović, "Modeling of NBTS Effects in P-Channel Power VDMOSFETs", IEEE Trans. Device Mater. Rel., Vol. 20, pp. 204-213, 2020.				
3	V. Davidović, D. Danković, A. Ilić, I. Manić, S. Golubović, S. Đorić-Veljković, Z. Prijic, N. Stojadinović, "NBTI and Irradiation Effects in P-Channel Power VDMOS Transistors," IEEE Trans. Nuclear Science, Vol. 63, pp. 1268-1275, 2016.				
4	A. Prijic, Lj. Vračar, Z. Pavlović, Lj. Kostić, Z. Prijic, "The Effect of Flat Panel Reflectors on Photovoltaic Energy Harvesting in Wireless Sensor Nodes under Low Illumination Levels," IEEE Sensors Journal, Vol. 15, No. 12, pp. 7105-7111, 2015.				
5	A. Prijic, Lj. Vračar, D. Vučković, D. Milić, Z. Prijic, "Thermal Energy Harvesting Wireless Sensor Node in Aluminum Core PCB Technology", IEEE Sensors Journal, Vol. 15, No.1, pp. 337-345, 2015.				
6	D. Danković, Lj. Vračar, A. Prijic, Z. Prijic, „An Electromechanical Approach to a Printed Circuit Board Design Course“, IEEE Trans. Education, Vol. 56, No. 4, pp. 470-477, 2013.				
7	Lj. Vračar, A. Prijic, D. Vučković, Z. Prijic, „Capacitive Pressure Sensing Based Key in PCB Technology for Industrial Applications“, IEEE Sensors Journal, Vol. 12, No. 5, pp. 1496-1503, 2012.				
8	A. Prijic, Z. Prijic, B. Pešić, D. Pantić, S. Ristić, D. Mančić, Z. Petrušić, „Design and Optimization of S-Type Thermal Cutoffs“, IEEE Trans. Components and Packaging Technologies, Vol. 31, No. 4, pp. 904-912, 2008.				
9	A. Rochas, A. Pauchard, P. Besse, D. Pantić, Z. Prijic, R. Popović, „Low-Noise Silicon Avalanche Photodiodes Fabricated in Conventional CMOS Technologies“, IEEE Trans. Electron Devices, Vol. 49, No. 3, pp. 387-394, 2002.				
10	P. Habaš, Z. Prijic, D. Pantić, N. Stojadinović, „Charge Pumping Characterization of SiO2/Si Interface in Virgin and Irradiated Power VDMOSFET's“, IEEE Trans. Electron Devices, Vol. 43, No. 12, pp. 2197-2209, 1996.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	664	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	44	Number of international projects at which the lecturer currently participates			0
Specializations					
Vienna University of Technology, Vienna, Austria, 1994.; EPFL Lausanne, Lausanne, Switzerland, 2001.					
Other data considered relevant					
https://www.npao.ni.ac.rs/elektronski-fakultet/803-zoran-d-prijic					

