

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

Last name, middle letter, first name			Bogdanović D. Miloš		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister					
Master					
Diploma	2007	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER3O02	Databases	E	Electrical Engineering and Computer Science	BAS
2	4OEP7B03	Engineering Entrepreneurship	E	Electrical Engineering and Computer Science	BAS
3	4OER6A03	Database Systems	E	Electrical Engineering and Computer Science	BAS
4	4OER4O02	Data Structures	L	Electrical Engineering and Computer Science	BAS
5	4OER7A05	Software Testing and Quality	L, E	Electrical Engineering and Computer Science	BAS
6	4OEU5A02	Introduction to Databases	L, E, OFE	Electrical Engineering and Computer Science	BAS
7	4MRZ1A26	Web Mining	L, E	Computer Science and Informatics	MAS
8	4MRI2B03	Intelligent Information Systems	E	Computer Science and Informatics	MAS
9	4MRZ1A06	Interoperability and Information Integration	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Miloš Bogdanović, Milena Frtunić Gligorijević, Jelena Kocić, and Leonid Stoimenov. 2025. „An Analysis of the Training Data Impact for Domain-Adapted Tokenizer Performances—The Case of Serbian Legal Domain Adaptation.“ Applied Sciences, 15(13), 7491. https://doi.org/10.3390/app15137491				
2	Miloš Bogdanović, Milena Frtunić Gligorijević, Jelena Kocić, and Leonid Stoimenov. 2025. "Improving Text Recognition Accuracy for Serbian Legal Documents Using BERT," Applied Sciences 15, no. 2: 615. https://doi.org/10.3390/app15020615				
3	Miloš Bogdanović, Jelena Kocić, Leonid Stoimenov, 2024. "SRBerta—A Transformer Language Model for Serbian Cyrillic Legal Texts", Information, 15(2), 74–74. https://doi.org/10.3390/info15020074				
4	Miloš Bogdanović, Milena Frtunić Gligorijević, Nataša Veljković, Darko Puflović, Leonid Stoimenov, 2023. "Cross-portal metadata alignment – Connecting open data portals through means of formal concept analysis", Information Sciences, 637, 118958–118958. https://doi.org/10.1016/j.ins.2023.118958				
5	Miloš Bogdanović, Nataša Veljković, Milena Frtunić-Gligorijević, Darko Puflović, Leonid Stoimenov, 2021. "On revealing shared conceptualization among open datasets", JOURNAL OF WEB SEMANTICS, 66, 100624–100624. https://doi.org/10.1016/j.websem.2020.100624				
6	Milena Frtunić Gligorijević, Miloš Bogdanović, Nataša Veljković, Leonid Stoimenov, 2021. "Open Data Categorization Based on Formal Concept Analysis", IEEE Transactions on Emerging Topics in Computing, 9(2), 571–581. https://doi.org/10.1109/tetc.2019.2919330				
7	Blagoj Atanasovski, Miloš Bogdanović, Goran Velinov, Leonid Stoimenov, Aleksandar Dimovski, Bojana Koteska, Dragan Janković, Irena Skrceska, Margita Kon-Popovska, Boro Jakimovski, 2018. "On defining a model driven architecture for an enterprise e-health system", Enterprise Information Systems, 12(8-9), 915–941. https://doi.org/10.1080/17517575.2018.1521996				
8	Aleksandar Stanimirović, Miloš Bogdanović, Milena Frtunić Gligorijević, Leonid Stoimenov, 2020. "Low-voltage electricity network monitoring system: Design and production experience", International Journal of Distributed Sensor Networks, 16(1). https://doi.org/10.1177/1550147720903629				
9	Leonid Stoimenov, Nikola Davidović, Aleksandar Stanimirović, Miloš Bogdanović, Dalibor Nikolic, 2016. "Enterprise integration solution for power supply company based on GeoNis interoperability framework", Data and Knowledge Engineering, 105, 23–38. https://doi.org/10.1016/i.datak.2015.10.001				

10	Miloš Bogdanović, Aleksandar Stanimirović, Leonid Stoimenov, 2015. "Methodology for geospatial data source discovery in ontology-driven geo-information integration architectures", Journal of Web Semantics, 32, 1–15. https://doi.org/10.1016/j.websem.2015.01.002		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	73	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	14	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			Ćirić M. Vladimir		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2011	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2005	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OEZ2O02	Fundamentals of Algorithms and Programming	L	Electrical Engineering and Computer Science	BAS
2	4OER6A07	Cybersecurity	L	Electrical Engineering and Computer Science	BAS
3	4OER7A01	Computer Networks Design	L, E	Electrical Engineering and Computer Science	BAS
4	4MRB1B01	Computer Network Security	L, E	Computer Science and Informatics	MAS
5	4MRB2B03	Blockchain Technologies	L	Computer Science and Informatics	MAS
6	4MRB1B04	Cloud Computing	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Vladimir Ćirić, Marija Milosevic, Danijel Sokolovic, Ivan Milentijevic, “Modular deep learning-based network intrusion detection architecture for real-world cyber-attack simulation.” Simulation Modelling Practice and Theory 133 (2024): 102916. (M21)				
2	Marija Milosevic, Vladimir Ćirić, “Extreme minority class detection in imbalanced data for network intrusion”, Computers & Security, Elsevier, Impact Factor 5.105, accepted for publication in 2022, https://doi.org/10.1016/j.cose.2022.102940 . (M21)				
3	Vladimir M. Ćirić, Ivan Z. Milentijevic, Oliver M. Vojinovic, Nemanja S. Manic, “Cost Estimation of Blended Learning Course Delivery Through Public Cloud”, Journal of Universal Computer Science, Vol. 25, No. 4, May 2019, pp. 310-333, ISSN: 0948-695X, 5y-IF 1.066. (M23)				
4	O. Vojinovic, V. Simic, I. Milentijevic and V. Ćirić, "Tiered Assignments in Lab Programming Sessions: Exploring Objective Effects on Students' Motivation and Performance," in IEEE Transactions on Education. Vol. 63, No 3, pp.164-172, Aug. 2020. ISSN: 0018-9359, doi: 10.1109/TE.2019.2961647. (M22)				
5	Vladimir M. Ćirić, Ivan Z. Milentijevic, Oliver M. Vojinovic, Nemanja S. Manic, “Cost Estimation of Blended Learning Course Delivery Through Public Cloud”, Journal of Universal Computer Science, Vol. 25, No. 4, May 2019, pp. 310-333, ISSN: 0948-695X, 5y-IF 1.066. (M23)				
6	Vladimir Ćirić, Dusan Cvetkovic, Nadja Gavrilovic, Natalija Stojanovic, Ivan Milentijevic, "Input Splits Design Techniques for Network Intrusion Detection on Hadoop Cluster", Facta Universitatis, Series: Electronics and Energetics, Vol 34, No 2 (2021), pp. 239-257.				
7	Vladimir Ćirić, Dusan Cvetkovic, Nadja Gavrilovic, Natalija Stojanovic, Ivan Milentijevic, "Input Splits Design Techniques for Network Intrusion Detection on Hadoop Cluster", Facta Universitatis, Series: Electronics and Energetics, Vol 34, No 2 (2021), pp. 239-257. (M21a)				
8	Vladimir Ćirić, Milojkovic Aleksa, Marija Milosevic. "Autoencoder-Based Network Intrusion Detection on Multiple Datasets." 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON). IEEE, 2024.				
9	Marija Milosevic, Vladimir Ćirić, Ivan Milentijevic. "Intrusion Detection System for Multiclass Detection based on a Convolutional Neural Network." 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON). IEEE, 2024.				
10	Marija Milosevic, Vladimir Ćirić, and Ivan Milentijevic, "Network Intrusion Detection Using Weighted Voting Ensemble Deep Learning Model", 2024 11th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN). IEEE, 2024.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	144	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	14	Number of international projects at which the lecturer currently participates			1
Specializations					
Other data considered relevant					

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

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

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

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

Last name, middle letter, first name			Dimitrijević M. Aleksandar		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2003	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER6A02	Human-Computer Interaction	L, E	Electrical Engineering and Computer Science	BAS
2	4OER6A01	Internet of Things	L	Electrical Engineering and Computer Science	BAS
3	4OER6A08	Advanced Data Structures	L	Electrical Engineering and Computer Science	BAS
4	4OER7O02	Computer Graphics	L, E	Electrical Engineering and Computer Science	BAS
5	4OER5O02	Computer Networks	E	Electrical Engineering and Computer Science	BAS
6	4OER4O02	Data Structures	E	Electrical Engineering and Computer Science	BAS
7	4MRB1B07	Cryptography	E	Computer Science and Informatics	MAS
8	4MRZ1A09	Advanced Computer Graphics	L, E	Computer Science and Informatics	MAS
9	4MRZ1A07	Computer Animation	L, E	Computer Science and Informatics	MAS
10	4MRZ2A03	Virtual and Augmented Reality Systems	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Aleksandar Dimitrijević, Peter Strobl, "Hexahedral Projections: A Comprehensive Review and Ranking", ISPRS International Journal of Geo-Information, Vol. 14, Issue 3, March 2025, 122, ISSN: 2220-9964, DOI:10.3390/ijgi14030122, https://www.mdpi.com/2220-9964/14/3/122 , M22.				
2	Aleksandar Dimitrijević, Dejan Rančić, "High-Performance Ellipsoidal Clipmaps", Graphical Models, Elsevier Inc., Vol. 130, 101209, December 2023, ISSN: 1524-0703, DOI: 10.1016/j.gmod.2023.101209, https://www.sciencedirect.com/science/article/pii/S1524070323000395 , M23.				
3	Aleksandar Dimitrijević, Aleksandar Milosavljević, Dejan Rančić, "Efficient Distortion Mitigation and Partition Reduction in Mapping Global Geodata: Dual Orthogonal Equidistant Cylindrical Projection Approach", ISPRS International Journal of Geo-Information, Vol. 12, Issue 7, July 2023, 289, ISSN: 2220-9964, DOI:10.3390/ijgi12070289, https://www.mdpi.com/2220-9964/12/7/289 , M22.				
4	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "A Method for Estimating Surveillance Video Georeferences", ISPRS International Journal of Geo-Information, Vol. 6, Issue 7, July 2017, pn. 211, ISSN: 2220-9964, DOI:10.3390/ijgi6070211, http://www.mdpi.com/2220-9964/6/7/211 , M22.				
5	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "Integration of GIS and video surveillance", International Journal of Geographical Information Science, Vol. 30, Issue 10, 2016, pp 2089-2107, ISSN: 1365-8816 (Print) 1365-8824 (Online), DOI: 10.1080/13658816.2016.1161197, https://www.tandfonline.com/doi/abs/10.1080/13658816.2016.1161197?journalCode=tgis20 , M21.				
6	Aleksandar Dimitrijević, Dejan Rančić, "Ellipsoidal Clipmaps - A Planet-Sized Terrain Rendering Algorithm", Computers & Graphics (UK), Vol. 52, November 2015, pp. 43-62, ISSN: 0097-8493, DOI: 10.1016/j.cag.2015.06.006, http://www.sciencedirect.com/science/article/pii/S0097849315000916 , M22.				
7	Aleksandar Dimitrijević, "Two-Partition Discrete Global Grid Systems - A Comparison of Approaches Based on Adjusted Spherical Cube and Cylindrical Equidistant Projection", FACTA UNIVERSITATIS Series: Automatic Control and Robotics, Vol. 22, No. 1, (2023), pp. 15-28, Print ISSN: 1820-6417, Publisher: University of Niš. 2023, http://casopisi.junis.ni.ac.rs/index.php/FUAutContRob/article/view/11643 , M52.				
8	Aleksandar Dimitrijević, Martin Lambers, Dejan Rančić, "COMPARISON OF SPHERICAL CUBE MAP PROJECTIONS USED IN PLANET-SIZED TERRAIN RENDERING", Facta Universitatis, Series: Mathematics and Informatics, Vol. 31, No. 2, 2016, pp. 259–297, ISSN: 0352-9665, http://casopisi.junis.ni.ac.rs/index.php/FUMathInf/article/download/871/pdf_75 , M51.				