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

Last name, middle letter, first name			Prijić P. Aneta		
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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2020	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2007	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
Specialization					
Magister	1996	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
Master					
Diploma	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
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	4OEM4A01	Solid State Electronics	L, E	Electrical Engineering and Computer Science	BAS
2	4OEM4O02	Semiconductor Devices	L, E	Electrical Engineering and Computer Science	BAS
3	4OEM7O01	Microsystems Design	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4MEK1A08	Integrated Microsystems	L, E	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Danijel Danković, Miloš Marjanović, Nikola Mitrović, Emilija Živanović, Milan Danković, Aneta Prijić, Zoran Prijić, "The Importance of Students' Practical Work in High Schools for Higher Education in Electronic Engineering," IEEE Transaction on Education, IEEE, Vol. 66, No. 2, pp. 146-155, 2023.				
2	Miloš Marjanović, Aneta Prijić, Branislav Randelović, Zoran Prijić, "A Transient Modeling of the Thermoelectric Generators for Application in Wireless Sensor Network Nodes", Electronics - MDPI, Vol. 9, No. 6, 1015, 2020.				
3	Dejan Milić, Aneta Prijić, Ljubomir Vračar, Zoran Prijić, "Characterization of commercial thermoelectric modules for application in energy harvesting wireless sensor nodes", Applied Thermal Engineering, Elsevier, Vol. 121, pp. 74-82, 2017.				
4	Aneta Prijić, Ljubomir Vračar, Zoran Pavlović, Ljiljana Kostić, Zoran Prijić, "The Effect of Flat Panel Reflectors on Photovoltaic Energy Harvesting in Wireless Sensor Nodes under Low Illumination Levels," IEEE Sensors Journal, Vol. 15, No. 12, pp. 7105-7111, 2015.				
5	Aneta Prijić, Ljubomir Vračar, Dušan Vučković, Dejan Milić, Zoran Prijić, "Thermal Energy Harvesting Wireless Sensor Node in Aluminum Core PCB Technology", IEEE Sensors Journal, IEEE, Vol. 15, No. 1, pp. 337-345, 2015.				
6	Danijel Danković, Ljubomir Vračar, Aneta Prijić, Zoran Prijić, "An Electromechanical Approach to a Printed Circuit Board Design Course", IEEE Transaction on Education, IEEE, Vol. 56, No. 4, pp. 470-477, 2013.				
7	Ljubomir Vračar, Aneta Prijić, Dušan Vučković, Zoran Prijić, "Capacitive Pressure Sensing Based Key in PCB Technology for Industrial Applications", IEEE Sensors Journal, IEEE, Vol. 12, No. 5, pp. 1496-1503, 2012.				
8	Aneta Prijić, Danijel Danković, Ljubomir Vračar, Ivica Manić, Zoran Prijić, Ninoslav Stojadinović, "A method for negative bias temperature instability (NBTI) measurements on power VDMOS transistors", Measurement Science and Technology, IOP Science, Vol. 23, No. 8, pp. 1-8, 2012.				
9	Aneta Prijić, Zoran Prijić, Biljana Pešić, Dragan Pantić, Stojan Ristić, Dragan Mančić, Zoran Petrušić, „Design and Optimization of S-Type Thermal Cutoffs“, IEEE Trans. Components and Packaging Technologies, IEEE, Vol. 31, No. 4, pp. 904-912, 2008.				
10	Stojan Ristić, Aneta Prijić, Zoran Prijić, „Dependence of Static Dielectric Constant of Silicon on Resistivity at Room Temperature“, Serbian Journal of Electrical Engineering, Technical Faculty of Čačak, Vol. 1, No. 2, pp. 237-247, 2004.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	251	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					
Completed training in teaching in English "English as a Medium of Instruction (EMI)" as part of the initiative of the Ministry of Education, Science and Technological Development "Study in Serbia" - Internationalization of Higher Education Institutions, University of Niš, Republic of Serbia, November-December 2019.					
Manager of the project "Modification of the practical teaching for the group of courses in the module Electronic Components and Microsystems (MOD2EKM)" in the school year 2020/2021. and participant in the project "Innovation of the Digital Microelectronics					

and Integrated Microsystems curricula by applying the concept of project-based teaching (DIMIS)" in the school year 2019/2020. as part of the national program activity "Development of Higher Education".

Aneta Prijić, Danijel Danković, Zoran Prijić, "Introduction to Semiconductor Devices and Their Applications" - second, revised and extended edition, Textbook, University of Niš, Faculty of Electronic Engineering, 2020, ISBN: 978-86-6125-224-2. (in Serbian)

Stojan Ristić, Aneta Prijić, Zoran Prijić, "Transport processes in heavily doped silicon", monograph, University of Niš, Faculty of Electronic Engineering, 2001. (in Serbian)

Co-author of 4 registered patents at the national level and one published patent at the international level.

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			Ristić S. Goran		
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			Applied Physics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2009	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Applied Physics
PhD	1998	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Applied Physics
Specialization					
Magister	1994	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Applied Physics
Master					
Diploma	1990	University of Niš, Faculty of Philosophy		Physical Sciences	Physics
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	4OEM5A03	Dosimetry and Dosimeters	L	Electrical Engineering and Computer Science	BAS
2	4OEM4A03	Fundamentals of Quantum and Statistical Physics	L	Electrical Engineering and Computer Science	BAS
3	4OEZ1O03	Physics	L	Electrical Engineering and Computer Science	BAS
4	4MEK1A11	Medical Physics	L	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	M. Marjanović, S.D. Ilić, S. Veljković, N. Mitrović, U. Gurer, O.Yilmaz, A. Kahraman, A. Aktag, H. Karacali, E. Budak, D. Danković, G. Ristić, E. Yilmaz, The SPICE Modeling of a Radiation Sensor Based on a MOSFET with a Dielectric HfO2/SiO2 Double-Layer, Sensors, 25(2), 546, 2025; https://doi.org/10.3390/s25020546				
2	Ercan Yilmaz, Goran Ristić, Rasit Turan, Ozan Yilmaz, Umutcan Gurer, Danijel Danković, Erhan Budak, Miloš Marjanović, Sandra Veljković, Alex Mutale, Aysegul Kahraman, Proposal of dual-gate oxide layered with HfO2: Comparative results with SiO2-RadFET, Radiation Physics and Chemistry, Vol. 232, 112691, 2025; https://doi.org/10.1016/j.radphyschem.2025.112691				
3	S. Djorić-Veljković, E. Živanović, V. Davidović, S. Veljković, N. Mitrović, G. Ristić, A. Paskaleva, D. Spassov, D. Danković, Recovery Analysis of Sequentially Irradiated and NBT-Stressed VDMOS Transistors. Micromachines, 16(1), 27, 2025; https://doi.org/10.3390/mi16010027				
4	A. Ristić, G. Kramberger, J. Debevc, B. Hiti, I. Mandić, P. Skomina, G. Ristić, Correlation between charge and current gain in LGADs treated with IR lasers, Journal of Instrumentation, 19, 2024; https://doi.org/10.1088/1748-0221/19/05/P05071				
5	A. Pousibet-Garrido, P. Escobedo, D. Guirado, G.S. Ristic, A.J. Palma, M.A. Carvajal, Batteryless NFC dosimeter tag for ionizing radiation based on commercial MOSFET, Sensors and Actuators A: Physical, 354, 114295, 2023; https://doi.org/10.1016/j.sna.2023.114295				
6	G. Kramberger, B. Hiti, V. Cindro, A. Howard, I. Mandić, M. Mikuž, M. Petek, A. Ristić, G. Ristić, Gain dependence on free carrier concentration in LGADs, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1046, 167669, 2023; https://doi.org/10.1016/j.nima.2022.167669				
7	M. Andjelkovic, M. Marjanovic, B. Drasko, C. Calligaro, O. Schrape, U. Gatti, F.A. Kuentzer, S. Ilic, G. Ristic, M. Krstic, Analysis of Single Event Transient Effects in Standard Delay Cells Based on Decoupling Capacitors, Journal of Circuits, Systems and Computers, 31 (18), 2240007, 2022; http://doi.org/10.1142/S0218126622400072				
8	M. Andjelkovic, M. Marjanovic, J. Chen, S. Ilic, G. Ristic, M. Krstic, PS-BBICS: Pulse stretching bulk built-in current sensor for on-chip measurement of single event transients, Microelectronics Reliability, 138, 114726, 2022; https://doi.org/10.1016/j.microrel.2022.114726				
9	S. Veljkovic, N. Mitrovic, V. Davidovic, S. Golubovic, S. Djoric-Veljkovic, A. Paskaleva, D. Spassov, S. Stankovic, M. Andjelkovic, Z. Prijic, I. Manic, A. Prijic, G. Ristic, D. Dankovic, Response of Commercial p-Channel Power VDMOS Transistors to Irradiation and Bias Temperature Stress, Journal of Circuits, Systems and Computers, 31(18) 2240003, 2022; https://doi.org/10.1142/S0218126622400035				
10	G.S. Ristić, M.S. Andjelković, R. Duane, A.B. Jakšić, Fading of pMOS dosimeters over a long period of time, Micro Nano Lett., 1–4, 2022; http://doi.org/10.1049/mna2.12119				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	1245	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	85	Number of international projects at which the lecturer currently participates			1
Specializations					
Other data considered relevant					
https://www.npao.ni.ac.rs/elektronski-fakultet/1756-goran-ristic					