9	Aleksandar Dimitrijević, "Efficient Earth Observation Data Visualization Using Dual Orthogonal Equidistant Cylindrical Projection," 2024 11th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Nis, Serbia, 2024, pp. 1-6, doi: 10.1109/IcETRAN62308.2024.10645181, https://ieeexplore.ieee.org/document/10645181 , M33.		
10	Aleksandar Dimitrijević, Peter Strobl, Martin Lambers, Aleksandar Milosavljević, Dejan Rančić, "Distortion Optimized Spherical Cube Mapping for Discrete Global Grid Systems", In: Zdravković, M., Konjović, Z., Trajanović, M. (Eds.) ICIST 2020 Proceedings, pp.109-113, 2020, https://www.eventiotic.com/eventiotic/library/paper/595 , M33.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	124	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	8	Number of international projects at which the lecturer currently participates	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			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			Džunić S. Jovana		
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			Mathematics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Mathematics	
PhD	2012	University of Niš, Faculty of Sciences and Mathematics	Electrical and Computer Engineering	Mathematics	
Specialization					
Magister					
Master					
Diploma	2000	University of Niš, Faculty of Sciences and Mathematics	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	4OER4A04	Probability and Statistics	L	Electrical Engineering and Computer Science	BAS
2	4OEK4A05	Probability and Statistics	L	Electrical Engineering and Computer Science	BAS
3	4OEU6B10	Probability and Statistics	L	Electrical Engineering and Computer Science	BAS
4	4OER4A05	Geometric methods with applications	L	Electrical Engineering and Computer Science	BAS
5	4OEU5A10	Discrete Mathematics	L	Electrical Engineering and Computer Science	BAS
6	4OER3O01	Discrete Mathematics	L	Electrical Engineering and Computer Science	BAS
7	4OEZ1O01	Mathematics 1	L	Electrical Engineering and Computer Science	BAS
8	4OEZ2O01	Mathematics 2	L	Electrical Engineering and Computer Science	BAS
9	4OER4A01	Matrix Computing	L	Electrical Engineering and Computer Science	BAS
10	4OEP6A03	Numerical Analysis	L	Electrical Engineering and Computer Science	BAS
11	4OER8A11	Stochastic processes and modeling	L, E	Electrical Engineering and Computer Science	BAS
12	4OER4A02	Graph Theory	L	Electrical Engineering and Computer Science	BAS
13	4MRZ1A29	Methods of optimization	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	J. Džunić, Root-multiplicity and root iterative refinement, Filomat 37:26 (2023), 8995–9008				
2	J. Džunić, NEW FAMILY OF ROOT-FINDING ALGORITHMS BASED ON INVERSE RATIONAL INTERPOLATION, Appl. Anal. Discrete Math. 17 (2023), 418–431				
3	J. Džunić, L.D. Petković, M.S. Petković On an application of Herzberger's matrix method to multipoint families of root-solvers, FILOMAT, vol. 32, no 11 (2018) 3815-3829				
4	J. Džunić, I. Damjanović, General approach to constructing optimal multipoint families of iterative methods using Hermite's rational interpolation, J. Comput. Appl. Math. 321 (2017), 261-269				
5	B.I. Yun, M.S. Petković, J. Džunić, On a general transformation of multipoint root-solvers, J. Comput. Appl. Math. 292 (2016), 136-149.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	1007	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	25	Number of international projects at which the lecturer currently participates			0
Specializations					
Other data considered relevant					

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

Last name, middle letter, first name			Frtunić Gligorijević B. Milena		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister					
Master					
Diploma	2013	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER3O02	Databases	E, OFE	Electrical Engineering and Computer Science	BAS
2	4OER7O01	Artificial Intelligence	L, E	Electrical Engineering and Computer Science	BAS
3	4OER8A05	Data and Knowledge engineering	E, OFE	Electrical Engineering and Computer Science	BAS
4	4OER4O02	Data Structures	OFE	Electrical Engineering and Computer Science	BAS
5	4MRZ1A02	Intelligent Systems	L, E	Computer Science and Informatics	MAS
6	4MRI2B04	Information Technologies for Development of E-Government Systems	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Milena Frtunić Gligorijević, Miloš Bogdanović, Nataša Veljković and Leonid Stoimenov, "Open data categorization based on formal concept analysis", in IEEE Transactions on Emerging Topics in Computing, vol. 9, no. 2, pp. 571-581, 1 April-June 2021, DOI: 10.1109/TETC.2019.2919330				
2	Miloš Bogdanović, Milena Frtunić Gligorijević, Jelena Kocić, and Leonid Stoimenov. 2025. „An Analysis of the Training Data Impact for Domain-Adapted Tokenizer Performances—The Case of Serbian Legal Domain Adaptation.“ Applied Sciences, 15(13), 7491. https://doi.org/10.3390/app15137491				
3	Miloš Bogdanović, Milena Frtunić Gligorijević, Jelena Kocić, and Leonid Stoimenov. 2025. "Improving Text Recognition Accuracy for Serbian Legal Documents Using BERT" Applied Sciences 15, no. 2: 615.				
4	Miloš Bogdanović, Milena Frtunić Gligorijević, Nataša Veljković, Darko Puflović, Leonid Stoimenov, Cross-portal metadata alignment - connecting open data portals through means of formal concept analysis, Information Sciences, vol. 637, 2023, 118958, ISSN 0020-0255, DOI: 10.1016/j.ins.2023.118958				
5	Miloš Bogdanović, Nataša Veljković, Milena Frtunić Gligorijević, Darko Puflović and Leonid Stoimenov, "On revealing shared conceptualization among open datasets", in Journal of Web Semantics, vol. 66, 100624, 2021. ISSN 1570-8268, DOI: 10.1016/j.websem.2020.100624.				
6	Aleksandar Stanimirović, Miloš Bogdanović, Milena Frtunić, and Leonid Stoimenov. “Low-Voltage Electricity Network Monitoring System: Design and Production Experience.” International Journal of Distributed Sensor Networks, 2020.				
7	Milena Frtunić Gligorijević, Miloš Bogdanović, Nataša Veljković, Leonid Stoimenov, “Tool for Interactive Visual Analysis of Large Hierarchial Data Structures“, Facta Universitatis, Series: Automatic Control and Robotics, Vol. 20, No 2, 2021, pp. 111 - 121. Print ISSN: 1820-6417, Online ISSN: 1820-425				
8	Miloš Bogdanović, Milena Frtunić Gligorijević, Nataša Veljković, Leonid Stoimenov, “Generating knowledge structures from open datasets' tags - an approach based on formal concept analysis“, Facta Universitatis, Series: Automatic Control and Robotics, Vol. 20, No:1, pp. 21-31, 2021. Print ISSN: 1820-6417, Online ISSN: 1820-425				
9	Milena Frtunić Gligorijević, Miloš Bogdanović, Leonid Stoimenov, "Determining category metadata in open data portals – an approach based on Formal Concept Analysis," 2024 32nd Telecommunications Forum (TELFOR), Belgrade, Serbia, 2024, pp. 1-8, doi: 10.1109/TELFOR63250.2024.10819115				
10	Milena Frtunić Gligorijević, Darko Puflović, Evgenija Stevanoska, Tatjana Jevtović Stoimenov, Goran Velinov and Leonid Stoimenov, "Interactive Map Visualization System Based on Integrated Semi-structured and Structured Healthcare Data", Data Integration in the Life Sciences 2017 (DILS 2017), Lecture Notes in Computer Science, 2017, vol. 10649, pp. 94-108, Springer				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	29	Number of domestic projects at which the lecturer currently participates			0
Total number of papers on the SCI (SSCI) list	6	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			Janković 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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2011	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	1995	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1991	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OEZ2O02	Fundamentals of Algorithms and Programming	L	Electrical Engineering and Computer Science	BAS
2	4OER8A01	Multimedia Systems	L	Electrical Engineering and Computer Science	BAS
3	4OER4O01	Object Oriented Design	L	Electrical Engineering and Computer Science	BAS
4	4OER3O03	Object Oriented Programming	L	Electrical Engineering and Computer Science	BAS
5	4OER5A03	Algorithm Design and Analysis	L	Electrical Engineering and Computer Science	BAS
6	4OER7A05	Software Testing and Quality	L	Electrical Engineering and Computer Science	BAS
7	4MRB2B03	Blockchain Technologies	L	Computer Science and Informatics	MAS
8	4MRZ1A28	Data Visualization	L	Computer Science and Informatics	MAS
9	4MRI1B05	Medical Information Systems	L	Computer Science and Informatics	MAS
10	4MRI2B07	Medical Signal and Image Processing and Analysis	L	Computer Science and Informatics	MAS
11	4MRB1B02	Secure Software Design	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Rajković, P., Aleksić, D., Janković, D., Milenković, A., & Đorđević, A. (2025). Hybrid deployment strategy for software updates to the manufacturing execution system layer. <i>Computer Science and Information Systems</i> , 00(00), 27–27. https://doi.org/10.2298/CSIS240807027R				
2	Rajković, P., Vesković, M., Aleksić, D., & Janković, D. (2025). Resource-aware design of an IoT node for use in remote industrial and hazardous areas. <i>Computer Science and Information Systems</i> , 00. https://doi.org/10.2298/csis240807026r				
3	Spasić, A., Janković, D., Rajković, P., & Aleksić, D. (2022). Programme-Sensitive Modifications of Generalized Net Model of Software-Intensive Production of Stereoscopic Multimedia Content. <i>JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL</i> , 61(5), 824–842. https://doi.org/10.1134/S1064230722050136				
4	Milenkovic, A., Jankovic, D., & Rajkovic, P. (2020). Extensions and adaptations of existing medical information system in order to reduce social contacts during COVID-19 pandemic. <i>International Journal of Medical Informatics</i> , 141, 104224–104224. https://doi.org/10.1016/j.ijmedinf.2020.104224				
5	Savić, M., Ivanović, M., Luković, I., Delibašić, B., Protić, J., & Janković, D. (2021). Students' preferences in selection of computer science and informatics studies : A comprehensive empirical case study. <i>Computer Science and Information Systems / ComSIS</i> , 18(1), 251–283. https://doi.org/10.2298/CSIS200901054S				
6	Rajković, P., Aleksić, D., Đorđević, A., & Janković, D. (2022). Hybrid Software Deployment Strategy for Complex Industrial Systems. <i>ELECTRONICS</i> , 11(14), 2186–2186. https://doi.org/10.3390/electronics11142186				
7	Milošević, M., Janković, D., Milenkovic, A., & Stojanov, D. (2018). Early diagnosis and detection of breast cancer [IOS Press]. <i>Technology and Health Care</i> , 26(4), 729–759. https://doi.org/10.3233/thc-181277				
8	Avdić, A., Marovac, U., & Janković, D. (2020). Automated labeling of terms in medical reports in Serbian. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> 28(6), 28(6). https://doi.org/10.3906/elk-2002-9				
9	Aleksić, D., Rajković, P., Vučković, D., Janković, D., & Milenković, A. (2017). Data summarization method for chronic disease tracking. <i>Journal of Biomedical Informatics</i> , 69, 188–202. https://doi.org/10.1016/j.jbi.2017.04.012				
10	Aleksić, D., Janković, D., & Rajković, P. (2017). Product configurators in SME one-of-a-kind production with the dominant variation of the topology in a hybrid manufacturing cloud. <i>The International Journal of Advanced Manufacturing Technology</i> , 92(5-8), 2145–2167. https://doi.org/10.1007/s00170-017-0286-1				