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

Last name, middle letter, first name			Spasić D. Miodrag		
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	2021	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Automatic Control	
PhD	2019	University of Niš, Faculty of Electronic Engineering, Norwegian University of Science and Technology	Electrical and Computer Engineering	Automatic Control	
Specialization					
Magister					
Master					
Diploma	2010	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	4OEU6B02	MATLAB and Applications in Control Systems	L	Electrical Engineering and Computer Science	BAS
2	4OEU3O05	Modelling and Simulation of Dynamical Systems	L, E, OFE	Electrical Engineering and Computer Science	BAS
3	4OEU7A02	Fundamentals of Predictive Control	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4OEU7O02	Programmable Logic Controllers	L, E	Electrical Engineering and Computer Science	BAS
5	4OEP7A04	Automatic Control Systems	L, E	Electrical Engineering and Computer Science	BAS
6	4MUA1O02	Reinforcement Learning in Control Systems	OFE	Control Systems	MAS
7	4MUA2A02	Predictive Control	L, E	Control Systems	MAS
8	4MUA1O01	Computer Control Systems	L, E	Control Systems	MAS
9	4MEK1A14	Energy storage systems in modern propulsion units	E	Electron Devices and Microsystems	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; OnlineFirst. ISSN: 0020-2940. (https://doi.org/10.1177/00202940241302672). December 2024.				
2	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 Motor Servo System", Proceedings of the Romanian Academy, Series A, vol. 25, no. 3/2024, 2024, pp. 241-251, ISSN: 1454-9069, (DOI: https://doi.org/10.59277/PRA-SER.A.25.3.09), Publisher: Romanian Academy, Bucharest, Romania. September 2024				
3	Miroslav Milovanović, Alexandru Oarcea, Saša Nikolić, Anđela Đorđević, Miodrag Spasić, "An Approach to Networking a New Type of Artificial Orthogonal Glands within Orthogonal Endocrine Neural Networks", Applied Sciences, Special Issue Computer Vision in Mechatronics Technology, vol. 12, iss. 11, (2022), 5372, EISSN: 2076-3417, (Doi No: https://doi.org/10.3390/app12115372), Publisher: Multidisciplinary Digital Publishing Institute, Switzerland. May 2022				
4	M. B. Milovanović, D. S. Antić, M. T. Milojković and M. D. Spasić, "Adaptive Control of Nonlinear MIMO System With Orthogonal Endocrine Intelligent Controller," IEEE Transactions on Cybernetics, vol. 52, no. 2, pp. 1221-1232, (http://dx.doi.org/10.1109/TCYB.2020.2998505). February 2022				
5	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. Print ISSN: 1387-3954, (https://doi.org/10.1080/13873954.2021.1909069), Publisher: Taylor & Francis. April 2021.				
6	Miodrag Spasić, Darko B. Mitić, Morten Hovd, Dragan Antić, "Predictive Sliding Mode Control Based on Laguerre Functions", Journal of Control Engineering and Applied Informatics (CEAI), vol. 21, no. 1, (2019), pp. 12-20. ISSN: 1454-8658. Publisher: Romanian Society of Control Engineering and Technical Informatics. March 2019				
7	Nikola Danković, Dragan Antić, Saša Nikolić, Staniša Perić, Miodrag D. 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, (https://doi.org/10.2298/FIL1812275D), Publisher: Faculty of Sciences and Mathematics, University of Nis. December 2018.				
8	Miroslav B. Milovanović, Dragan S. Antić, Saša S. Nikolić, Staniša Lj. Perić, Marko T. Milojković, Miodrag D. Spasić, "Neural network based on orthogonal polynomials applied in magnetic levitation system control". Elektronika Ir				