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	641	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	33	Number of international projects at which the lecturer currently participates	0
Specializations			
Other data considered relevant			

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

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

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

Last name, middle letter, first name			Milenković M. Aleksandar		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister					
Master					
Diploma	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OEZ2O02	Fundamentals of Algorithms and Programming	L, E	Electrical Engineering and Computer Science	BAS
2	4OER4O04	Computer Architecture and Organization II	E, OFE	Electrical Engineering and Computer Science	BAS
3	4OER4O01	Object Oriented Design	E, OFE	Electrical Engineering and Computer Science	BAS
4	4OER3O03	Object Oriented Programming	E, OFE	Electrical Engineering and Computer Science	BAS
5	4MRI1B05	Medical Information Systems	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Rajković, P., Aleksić, D., Janković, D., Milenković, A., & Đorđević, A. (2025). Hybrid deployment strategy for software updates to the manufacturing execution system layer. <i>Computer Science and Information Systems</i> , 00(00), 27–27. https://doi.org/10.2298/CSIS240807027R				
2	Edee, K., Rafailov, E., Vinković Vrček, I., Milenković, A., & Gric, T. (2025). Statistically Correlated Disordered Freeform Random Metasurfaces: Generation and electromagnetic numerical simulation. <i>Optics Express</i> , 33(5). https://doi.org/10.1364/oe.550152				
3	Milenković, A., Janković, D., Đorđević, A., Sibinović, V., Veljanovski, A., & Janković, D. (2025). Emerging concept of personalized medicine vending machine based on the era of covid-19 pandemic. <i>Facta Universitatis, Series: Electronics and Energetics</i> , 38(3), 563-580. https://doi.org/10.2298/FUEE2503563M				
4	Milenkovic, A., Jankovic, D., & Rajkovic, P. (2020). Extensions and adaptations of existing medical information system in order to reduce social contacts during COVID-19 pandemic. <i>International Journal of Medical Informatics</i> , 141, 104224–104224. https://doi.org/10.1016/j.ijmedinf.2020.104224				
5	Milošević, M., Janković, D., Milenkovic, A., & Stojanov, D. (2018). Early diagnosis and detection of breast cancer [IOS Press]. <i>Technology and Health Care</i> , 26(4), 729–759. https://doi.org/10.3233/thc-181277				
6	Rajković, P., Aleksić, D., Janković, D., Milenković, A., & Petković, I. (2018). Checking the potential shift to perceived usefulness—The analysis of users’ response to the updated electronic health record core features. <i>International Journal of Medical Informatics</i> , 115, 80–91. https://doi.org/10.1016/j.ijmedinf.2018.04.011				
7	Aleksić, D., Rajković, P., Vučković, D., Janković, D., & Milenković, A. (2017). Data summarization method for chronic disease tracking. <i>Journal of Biomedical Informatics</i> , 69, 188–202. https://doi.org/10.1016/j.jbi.2017.04.012				
8	Rajković, P., Janković, D., & Milenković, A. (2013). Developing and Deploying Medical Information Systems for Serbian Public Healthcare - Challenges, Lessons Learned and Guidelines [Belgrade : ComSIS Consortium]. <i>Computer Science and Information Systems</i> , 10(3), 1429–1454. https://doi.org/10.2298/csis120523056r				
9	Janković, D., Rajković, P., Stanković, T., Milenković, A., & Kocić, I. (2012). Application of medical information systems in education and research in medicine. <i>Acta Medica Medianae</i> . https://doi.org/10.5633/amm.2012.0113				
10	Milenković, A., Janković, D., Đorđević, A., Spasić, A., & Rajković, P. (2021). REALIZATION OF DISTRIBUTED MEDICAL DATA REPOSITORY IN AN ENVIRONMENT WITH HETEROGENOUS MIS. <i>Facta Universitatis, Series: Automatic Control and Robotics</i> , 20(3), 135–154. https://doi.org/10.22190/FUACR210930011M				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	156	Number of domestic projects at which the lecturer currently participates			0
Total number of papers on the SCI (SSCI) list	8	Number of international projects at which the lecturer currently participates			2
Specializations					
Other data considered relevant					

Member of the Management Committee and representative of Serbia for COST action CA23125 - The mETamaterial formalism approach to recognize cancer (TETRA)

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

Last name, middle letter, first name			Milentijević Z. Ivan		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	1998	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1989	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing technology and informatics	
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	4OER3O04	Computer Architecture and Organization I	L	Electrical Engineering and Computer Science	BAS
2	4OER4O04	Computer Architecture and Organization II	L	Electrical Engineering and Computer Science	BAS
3	4OEU4O02	Organization of Computer Systems	L	Electrical Engineering and Computer Science	BAS
4	4OER8O03	Computer Science Seminar	L	Electrical Engineering and Computer Science	BAS
5	4OER7A06	Technology Enhanced Learning	L	Electrical Engineering and Computer Science	BAS
6	4OER7B01	IT Project Management	L	Electrical Engineering and Computer Science	BAS
7	4MRI1B06	Advanced Learning Technologies	L	Computer Science and Informatics	MAS
8	4MRB1B08	High-performance Computing	L	Computer Science and Informatics	MAS
9	4MRB2B02	Management of IT Resources and Services	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Vladimir Ciric, Marija Milosevic, Danijel Sokolovic, Ivan Milentijevic, "Modular deep learning-based network intrusion detection architecture for real-world cyber-attack simulation." Simulation Modelling Practice and Theory 133 (2024): 102916. (M21)				
2	Arsić, B., Đokić-Petrović, M., Spalević, P., Milentijević, I., Rančić, D., & Živanović, M. (2019). SpecINT: A framework for data integration over cheminformatics and bioinformatics RDF repositories. SEMANTIC WEB, 10(4), 795–813. https://doi.org/10.3233/sw-180327 . (M21)				
3	Vladimir M. Ciric, Ivan Z. Milentijevic, Oliver M. Vojinovic, Nemanja S. Manic, "Cost Estimation of Blended Learning Course Delivery Through Public Cloud", Journal of Universal Computer Science, Vol. 25, No. 4, May 2019, pp. 310-333, ISSN: 0948-695X, 5y-IF 1.066. (M23)				
4	O. Vojinovic, V. Simic, I. Milentijevic and V. Ciric, "Tiered Assignments in Lab Programming Sessions: Exploring Objective Effects on Students' Motivation and Performance," in IEEE Transactions on Education. Vol. 63, No 3, pp.164-172, Aug. 2020. ISSN: 0018-9359, doi: 10.1109/TE.2019.2961647. (M22)				
5	Kuk, K., Milentijević, I. Z., Randelović, D., Popović, B., & Čisar, P. (2017). The Design of the Personal Enemy - MIMLeBot as an Intelligent Agent in a Game-based Learning Environment [Budapest Tech, Budapest]. Acta Polytechnica Hungarica, 14(4), 121–139. https://doi.org/10.12700/APH.14.4.2017.4.7 . (M23)				
6	Milovanović, I. Ž., Ćirić, V. M., Milentijević, I. Z., & Milovanović, E. I. (2017). On Some Spectral, Vertex and Edge Degree-Based Graph Invariants. Match: Communications in Mathematical and in Computer Chemistry, 77(1), 177–188. (M21)				
7	Dimic, G., Rančić, D., Milentijević, I., & Spalević, P. (2018). Improvement of the Accuracy of Prediction Using Unsupervised Discretization Method: Educational Data Set Case Study. Technical Gazette, 25(2), 407–414. https://doi.org/10.17559/tv-20170220135853 . (M23)				
8	Ćirić, V. M., Aleksandar Cvetkovic, , Milentijević, I. Z., & Vojinović, O. M. (2016). All-Pairs Shortest Paths Algorithm for Regular 2D Mesh Topologies [IICM]. Journal of Universal Computer Science, 22(11), 1437–1455. https://doi.org/10.3217/jucs-022-10-1437 . (M23)				
9	Vladimir Ciric, Dusan Cvetkovic, Nadja Gavrilovic, Natalija Stojanovic, Ivan Milentijevic, "Input Splits Design Techniques for Network Intrusion Detection on Hadoop Cluster", Facta Universitatis, Series: Electronics and Energetics, Vol 34, No 2 (2021), pp. 239-257.				
10	Simić, V., Ćirić, V., Savic, N., & Milentijević, I. (2016). Sparse Matrix Multiplication on Dataflow Engines. Parallel Processing and Applied Mathematics. https://doi.org/10.1007/978-3-319-32149-3_3				

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	208	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	31	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			Milosavljević Lj. Aleksandar		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER6A02	Human-Computer Interaction	L	Electrical Engineering and Computer Science	BAS
2	4OER7A08	Computer Vision	L	Electrical Engineering and Computer Science	BAS
3	4OER6O01	Software Engineering	L	Electrical Engineering and Computer Science	BAS
4	4MRP2B03	Deep Learning	L, E	Computer Science and Informatics	MAS
5	4MRZ1A08	Requirements Engineering	L	Computer Science and Informatics	MAS
6	4MRZ1A01	Advanced Software Engineering	L	Computer Science and Informatics	MAS
7	4MRZ1A07	Computer Animation	L	Computer Science and Informatics	MAS
8	4MRZ2A03	Virtual and Augmented Reality Systems	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Aleksandar Milosavljević, Bratislav Predić, Djuradj Milošević, "Imagelytics suite: deep learning-powered image classification for bioassessment in desktop and web environments", Logic Journal of the IGPL, September 2024, pn. jzae103, ISSN: 1368-9894, https://doi.org/10.1093/jigpal/jzae103 , M21.				
2	Aleksandar Milosavljević, "Automated Processing of Remote Sensing Imagery Using Deep Semantic Segmentation: A Building Footprint Extraction Case", ISPRS International Journal of Geo-Information, Vol. 9, Issue 8, August 2020, pn. 486, ISSN: 2220-9964, https://doi.org/10.3390/ijgi9080486 , M22.				
3	Aleksandar Milosavljević, "Identification of Salt Deposits on Seismic Images Using Deep Learning Method for Semantic Segmentation", ISPRS International Journal of Geo-Information, Vol. 9, Issue 1, January 2020, pn. 24, ISSN: 2220-9964, https://doi.org/10.3390/ijgi9010024 , M22.				
4	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "Integration of GIS and video surveillance", International Journal of Geographic Information Science, Vol. 30, Issue 10, March 2016, pp. 2089-2107. ISSN: 1365-8816, https://doi.org/10.1080/13658816.2016.1161197 , M21.				
5	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "A Method for Estimating Surveillance Video Georeferences", ISPRS International Journal of Geo-Information, Vol. 6, Issue 7, July 2017, pn. 211, ISSN: 2220-9964, https://doi.org/10.3390/ijgi6070211 , M23.				
6	Predrag Simović, Aleksandar Milosavljević, Katarina Stojanović, Milena Radenković, Dimitrija Savić-Zdravković, Bratislav Predić, Ana Petrović, Milenka Božanić, Djuradj Milošević, "Automated identification of aquatic insects: A case study using deep learning and computer vision techniques", Science of The Total Environment, Vol. 935, July 2024, pn. 172877. ISSN: 0048-9697, https://doi.org/10.1016/j.scitotenv.2024.172877 , M21a.				
7	Djuradj Milošević, Andrew S Medeiros, Milica Stojković Piperac, Dušanka Cvijanović, Janne Soininen, Aleksandar Milosavljević, Bratislav Predić, "The application of Uniform Manifold Approximation and Projection (UMAP) for unconstrained ordination and classification of biological indicators in aquatic ecology", Science of The Total Environment, Vol. 815, April 2022, pn. 152365. ISSN: 0048-9697, https://doi.org/10.1016/j.scitotenv.2021.152365 , M21a.				
8	Djuradj Milošević, Aleksandar Milosavljević, Bratislav Predić, Andrew S Medeiros, Dimitrija Savić-Zdravković, Milica Stojković Piperac, Tijana Kostić, Filip Spasić, Florian Leese, "Application of deep learning in aquatic bioassessment: towards automated identification of non-biting midges", Science of The Total Environment, Vol. 711, April 2020, pn. 135160. ISSN: 0048-9697, https://doi.org/10.1016/j.scitotenv.2019.135160 , M21a.				
9	Mina Milanović, Suzana Otašević, Marina Randelović, Andrea Grassi, Claudia Cafarchia, Mihai Mares, Aleksandar Milosavljević, "Multi-Convolutional Neural Network-Based Diagnostic Software for the Presumptive Determination of Non-Dermatophyte Molds", Electronics, Vol. 13, Issue 3, January 2024, pn. 594, ISSN: 2079-9292, https://doi.org/10.3390/electronics13030594 , M22.				

10	Aleksandar Jovanović, Aleksandar Milosavljević, "VoRtex Metaverse Platform for Gamified Collaborative Learning", Electronics, Vol. 11, Issue 3, January 2022, pn. 317, ISSN: 2079-9292, https://doi.org/10.3390/electronics11030317 , M22.		
	Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer		
Total number of citations	465	Number of domestic projects at which the lecturer currently participates	0
Total number of papers on the SCI (SSCI) list	16	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			Milovanović I. Emina		
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			Computing and Informatics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2003	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
PhD	1993	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Specialization					
Magister	1989	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Master					
Diploma	1981	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Automatic Control and Informatics
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	4OER4O04	Computer Architecture and Organization II	L	Electrical Engineering and Computer Science	BAS
2	4OER8O01	Distributed Systems	L	Electrical Engineering and Computer Science	BAS
3	4OER6O02	Parallel Computing systems	L	Electrical Engineering and Computer Science	BAS
4	4OER7A01	Computer Networks Design	L	Electrical Engineering and Computer Science	BAS
5	4OER5O02	Computer Networks	L	Electrical Engineering and Computer Science	BAS
6	4MRB1B01	Computer Network Security	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	E. Milovanović, M. Stojčev, I. Milovanović, T. Nikolić, Z. Stamenković, Concurrent generation of pseudo random numbers with LFSR of Fibonacci and Galois type, Comput. Infor., Vol. 34, (2015), 1001-1019. (M23)				
2	N. M. Stojanovic, E. I. Milovanovic, Teaching introductory Parallel computing course with hands-on experience, Int. J. Engineer. Edu. 31 (5) (2015) 1343-1351 (M23)				
3	V. Ćirić,, E.Milovanović, Power Consumption Aware Software Architecture for M-Health Applications with Adaptive Security of Network Protocols, Proc. 12th Int. Conf. on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS) 2015, vol. 1 br. 1 pp. 297-300, ISBN: 978-1-4673-7514-6 (M33)				
4	A. Albalahi, E. Milovanovic, A. Ali, General Atom-Bond Sum-Connectivity Index of Graphs, MATHEMATICS, 11 (11) (2023) 2494 https://doi.org/10.3390/math11112494 . (M21a)				
5	A. Ali, I. Gutman, E. Milovanovic, I. Milovanovic, Sum of Powers of the Degrees of Graphs: Extremal Results and Bounds, MATCH Commun. Math. Comput. Chem. 80 (1) (2018) 5-84 (M21)				
6	E. I. Milovanović, I. Ž. .Milovanović , M. K. Stojčev, Hexagonal arrays for fault-tolerant matrix multiplication, FILOMAT, 29 (9) (2015),1969-1981. (M22)				
7	A. Ali, I. Milovanović, M. Matejić, E. Milovanović, A. M. Alanazi, On the Symmetric Division Deg Coindex, MATCH Commun. Math. Comput. Chem., 94 (2) (2025) 461-476. (M21)				
8	K. Ch.Das, I. Gutman, I. Milovanović, E. Milovanović, B. Furtula, Degree-based energies of graphs, Linear Algebra and its Applications, 554 (2018) 185–204. (M21a)				
9	I. Milovanović, E. Milovanović, S. Stankov, M. Matejić,, Some observations on Sombor coindex of graphs, Communications in Combinatorics and Optimization, 9 (1) (2024) 813-825. (M21a)				
10	M. Matejić, Ş. B. Bozkurt Altındağ, E. Milovanović, I. Milovanović, On the Randic incidence energy of graphs, Computational and Applied Mathematics, Vol 40, Article number: 209 (2021). (M21)				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	964	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	95	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			Nejković M. Valentina		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2020	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2014	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER8A02	Information Technologies and Systems	E, OFE	Electrical Engineering and Computer Science	BAS
2	4OER5O03	Information Systems	E, OFE	Electrical Engineering and Computer Science	BAS
3	4OER7B02	Social, Legal and Ethical Aspects of Computer Science	L	Electrical Engineering and Computer Science	BAS
4	4OEZ1O04	Introduction to Computing	L	Electrical Engineering and Computer Science	BAS
5	4MRP2B02	Social Networks Analysis	E	Computer Science and Informatics	MAS
6	4MRI1B03	Semantic Web	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Valentina Nejkovic, Muhammed Maruf Öztürk, Nenad Petrovic, (2022). Head pose healthiness prediction using a novel image quality based stacked autoencoder, Digital Signal Processing 130 (2022), https://doi.org/10.1016/j.dsp.2022.103696 , (IF 2022=2.9)				
2	Valentina Nejkovic, Filip Jelenkovic, Nikos Makris, Virgilios Passas, Thanasis Korakis, Milorad Tosic, (2021). Semantic Coordination on the Edge of Heterogeneous Ultra Dense Networks, Journal of Network and Systems Management, Volume 29, Issue 2 Apr 2021, https://doi.org/10.1007/s10922-020-09576-3				
3	Nejkovic, V., Milicevic, M.S, Janackovic, G., Grozdanovic, M, (2022). Application of Fuzzy Analytic Hierarchy Process to Inductive Steel Tube Welding, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume 25, Number 1, 2022, 24–40, (2022)				
4	Valentina Nejkovic, Nenad Petrovic, Milorad Tosic and Nenad Milosevic: Semantic approach to RIoT autonomous robots mission coordination. Robotics and Autonomous Systems (2020), https://doi.org/10.1016/j.robot.2020.103438				
5	Nejkovic V, Tosic M. Exploring factors for effective use of online information in SPOC within the engineering education. Comput Appl Eng Educ. 2018;1–12.				
6	Irene Kilanioti, Alejandro Fernández-Montes, Damián Fernández-Cerero, Christos Mettouris, Valentina Nejkovic, Rabih Bashroush, George A. Papadopoulos: A survey on cost-effective context-aware distribution of social data streams over energy-efficient data centres. Simulation Modelling Practice and Theory 93: 42-64 (2019)				
7	Filip Jelenkovic, Milorad Tosic, and Valentina Nejkovic. "Semantic driven code generation for networking testbed experimentation." Enterprise Information Systems 12.8-9 (2018): 1083-1099, https://doi.org/10.1080/17517575.2018.1509135				
8	Schweinsberg, M., Feldman, M., Staub N,..., Nejkovic, V. (2021), Same data, different conclusions: Radical dispersion in empirical results when independent analysts operationalize and test the same hypothesis, Organizational Behavior and Human Decision Processes, Volume 165, July 2021, Pages 228-249, https://doi.org/10.1016/j.obhdp.2021.02.003				
9	Milicevic Miroslav, Nejkovic Valentina (2023). Development of Microcomputers and Motor Control Software for Steel Pipe Cutting Units, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, (2023), vol. 26 no. 1, pp. 100-117, DOI: 10.59277/ROMJIST.2023.1.07				
10	Milicevic Miroslav, Nejkovic Valentina (2024). IMPLEMENTATION OF OPTIMAL HF WELDING PROCEDURE OF STEEL PIPES FOR HIGH QUALITY AND ENERGY EFFICIENT WELDS, Proceedings in the Romanian Academy, DOI: 10.59277/PRA-SER.A.25.1.08				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	246	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			1
Specializations					

Other data considered relevant
In the last 4 years, she has been a mentor for 74 graduate theses.