	Elektrotehnika, vol. 23, no. 3, (2017), pp. 24–29. Print ISSN: 1392-1215, (http://dx.doi.org/10.5755/j01.eie.23.3.18327), Publisher: Kaunas University of Technology. June 2017		
9	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. Print ISSN: 0022-0434, (http://dx.doi.org/10.1115/1.4035090), Publisher: The American Society of Mechanical Engineers. April 2017		
10	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: 0332-7353. Publisher: Norwegian Society of Automatic Control. November 2016		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	148	Number of domestic projects at which the lecturer currently participates	2
Total number of papers on the SCI (SSCI) list	13	Number of international projects at which the lecturer currently participates	2
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			Vračar M. Ljubomir		
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			Microelectronics and Microsystems		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2021	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics and Microsystems	
PhD	2014	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Nanotechnology and Microsystems	
Specialization					
Magister	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
Master					
Diploma	1999	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Microelectronics	
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	4OEM8A02	Autonomous Microsystems	L, E, OFE	Electrical Engineering and Computer Science	BAS
2	4OEM6O03	Sensors and Actuators	L, E, OFE	Electrical Engineering and Computer Science	BAS
3	4OEM7A09	3D printing Technologies	L, E	Electrical Engineering and Computer Science	BAS
4	4MEK1A07	Microsensors and Microsystems	L, E, OFE	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Dejan Milić, Aneta Prijić, Ljubomir Vračar, Zoran Prijić, “Characterization of commercial thermoelectric modules for application in energy harvesting wireless sensor nodes”, Applied Thermal Engineering, No. 121, pp. 74–82, (2017), ISSN: 1359-4311, DOI: 10.1016/j.applthermaleng.2017.04.037				
2	Miloš Milovančević, Nebojša Denić, Ljubomir Vračar, Nenad Kojić, Vladimir Kostić, Srećko Bačevac: “Evaluation of vibrodiagnostic optimization model for turbo pumps”, Advances in Engineering Software, Volume 173, (2022), Elsevier, ISSN: 0965-9978, DOI: 10.1016/j.advengsoft.2022.103271.				
3	Aneta Prijić, Ljubomir Vračar, Zoran Pavlović, Ljiljana Kostić, Zoran Prijić, “The Effect of Flat Panel Reflectors on Photovoltaic Energy Harvesting in Wireless Sensor Nodes under Low Illumination Levels,” IEEE Sensors Journal, Vol. 15, No. 12, pp. 7105–7111, (2015), ISSN: 1530-437X, DOI: 10.1109/JSEN.2015.2470548.				
4	Miloš Milovančević, Vlastimir Nikolić, Dalibor Petković, Ljubomir Vračar, Emil Veg, Natalija Tomić, Srđan Jović: “Vibration analyzing in horizontal pumping aggregate by soft computing”, Measurement, (2018) Elsevier, ISSN: 0263-2241, vol. 125, pp. 454-462, DOI: 10.1016/j.measurement.2018.04.100.				
5	Ljubomir M. Vračar, Milan D. Stojanović, Aleksandar S. Stanimirović and Zoran D. Prijić, “Influence of Encryption Algorithms on Power Consumption in Energy Harvesting Systems”, Journal of Sensors, Volume 2019, Article ID 8520562, ISSN: 1687-7268, DOI: 10.1155/2019/8520562.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	168	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					
Patent: Keyboard of Programmable Keys and Method for Assigning Identification Tags to Keys – RS52967B					
Patent: Capacitive Pressure Sensor with Multilayer Dielectric – RS52973B					
Patent: Key Manufactured in Printed Circuit Board Technology – RS52974B					
Patent: Thermoelectric Self-Powered Device Based on Metal PCB Technology – RS55393B1					
Patent: A New Method for Construction of Robust Switching Devices Based on PCB Technology – WO2012091594A2 (A3)					