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

Last name, middle letter, first name			Petković M. Ivan		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2022	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2002	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER5O04	Web Programming	L, E	Electrical Engineering and Computer Science	BAS
2	4OER6A04	Development of Web and Multiplatform Applications	L, E, OFE	Electrical Engineering and Computer Science	BAS
3	4MRZ1A04	Advanced Web Technologies	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	I. Petković, Đ. Herceg, Symbolic Programing for Visualization and Study of Mathematical Problems, Faculty of Electronic Engineering of Niš, 2022, ISBN 978-86-6125-239-6,				
2	M. Stanković, S. Stojković, M. Radmanović, I. Petković. Object orented languages C++ and Java practicum. Faculty of Electronic Engineering of Niš, ISBN 86-85195-08-X.				
3	I. Petković, Đ. Herceg, Computers in mathematical research: the study of three-point root-finding methods, Numerical Algorithms, 84, (2020), 1179–1198 ISSN 1017-1398, doi-10.1007/s11075-019-00796-6.				
4	I. Petković, Đ. Herceg, Symbolic computation and computer graphics as tools for developing and studying new root-finding methods, Applied Mathematics and Computation 295 (2017) 95–113.				
5	I. Petkovic, Computational efficiency of some combined methods for polynomial equations, Applied Mathematics and Computation 204 (2008),				
6	I. Petković, B. Neta, On an application of symbolic computation and computer graphics to root-finders: The case of multiple roots of unknown multiplicity, Journal of Computational and Applied Mathematics 308 (2016) 215–230 doi.org/10.1016/j.cam.2016.06.008				
7	I. Petković, Đ. Herceg, Computer methodologies for comparison of computational efficiency of simultaneous methods for finding polynomial zeros, Journal of Computational and Applied Mathematics 368 (2020), ID 112513, 1-19, doi.org/10.1016/j.cam.2019.112513				
8	I. Petković, P. Rajković, A. Milenković, On the characterization of tasks modeled by interval design structure matrix on domain-driven software development, Facta Universitatis, Series Mathematics and Informatics, Vol. 32, No 2 (2017), 181–193				
9	I. Petković: A new program for Web protection and compression. Novi Sad Journal of Mathematics, Vol. 32, No. 1, 2002, 167-178.				
10	M. Stanković, I. Petković, M. Rajković, Online Web Laboratories implemented as Web Services, Invited Lecture, Telfor 2003				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	88	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			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			Predić B. Bratislav		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2012	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization				Computing and Informatics	
Magister	2008	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2003	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OEZ2O02	Fundamentals of Algorithms and Programming	L	Electrical Engineering and Computer Science	BAS
2	4OER7A04	Software Architecture and Design	L, E	Electrical Engineering and Computer Science	BAS
3	4OER5O01	Operating Systems	L	Electrical Engineering and Computer Science	BAS
4	4OER6A05	Mobile Application and Service Development	L	Electrical Engineering and Computer Science	BAS
5	4OEZ1O04	Introduction to Computing	L	Electrical Engineering and Computer Science	BAS
6	4MRZ1A03	Geospatial Information Systems	L, E	Computer Science and Informatics	MAS
7	4MRB1B03	Digital Forensics	L, E	Computer Science and Informatics	MAS
8	4MRZ2A04	DevOps - Integrated Approach to Software Development	L, E	Computer Science and Informatics	MAS
9	4MRZ2A02	Ubiquitous Computing	E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Milošević, D., Milosavljević, A., Simović, P., Trajković, A., Medeiros, A., Savić-Zdravković, D., ... & Predić, B. (2025). Unsupervised deep clustering as a tool for the identification of dark taxa in biomonitoring. <i>Environmental Monitoring and Assessment</i> , 197(8), 858.				
2	Šijan, A., Viduka, D., Ilić, L., Predić, B., & Karabašević, D. (2024). Modeling cybersecurity risk: the integration of decision theory and pivot pairwise relative criteria importance assessment with scale for cybersecurity threat evaluation. <i>Electronics</i> , 13(21), 4209.				
3	Milosavljević, A., Predić, B., & Milošević, D. (2024). Imagelytics suite: deep learning-powered image classification for bioassessment in desktop and web environments. <i>Logic Journal of the IGPL</i> , jzae103.				
4	Simović, P., Milosavljević, A., Stojanović, K., Radenković, M., Savić-Zdravković, D., Predić, B., ... & Milošević, D. (2024). Automated identification of aquatic insects: A case study using deep learning and computer vision techniques. <i>Science of The Total Environment</i> , 935, 172877.				
5	Ilić, L., Šijan, A., Predić, B., Viduka, D., & Karabašević, D. (2024). Research Trends in Artificial Intelligence and Security—Bibliometric Analysis. <i>Electronics</i> , 13(12), 2288.				
6	Predić, B., Jovanovic, L., Simic, V., Bacanin, N., Zivkovic, M., Spalevic, P., ... & Dobrojevic, M. (2024). Cloud-load forecasting via decomposition-aided attention recurrent neural network tuned by modified particle swarm optimization. <i>Complex & Intelligent Systems</i> , 10(2), 2249-2269.				
7	Ilić, L., Šijan, A., & Predić, B. (2023). Application of Chatbot AI in the creation of web mining programs and their analysis. <i>Journal of process management and new technologies</i> , 11(3-4), 57-65.				
8	Predić, B., Ćirić, M., & Stoimenov, L. (2023). Business purchase prediction based on XAI and LSTM neural networks. <i>Electronics</i> , 12(21), 4510.				
9	Ćirić, M., Predić, B., Stojanović, D., & Ćirić, I. (2023). Single and multiple separate LSTM neural networks for multiple output feature purchase prediction. <i>Electronics</i> , 12(12), 2616.				
10	Predić, B., Vukić, U., Saračević, M., Karabašević, D., & Stanujkić, D. (2022). The possibility of combining and implementing deep neural network compression methods. <i>Axioms</i> , 11(5), 229.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	601	Number of domestic projects at which the lecturer currently participates			0

Total number of papers on the SCI (SSCI) list	22	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			Radmanović M. Miloš		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2001	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER3A01	Logic Design	L, E	Electrical Engineering and Computer Science	BAS
2	4OER8A08	Methods and Systems for Signal Processing	L, E	Electrical Engineering and Computer Science	BAS
3	4OER5A02	Fundamentals of Signals and System Analyzes	L, E, OFE	Electrical Engineering and Computer Science	BAS
4	4MRI1B04	Methods and Techniques of the Image Processing	E	Computer Science and Informatics	MAS
5	4MRZ1A27	Pattern Recognition	L	Computer Science and Informatics	MAS
6	4MRI1B02	Application of Multiple Valued Logic in Representation and Processing of Digital Signals	L, E	Computer Science and Informatics	MAS
7	4MRI2B01	Spectral Techniques	L, E	Computer Science and Informatics	MAS
8	4MRI2B05	Fuzzy Logic	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	M. Radmanović, "Evaluation of Binary Decision Diagrams Complexity using Relative Arithmetic Width", IEEE Trans. on CAD of Integrated Circuits and Systems, vol. 42, no.10, pp.3469-3473, 2023.				
2	M. Radmanović, R. Stanković, "Construction of Multiple-Valued Bent Functions Using Subsets of Coefficients in GF and RMF Domains", IEICE Trans. on Information and Systems, vol.E104-D, no.8, pp.1103-1110, 2021.				
3	M. Radmanović, D. Gajić, and R. Stanković, "Efficient Computation of Galois Field Expressions on Hybrid CPU-GPU Platforms", Journal of Multiple-Valued Logic and Soft Computing, vol.26, no.3-5, pp.417-438, 2016.				
4	M. Radmanović, R. Stanković, and C. Moraga, "Computation of the Total Autocorrelation over Shared Binary Decision Diagrams", IEICE Trans. on Fundamentals of Electronics Communications and Computer Science, vol.E97-A, no.5, 2014.				
5	M. Radmanović, R. Stanković, "Generating Synthetic MVL Benchmarks from Random MDDs Under Restrictions", Proc. 48th IEEE International Symposium on Multiple-Valued Logic (ISMVL2018), Linz, Austria, 2018, pp. 168-173.				
6	M. Radmanović, R. Stanković, "Discovery of Multiple-Valued Bent Functions in Galois Field and Reed-Muller-Fourier Domains," Proc 47th IEEE International Symposium on Multiple-Valued Logic (ISMVL2017), Novi Sad, Serbia, 2017, pp. 143-148.				
7	M. Radmanović, R. Stanković, "Efficient Generation of Bent Functions Using a GPU", Chapter 2, Section 2.2 in "Further Improvements in the Boolean Domain", eds. Bernd Steinbach, Cambridge Scholars Publishing, pp.120-135, 2018, ISBN 978-1-5275-0371-7.				
8	S. Stanković, D. B. Gajić, S. Stojković, M. Radmanović, "Efficient Computing of the Gibbs Dyadic Derivatives", Chapter 2, Section 2.2 in "Problems and New Solutions in the Boolean Domain", eds. Bernd Steinbach, Cambridge Scholars Publishing, pp.150-166, 2016, ISBN 978-1-4438-8947-6.				
9	M. Radmanović and R. Stanković, "Discovery of Bent Functions in Fixed Polarity Reed-Muller Domain Using Dual Polarity Route", Proc. 13th Int. Workshop on Boolean Problems (IWSBP2018), Bremen, Germany, 19-21, Sept., 2018, pp.43-59.				
10	M. Radmanović, "Efficient Random Generation of Bent Functions using GPU Platform", Proc. 12th Int. Workshop on Boolean Problems (IWSBP2016), Freiberg, Germany, 22-23, Sept., 2016, pp.167-173.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	22	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	4	Number of international projects at which the lecturer currently participates			1
Specializations					
Study stays at the University of Dortmund (winter semester 2004, summer semester 2005, winter semester 2006)					