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

Last name, middle letter, first name			Živanović N. Emilija		
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			Applied Physics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Applied Physics	
PhD	2014	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Applied Physics	
Specialization					
Magister	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Applied Physics	
Master					
Diploma	1999	University of Niš, Faculty of Philosophy (Physics)	Physical Sciences	Applied Physics	
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	4OEM5A03	Dosimetry and Dosimeters	E	Electrical Engineering and Computer Science	BAS
2	4OEM6A03	Optoelectronic Devices	L, E	Electrical Engineering and Computer Science	BAS
3	4OEM4O03	Basics of Optics	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4OEZ1O03	Physics	L	Electrical Engineering and Computer Science	BAS
5	4MEK2A02	Gas discharge devices –characterization and application	L, E	Electron Devices and Microsystems	MAS
6	4MEK1A11	Medical Physics	E	Electron Devices and Microsystems	MAS
Representative references (at minimum 5, not more than 10)					
1	Emilija N. Živanović and Čedomir A. Maluckov, “Investigation of statistical behaviour of electrical breakdown voltage distribution for nitrogen-filled diode at 13.3 mbar pressure“, Contributions to Plasma Physics, John Wiley & Sons, Inc., 2018, Vol. 58, No. 4, pp. 293-301, https://doi.org/10.1002/ctpp.201700191				
2	Milić Pejović, Emilija Živanović, Miloš Živanović, “Investigation of xenon-filled tube breakdown voltage and delay response as possible dosimetric parameters for low doses of gamma radiation”, Radiation Protection Dosimetry, vol. 190, no. 1, pp. 84-89, 2020, ISSN 0144-8420, DOI: 10.1093/rpd/ncaa075				
3	Milić Pejović, Emilija Živanović, and Čedomir Belić, “The possibility for gamma and UV radiation detection based on electrical breakdown time delay measurement in krypton and xenon filled diodes”, Nuclear Technology and Radiation Protection, vol. XXXVI, No. 3, 2021, https://doi.org/10.2298/NTRP				
4	Milić Pejović, Emilija Živanović, and Milan Stojanović, “Xenon-filled diode performance under influence of low doses of gamma radiation”, Applied Radiation and Isotopes, Vol. 184, p. 110207, 2022, https://doi.org/10.1016/j.apradiso.2022.110207				
5	Emilija Živanović, Marija Živković, Sandra Veljković, “Study of Breakdown Voltage Stability of Gas-Filled Surge Arresters in the Presence of Gamma Radiation”, Electronics, Vol. 11, No. 15, p. 2447, 2022, https://doi.org/10.3390/electronics11152447				
6	Danijel Danković, Miloš Marjanović, Nikola Mitrović, Emilija Živanović, Milan Danković, Aneta Prijić, and Zoran Prijić, “The Importance of Students’ Practical Work in High Schools for Higher Education in Electronic Engineering”, IEEE Transactions on Education, Vol. 66, No. 2, pp. 146-155, 2022, DOI:10.1109/TE.2022.3202629				
7	Nikola Mitrović, Sandra Veljković, Vojkan Davidović, Snežana Đorić-Veljković, Snežana Golubović, Emilija Živanović, Zoran Prijić, Danijel Danković, “Impact of negative bias temperature instability on p-channel power VDMOSFET used in practical applications”, Microelectronics Reliability, Vol. 138, No. 9, p. 114634, 2022, DOI:10.1016/j.microrel.2022.114634				
8	Sandra Veljković, Nikola Mitrović, Igor Jovanović, Emilija Živanović, Albena Paskaleva, D. Spassov, Dragan Mančić, Danijel Danković, “Self-heating of stressed VDMOS devices under specific operating conditions”, Microelectronics Reliability, Vol. 150, No. 3, p. 115213, 2023, DOI: 10.1016/j.microrel.2023.115213				
9	Emilija Živanović, Sandra Veljković, Nikola Mitrović, Igor Jovanović, Snežana Djorić-Veljković, Albena Paskaleva, Dencho Spassov and Danijel Danković, “A reliability investigation of VDMOS transistors: performance and degradation caused by bias temperature stress”, Micromachines, Vol. 15 No. 4, p. 503, 2024 https://doi.org/10.3390/mi15040503				
10	Snežana Djorić-Veljković, Emilija Živanović, Vojkan Davidović, Sandra Veljković, Nikola Mitrović, Goran Ristić, Albena Paskaleva, Dencho Spassov and Danijel Danković, “Recovery Analysis of Sequentially Irradiated and NBT-Stressed VDMOS Transistors”, Micromachines, Vol. 16 No. 1, p. 27, 2025, https://doi.org/10.3390/mi16010027				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	121	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			3

Specializations
Other data considered relevant
https://npao.ni.ac.rs/elektronski-fakultet/567-emilija-zivanovic/567-emilija-zivanovic https://mikro.elfak.ni.ac.rs/clanovi-katedre/emilija-zivanovic/