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			Rajković J. Petar		
Title			Asstant 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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2023	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2002	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER7A02	Information Security	E	Electrical Engineering and Computer Science	BAS
2	4OER3A01	Logic Design	L	Electrical Engineering and Computer Science	BAS
3	4OER8A01	Multimedia Systems	L, E	Electrical Engineering and Computer Science	BAS
4	4OER4O01	Object Oriented Design	E	Electrical Engineering and Computer Science	BAS
5	4OER5A03	Algorithm Design and Analysis	L, E, OFE	Electrical Engineering and Computer Science	BAS
6	4MRZ1A28	Data Visualization	E	Computer Science and Informatics	MAS
7	4MRI1B02	Application of Multiple Valued Logic in Representation and Processing of Digital Signals	L	Computer Science and Informatics	MAS
8	4MRB1B02	Secure Software Design	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Rajković, P., Aleksić, D., Janković, D., Milenković, A., & Petković, I. (2018). Checking the potential shift to perceived usefulness—The analysis of users’ response to the updated electronic health record core features. <i>International Journal of Medical Informatics</i> , 115, 80–91. https://doi.org/10.1016/j.ijmedinf.2018.04.011				
2	Rajković, P., Aleksić, D., Đorđević, A., & Janković, D. (2022). Hybrid Software Deployment Strategy for Complex Industrial Systems. <i>ELECTRONICS</i> , 11(14), 2186–2186. https://doi.org/10.3390/electronics11142186				
3	Rajković, P., Aleksić, D., Janković, D., Milenković, A., & Đorđević, A. (2025). Hybrid deployment strategy for software updates to the manufacturing execution system layer. <i>Computer Science and Information Systems</i> , 00(00), 27–27. https://doi.org/10.2298/CSIS240807027R				
4	Rajković, P., Janković, D. S., Milenković, A., & Kocić, I. (2018). Analysis of the level of use and acceptance of the medical information system in primary health care. <i>Acta Medica Medianae</i> , 57(4), 122–136. https://doi.org/10.5633/amm.2018.0417				
5	Rajkovic, P., Milenković, A., Đorđević, A., & Janković, D. (2024). THE EFFECT OF COVID-19 CRISIS ON CHRONIC DISEASE TRACKING: BRIDGING A DATA GAP. <i>Acta Medica Medianae</i> , 62(4), 98–109. https://doi.org/10.5633/amm.2023.0413				
6	Aleksić, D., Rajković, P., Janković (2017). Product configurators in SME one-of-a-kind production with the dominant variation of the topology in a hybrid manufacturing cloud. <i>The International Journal of Advanced Manufacturing Technology</i> , 92(5-8), 2145-2167. https://doi.org/10.1007/s00170-017-0286-1				
7	Aleksić, D., Rajković, P., Vučković, D., Janković, D., & Milenković, A. (2017). Data summarization method for chronic disease tracking. <i>Journal of Biomedical Informatics</i> , 69, 188–202. https://doi.org/10.1016/j.jbi.2017.04.012				
8	Milenkovic, A., Jankovic, D., & Rajkovic, P. (2020). Extensions and adaptations of existing medical information system in order to reduce social contacts during COVID-19 pandemic. <i>International Journal of Medical Informatics</i> , 141, 104224–104224. https://doi.org/10.1016/j.ijmedinf.2020.104224				
9	Spasić, A., Janković, D., Rajković, P., & Aleksić, D. (2022). Programme-Sensitive Modifications of Generalized Net Model of Software-Intensive Production of Stereoscopic Multimedia Content. <i>JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL</i> , 61(5), 824–842. https://doi.org/10.1134/S1064230722050136				
10	Rajković, P., Vesković M., Aleksić, D., Janković, D. A. (2025). Resource-aware design of an IoT node for use in remote industrial and hazardous areas. <i>Computer Science and Information Systems</i> , 00(00), 26–26. https://doi.org/10.2298/csis240807026r				
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	10	Number of international projects at which the lecturer currently participates	4
Specializations			
ABB Switzerland Ltd, 1.3.2007-1.9.2007 and 15.11.2019-1.12.2020			
Other data considered relevant			

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

Last name, middle letter, first name			Rančić D. Dejan		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Technical Sciences	
Specialization					
Magister	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Electrotechnical Sciences	
Master					
Diploma	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER6A02	Human-Computer Interaction	L	Electrical Engineering and Computer Science	BAS
2	4OER4O01	Object Oriented Design	L	Electrical Engineering and Computer Science	BAS
3	4OER7O02	Computer Graphics	L	Electrical Engineering and Computer Science	BAS
4	4OER6O01	Software Engineering	L, E, OFE	Electrical Engineering and Computer Science	BAS
5	4MRB1B03	Digital Forensics	L	Computer Science and Informatics	MAS
6	4MRZ1A08	Requirements Engineering	L	Computer Science and Informatics	MAS
7	4MRB1B07	Cryptography	L	Computer Science and Informatics	MAS
8	4MRZ1A01	Advanced Software Engineering	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Vasyl Martsenyuk, Georgi Dimitrov, Dejan Rančić, Iveta Dirgova Luptakova, Igor Jovančević, Marcin Bernas, Aleksandra Klos-Witkowska, Tomasz Gancarczyk, Iva Kostadinova, Elizabet Mihaylova, and et al. 2024. "Designing a Competency-Focused Course on Applied AI Based on Advanced System Research on Business Requirements" Applied Sciences 14, no. 10: 4107. https://doi.org/10.3390/app14104107 , M22.				
2	Aleksandar Dimitrijević, Dejan Rančić, "High-Performance Ellipsoidal Clipmaps", Graphical Models, Elsevier Inc., Vol. 130, 101209, December 2023, ISSN: 1524-0703, DOI: 10.1016/j.gmod.2023.101209, https://www.sciencedirect.com/science/article/pii/S1524070323000395 , M23.				
3	Aleksandar Dimitrijević, Aleksandar Milosavljević, Dejan Rančić, "Efficient Distortion Mitigation and Partition Reduction in Mapping Global Geodata: Dual Orthogonal Equidistant Cylindrical Projection Approach", ISPRS International Journal of Geo-Information, Vol. 12, Issue 7, July 2023, 289, ISSN: 2220-9964, DOI:10.3390/ijgi12070289, https://www.mdpi.com/2220-9964/12/7/289 , M22.				
4	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "A Method for Estimating Surveillance Video Georeferences", ISPRS International Journal of Geo-Information, Vol. 6, Issue 7, July 2017, pn. 211, ISSN: 2220-9964, DOI:10.3390/ijgi6070211, http://www.mdpi.com/2220-9964/6/7/211 , M22.				
5	Aleksandar Milosavljević, Dejan Rančić, Aleksandar Dimitrijević, Bratislav Predić, Vladan Mihajlović, "Integration of GIS and video surveillance", International Journal of Geographical Information Science, Vol. 30, Issue 10, 2016, pp 2089-2107, ISSN: 1365-8816 (Print) 1365-8824 (Online), DOI: 10.1080/13658816.2016.1161197, https://www.tandfonline.com/doi/abs/10.1080/13658816.2016.1161197?journalCode=tgis20 , M21.				
6	Gabrijela Dimić, Bratislav Predić, Dejan Rančić, Vera V. Petrović, Nemanja Maček, Petar Spalević, Association analysis of moodle e-tests in blended learning educational environment, Computer Applications in Engineering Education, 26(3), 2017, M21.				
7	Bratislav Predić, Gabrijela Dimić, Dejan Rančić, Perica Štrbac, Nemanja Maček, Petar Spalević, "Improving final grade prediction accuracy in blended learning environment using voting ensembles" Computer Applications in Engineering Education, 26(6), 2018, pp. 2294-2306, M21.				
8	Vladan Borović, Petar Spalević, Petar Čisarc, Dejan Rančić, Srđan Jović, "Supervisory system for physical objects spatial location detection", Physica A: Statistical Mechanics and its Applications, Volume 521, May 2019, pp. 781-795, M22.				
9	Radomir Prodanović, Sohail Sarang, Dejan Rančić, Ivan Vulić, Goran Stojanović, Stevan Stankovski, Gordana Ostojić, Igor Baranovski, Dušan Maksović, "Trustworthy Wireless Sensor Networks for Monitoring Humidity and Moisture Environments", Sensors, vol. 21, no.11, 3636, 2023., DOI: 10.3390/s21113636, M21.				
10	Prodanović, R.,Rančić, D., Vulić, I., Zorić, N., Bogičević, D., Ostojić, G., Sarang, S., Stankovski, S. , Wireless Sensor Network in Agriculture: Model of Cvber Security. Sensors. 2020. 20. 6747. M21.				

Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	462	Number of domestic projects at which the lecturer currently participates	2
Total number of papers on the SCI (SSCI) list	27	Number of international projects at which the lecturer currently participates	1
Specializations			
Study visits at the following universities: Technische Universität München, Germany – within the framework of the bilateral DAAD project “Flood Prediction and Alerting System” in 2016 and 2017. Middlesex University London, United Kingdom (2017); Technical University of Crete, Chania, Greece (2017, 2018); and University of Messina, Italy (2017, 2018) – within the framework of the ERASMUS+ project “Development of Master Curricula for Natural Disasters Risk Management in Western Balkan Countries (NatRisk)”. University of Natural Resources and Life Sciences (BOKU), Vienna, Austria – within the framework of the ERASMUS+ project “Strengthening of Master Curricula in Water Resources Management for the Western Balkans HEIs and Stakeholders (SWARM)”, in 2020. Taras Shevchenko National University of Kyiv, Ukraine – within the framework of the ERASMUS+ Capacity Building in Higher Education project “Innovations for Big Data in a Real World (iBIG World)”, in 2021. University of Montenegro, Podgorica – within the framework of the ERASMUS+ Capacity Building in Higher Education project “The Future is in Applied Artificial Intelligence”, in 2023.			
Other data considered relevant			
Member of international organisations: IEEE, ACM, SIGGRAPH, IASTED			

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

Last name, middle letter, first name			Stanimirović S. Aleksandar		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2024	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2013	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	2000	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER3O02	Databases	L	Electrical Engineering and Computer Science	BAS
2	4OER8A05	Data and Knowledge engineering	L	Electrical Engineering and Computer Science	BAS
3	4OER7A03	Advanced Databases	L	Electrical Engineering and Computer Science	BAS
4	4OER6A03	Database Systems	L, E	Electrical Engineering and Computer Science	BAS
5	4OER6A06	System Programming	L	Electrical Engineering and Computer Science	BAS
6	4MRB2B03	Blockchain Technologies	L	Computer Science and Informatics	MAS
7	4MRZ1A30	Machine Learning	L, E	Computer Science and Informatics	MAS
8	4MRZ1A05	Advanced Operating Systems	L, E	Computer Science and Informatics	MAS
9	4MRZ2A01	Database Management Systems	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	J. Jović, A. Ćorac, A. Stanimirović, M. Nikolić, M. Stojanović, Z. Bukumirić and D. Ignjatović Ristić, "Using machine learning algorithms and techniques for defining the impact of affective temperament types, content search and activities on the internet on the development of problematic internet use in adolescents' population", Frontiers Public Health, 2024, 12. https://doi.org/10.3389/fpubh.2024.1326178				
2	A. Stanimirović, M. Nikolić, J. Jović, D. Ignjatović Ristić, A. Ćorac, L. Stoimenov, Z. Perić, "Applying eXplainable AI Techniques to Interpret Machine Learning Predictive Models for the Analysis of Problematic Internet Use among Adolescents", Elektronika ir Elektrotehnika, ISSN 1392-1215, 2024, 30(2), pp. 63-72, https://doi.org/10.5755/j02.eie.36316				
3	Z. Perić, G. Petković, B. Denić , A. Stanimirović, V. Despotovic, L. Stoimenov, "Gaussian Source Coding using a Simple Switched Quantization Algorithm and Variable Length Codewords", Advances in Electrical and Computer Engineering, 2020, 20(4), pp. 11-18, http://dx.doi.org/10.4316/AECE.2020.04002				
4	A. Stanimirovic, M. Bogdanović, M. Frtunić, L. Stoimenov, "Low-voltage electricity network monitoring system: Design and production experience", International Journal of Distributed Sensor Networks, 2020, 16(1), https://doi.org/10.1177/1550147720903629				
5	Lj. Vračar, M. Stojanović, A. Stanimirović, Z. Prijić, Influence of Encryption Algorithms on Power Consumption in Energy Harvesting Systems, Journal of Sensors, vol. 2019, 2019, https://www.hindawi.com/journals/js/2019/8520562/				
6	L. Stoimenov L., Davidović N., Stanimirović A., Bogdanović M., Nikolić D., Enterprise integration solution for power supply company based on GeoNis interoperability framework, Data & Knowledge Engineering, https://doi.org/10.1016/j.datak.2015.10.001				
7	M. Bogdanović, A. Stanimirović, L. Stoimenov, "Methodology for geospatial data source discovery in ontology-driven geo-information integration architectures", Web Semantics: Science, Services and Agents on the World Wide Web, 2015, 32:1–15, DOI: 10.1016/j.websem.2015.01.002, http://www.sciencedirect.com/science/article/pii/S15708268150000375 .				
8	M. Bogdanović, A. Stanimirović, L. Stoimenov, An approach for the development of context-driven web map solutions based on interoperable GIS platform, Computer Science and Information Systems 2015 Vol. 12, No. 3, pp. 1055-1078, https://doi.org/10.2298/CSIS141031010B				
9	A. Stanimirović, M. Bogdanović , L. Stoimenov, "Methodology and intermediate layer for the automatic creation of ontology instances stored in relational databases", Software: Practice and Experience, 2013, 43: 129–152, DOI: 10.1002/spe.2103 (Impact Factor: 1.008)				

10	M. Bogdanović, A. Stanimirović, L. Stoimenov, "Ginis MvcGen – the missing link between GIServices and Web GIS framework", TTEM - Technics Technologies Education Management, Vol. 6, No:3, pp. 682-691, ISSN:1840-1503, 2011 (Impact Factor: 0.256)		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	75	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			
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			Stoimenov V. Leonid		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2014	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2003	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1992	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER3O02	Databases	L	Electrical Engineering and Computer Science	BAS
2	4OER7O01	Artificial Intelligence	L	Electrical Engineering and Computer Science	BAS
3	4OER8A05	Data and Knowledge engineering	L	Electrical Engineering and Computer Science	BAS
4	4OER6A08	Advanced Data Structures	L	Electrical Engineering and Computer Science	BAS
5	4OER6A03	Database Systems	L	Electrical Engineering and Computer Science	BAS
6	4OER4O02	Data Structures	L	Electrical Engineering and Computer Science	BAS
7	4OEK4A02	Data Structures and Algorithms	L	Electrical Engineering and Computer Science	BAS
8	4MRZ1A02	Intelligent Systems	L	Computer Science and Informatics	MAS
9	4MRZ1A06	Interoperability and Information Integration	L	Computer Science and Informatics	MAS
10	4MRI2B04	Information Technologies for Development of E-Government Systems	L	Computer Science and Informatics	MAS
11	4MRZ1A30	Machine Learning	L	Computer Science and Informatics	MAS
12	4MRZ2A01	Database Management Systems	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Bogdanović, Miloš; Frtunić Gligorijević, Milena; Kocić, Jelena; Stoimenov, Leonid; An Analysis of the Training Data Impact for Domain-Adapted Tokenizer Performances—The Case of Serbian Legal Domain Adaptation, Applied Sciences, 15, 13, 7491, 2025.				
2	Predić, Bratislav; Ćirić, Milica; Stoimenov, Leonid; Business purchase prediction based on XAI and LSTM neural networks, Electronics, 12, 21, 4510, 2023				
3	Štufi, Martin; Panajotović, Aleksandra; Stoimenov, Leonid; Designing distributed controlling testbed system for supply chain and logistics in automotive industry, Facta Universitatis, Series: Automatic Control and Robotics, 1, 3, 147-157, 2022				
4	Milena Frtunić Gligorijević, Miloš Bogdanović, Nataša Veljković, Leonid Stoimenov, 2021, "Open data categorization based on formal concept analysis", IEEE Transactions on Emerging Topics in Computing, Volume: 9, Issue:2				
5	Atanasovski, Blagoj; Bogdanovic, Milos; Velinov, Goran; Stoimenov, Leonid; Dimovski, Aleksandar S; Koteska, Bojana; Jankovic, Dragan; Skrceska, Irena; Kon-Popovska, Margita; Jakimovski, Boro; On defining a model driven architecture for an enterprise e-health system, Enterprise information systems, Taylor & Francis, Vol.12				
6	Stoimenov, L.; Davidović, N. Stanimirovic, A., Bogdanović, M., Nikolic, D. "Enterprise integration solution for power supply company based on GeoNis interoperability framework", Data and Knowledge Engineering, Elsevier, 2016				
7	Stoimenov, L.; Bogdanović, Miloš; Bogdanović-Dinić, Sanja. 2013. "ESB-Based Sensor Web Integration for the Prediction of Electric Power Supply System Vulnerability." Sensors, Vol. 13, No. 8: 10623-10658, August 2013				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	579	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	28	Number of international projects at which the lecturer currently participates			2
Specializations					

Other data considered relevant
CG&GISLab representative in AGILE association of GIS laboratories in Europe IEEE member Member of several committees for developing strategies at the level of the Republic of Serbia (Artificial Intelligence, ICT Development in Serbia)

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

Last name, middle letter, first name			Stojanović H. 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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2015	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2004	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	1998	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1993	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER7A04	Software Architecture and Design	L	Electrical Engineering and Computer Science	BAS
2	4OER8A03	Internet of Things and Services	L	Electrical Engineering and Computer Science	BAS
3	4OER5O01	Operating Systems	L, E	Electrical Engineering and Computer Science	BAS
4	4OER6A05	Mobile Application and Service Development	L	Electrical Engineering and Computer Science	BAS
5	4OER8O03	Computer Science Seminar	L	Electrical Engineering and Computer Science	BAS
6	4MRZ1A03	Geospatial Information Systems	L	Computer Science and Informatics	MAS
7	4MRZ1A05	Advanced Operating Systems	L	Computer Science and Informatics	MAS
8	4MRZ2A02	Ubiquitous Computing	L	Computer Science and Informatics	MAS
9	4MRZ1A25	Big Data Systems	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Stojanović, D., Sentić, S., Stojanović, N., Stamenković, T.: Resource-Aware Object Detection and Recognition Using Edge AI Across the Edge-Fog Computing Continuum. Computer Science and Information Systems, Vol. 22, No. 2, 623-648. (2025), https://doi.org/10.2298/CSIS240503020S				
2	Vasyl Martsenyuk, Georgi Dimitrov, Dejan Rancic, Iveta Dirgova Luptakova, Igor Jovancevic, Marcin Bernas, Aleksandra Klos-Witkowska, Tomasz Gancarczyk, Iva Kostadinova, Elizabet Mihaylova, and et al. 2024. "Designing a Competency-Focused Course on Applied AI Based on Advanced System Research on Business Requirements" Applied Sciences 14, no. 10: 4107. https://doi.org/10.3390/app14104107				
3	Milica Ćirić, Bratislav Predić, Dragan Stojanović, and Ivan Ćirić. "Single and Multiple Separate LSTM Neural Networks for Multiple Output Feature Purchase Prediction" Electronics 12, no. 12: 2616. 2023. https://doi.org/10.3390/electronics12122616				
4	Emir Ugljanin, Dragan Stojanović, Ejub Kajan, Zakaria Maamar, B2S4B: A Platform for Smart City Business Processes Management and Adaptation, Studies in Informatics and Control, ISSN 1220-1766, vol. 31(3), pp. 75-86, 2022. https://doi.org/10.24846/v31i3y202207				
5	Stojanovic, N.; Stojanovic, D. Parallelizing Multiple Flow Accumulation Algorithm using CUDA and OpenACC. ISPRS International Journal of Geo-Information, Special issue: Distributed and Parallel Architectures for Spatial Data, 2019, Volume 8, Issue 9, 386, DOI: 10.3390/ijgi8090386 URL: https://www.mdpi.com/2220-9964/8/9/386/pdf M22, IF2018=1.840 doi: 10.3390/ijgi8090386				
6	Marko Milojkovic, Dragan Stojanovic, Natalija Stojanović, Aleksandra Klos-Witkowska, et al., „Research of Big Data Needs and Expectations of IT Graduates Masters and IT Alumni in Information Systems and Technologies“, In book: INNOVATIONS FOR BIG DATA IN A REAL WORLD, Publisher: Wydawnictwo Naukowe Akademii Techniczno-Humanistycznej w Bielsku-Białej, December 2022. DOI: 10.53052/9788367652018.06				
7	S. Vitabile, M. Marks, D. Stojanovic, S. Pllana, J. M. Molina, M. Krzyszton, A. Sikora, A. Jarynowski, F. Hosseinpour, A. Jakobik, A. Stojnev Ilic, A. Respicio, D. Moldovan, C. Pop, I. Salomie, “Medical Data Processing and Analysis for Remote Health and Activities Monitoring”, in High-Performance Modelling and Simulation for Big Data Applications, Editors: J. Kolodziej and H. Gonzalez-Velez, LNCS 11400, pp. 186–220, 2019. ISBN 978-3-030-16272-6 https://www.springer.com/gp/book/9783030162719 doi: 10.1007/978-3-030-16272-6 7				
8	Dragan Stojanović, Dušan Jovanović, Natalija Stojanović, “Big Medical Data Analytics Using Apache Spark Framework”, IcETRAN 2024, 3-6 June 2024. DOI: 10.1109/IcETRAN62308.2024.10645083				

9	Dragan Stojanović, Stefan Sentić, Natalija Stojanović, “Towards Resource-Efficient DNN Deployment for Traffic Object Recognition: From Edge to Fog”, In: Zeinalipour, D., et al. Euro-Par 2023: Parallel Processing Workshops. Euro-Par 2023. Lecture Notes in Computer Science, vol 14352 pp 30–39 . Springer, Cham. https://doi.org/10.1007/978-3-031-48803-0_3		
10	Natalija M. Stojanović, Dragan H. Stojanović, „Big mobility data analytics for traffic monitoring and control“, Scientific Journal Facta Universitatis Series: Automatic Control and Robotics Vol. 19, No 2, 2020, pp. 87-102. DOI: 10.22190/FUACR2002087S , ISSN 1820-6417		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	552	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	15	Number of international projects at which the lecturer currently participates	1
Specializations			
Barcelona Supercomputing Center (BSC), High Performance Artificial Intelligence group, SoBigData++ project - Horizon 2020, 15 April - 5 May 2024. Topic: Big Data Analytics for Smart Urban Mobility.			
Graz University of Technology, Institute of Interactive Systems and Data Science, Austria, Erasmus+ Staff Mobility - 6-10 Mach 2023. Topics: Architecture of Big Data Systems, Edge Intelligence			
Knowledge Discovery and Data Mining Lab, CNR Pisa, Italy, 7-20 July 2019. Topic: Big mobility and IoT data stream processing and analytics in Smart cities – Project: H2020 SoBigData research grant			
NOVA Laboratory for Computer Science and Informatics (NOVA LINCS) - University NOVA de Lisboa, Portugal – 22-28 April 2018 – Topic: Mobile Crowd-Sensing and Big Data Analytics for Smart Urban Mobility – Erasmus+ visiting scholar			
Computer Science Department, University of Granada, Spain, septembar 2011 - Moving object management for location-based and context-aware services, University grant			
Intelligent Analysis and Information Systems - IAIS - Fraunhofer Institute, Germany Topic: Research and development in the field of Internet-based visual exploration and analytics of spatio-temporal data and spatio-temporal data mining. November 1999 - March 2000 - DAAD Research Award			
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			Stojanović M. Natalija		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2020	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2009	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	2003	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1999	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER8O01	Distributed Systems	L	Electrical Engineering and Computer Science	BAS
2	4OER8A03	Internet of Things and Services	L	Electrical Engineering and Computer Science	BAS
3	4OER6O02	Parallel Computing systems	E	Electrical Engineering and Computer Science	BAS
4	4OER8O03	Computer Science Seminar	L, OFE	Electrical Engineering and Computer Science	BAS
5	4OEZ1O04	Introduction to Computing	L	Electrical Engineering and Computer Science	BAS
6	4MRB1B08	High-performance Computing	L, E	Computer Science and Informatics	MAS
7	4MRB1B04	Cloud Computing	L, E	Computer Science and Informatics	MAS
8	4MRZ1A25	Big Data Systems	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Stojanović, D., Sentić, S., Stojanović, N., Stamenković, T.: Resource-Aware Object Detection and Recognition Using Edge AI Across the Edge-Fog Computing Continuum. Computer Science and Information Systems, Vol. 22, No. 2, 623-648. (2025), https://doi.org/10.2298/CSIS240503020S , M22.				
2	Natalija Stojanović, Dragan Stojanović,,Accelerating Multiple Flow Accumulation Algorithm using MPI on a Cluster of Computers.“, Studies in Informatics and Control, National Institute for R&D in Informatics, ISSN 1220-1766, vol. 29(3), pp. 307-316, 2020. https://doi.org/10.24846/v29i3y202004 , M22				
3	Natalija Stojanovic, Dragan Stojanovic, „Parallelizing Multiple Flow Accumulation Algorithm using CUDA and OpenACC“ ISPRS Int. J. Geo-Inf. 2019, Special Issue Distributed and Parallel Architectures for Spatial Data, 8(9), 386. https://doi.org/10.3390/ijgi8090386 , M22.				
4	Natalija Stojanović, Emina Milovanović „Teaching Introductory Parallel Computing Course with Hands-On Experience“, International Journal of Engineering Education, Dublin Institute of Technology, Tempus Publications, Vol. 31, No. 5, 2015, pp. 1343-1351. ISSN 0949-149X, https://www.ijee.ie/latestissues/Vol31-5/17_ijee3078ns.pdf , M23				
5	Natalija Stojanović, Dragan Stojanović, „A Hybrid MPI+OpenMP Application for Processing Big Trajectory Data“, Studies in Informatics and Control, National Institute for R&D in Informatics, Vol. 24, No. 2, June 2015, pp. 229-236. ISSN 1220-1766, http://sic.ici.ro/?page_id=2948 , M23.				
6	"Natalija Stojanović, Dragan Stojanović, „High-Performance Processing and Analysis of Geospatial Data Using CUDA on GPU“, Advances in Electrical and Computer Engineering, Stefan cel Mare University of Suceava, Vol. 14, No. 4, 2014, pp. 109-114. ISSN: 1582-7445, DOI: 10.4316/AECE.2014.04017. M23, IF2013=0.642 http://www.aece.ro/abstractplus.php?year=2014&number=4&article=17 "				
7	Marko Milojkovic, Dragan Stojanovic, Natalija Stojanović, Aleksandra Kłos-Witkowska, et al., „Research of Big Data Needs and Expectations of IT Graduates Masters and IT Alumni in Information Systems and Technologies“, In book: INNOVATIONS FOR BIG DATA IN A REAL WORLD, Publisher: Wydawnictwo Naukowe Akademii Techniczno-Humanistycznej w Bielsku-Białej, December 2022. DOI: 10.53052/9788367652018.06, M13.				
8	S. Spolaor, M. Gribaudo, M. Iacono, T. Kadavy, Z. Oplatková, G. Mauri, S.Pllana, R. Senkerik, N. Stojanovic, E. Turunen, A. Viktorin, S. Vitabile, A.Zamuda, M. Nobile. “Towards Human Cell Simulation“, in High-Performance Modelling and Simulation for Big Data Applications, Editors: J. Kolodziej and H. Gonzalez-Velez, LNCS 11400, pp. 186–220, 2019. ISBN 978-3-030-16272-6 https://www.springer.com/gp/book/9783030162719 , doi : 10.1007/978-3-030-16272-6 8.- M13				

9	Dragan Stojanović, Stefan Sentić, Natalija Stojanović, “Towards Resource-Efficient DNN Deployment for Traffic Object Recognition: From Edge to Fog”, In: Zeinalipour, D., et al. Euro-Par 2023: Parallel Processing Workshops. Euro-Par 2023. Lecture Notes in Computer Science, vol 14352 pp 30–39 . Springer, Cham. https://doi.org/10.1007/978-3-031-48803-0_3		
10	Ćirić, V. M., Cvetković, D., Gavrilović, N., Stojanović, N., Milentijević, I. (2021). "Input splits design techniques for network intrusion detection on Hadoop cluster", Facta Universitatis, Series: Electronics and Energetics, 34(2), 239-257.		
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer			
Total number of citations	99	Number of domestic projects at which the lecturer currently participates	1
Total number of papers on the SCI (SSCI) list	8	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			Stojković R. Suzana		
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			Computing and Informatics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2022	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
PhD	2009	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Specialization					
Magister	1996	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Master					
Diploma	1990	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
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	4OEU3O04	Fundamentals of Object Oriented Programming	L	Electrical Engineering and Computer Science	BAS
2	4OER8A07	Information Retrieval	L	Electrical Engineering and Computer Science	BAS
3	4OER7O03	Compilers	L	Electrical Engineering and Computer Science	BAS
4	4OER4O03	Programming Languages	L	Electrical Engineering and Computer Science	BAS
5	4MRZ1A26	Web Mining	L	Computer Science and Informatics	MAS
6	4MRP2B01	Natural Language Processing	L	Computer Science and Informatics	MAS
7	4MRZ1A24	Data Mining Techniques and Methods	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Ivica Marković, Suzana Stojković, “4-valued Spectral Transforms Implementation on GPU with Tensor Cores”, The Journal of Supercomputing, Vol. 79, No. 1, 2023. pp. 51-74, doi: https://doi.org/10.1007/s11227-022-04651-9				
2	Suzana Stojković, Nemanja Popović, Ivica Marković, “Improvement of Information Retrieval Systems by Using Hidden Vertical Search”, Computing and Informatics, Vol. 40, No. 5, 2021, pp. 1008-1024, doi: https://doi.org/10.1142/S0218126620500796				
3	Suzana Stojković, Milena Stanković, Claudio Moraga, Radomir Stanković: “Reversible Circuits Synthesis from Functional Decision Diagrams by using Node Dependency Matrices”, Journal of Circuits, Systems and Computers, Vol. 29, No. 5, 2020, 2050079, doi: https://doi.org/10.1142/S0218126620500796				
4	Claudio Moraga, Milena Stanković, Radomir S. Stanković, Suzana Stojković: “On Bent and Hyper-bent Multiple-valued Functions”, Journal of Multiple-Valued Logic and Soft Computing, publisher: OCP Science, Vol. 29, No. 3-4, 2017, pp 327-354				
5	Suzana Stojković, Milena Stanković, Claudio Moraga, Radomir Stanković, “Procedure for FDD-based reversible synthesis by levels”, in Further Improvements on Boolean domain, Cambridge Scholars Publishing, pp. 355-371, 2018.				
6	Suzana Stojković, Darko Veličković, Claudio Moraga: „Genetic algorithm for binary and functional decision diagram optimization“, FACTA UNIVERSITATIS, Series Electronics and Energetics, publisher: University of Nis, Vol. 31, No. 2, pp. 169-188, 2018, doi: https://doi.org/10.2298/FUEE1802169S				
7	Nikola Djordjević, Suzana Stojković, "Comparative Analysis of Traditional and Large Language Models for Sentiment Analysis in the Serbian Language", Disruptive information technologies for a smart society: proceedings of the 13th International Conference on Information Society and Technology (ICIST), Kopaonik, Serbia, 2024, pp. 279-288, doi: 10.1007/978-3-031-71419-1_24				
8	Mina Nikolić, Aleksandar Stanimirović, Suzana Stojković, “The Experimental Evaluation of Different Explainable AI Techniques for Large Language Models”, Disruptive information technologies for a smart society: proceedings of the 13th International Conference on Information Society and Technology (ICIST), Kopaonik, Serbia, 2024, pp. 299-310, doi: 10.1007/978-3-031-71419-1_26				
9	Nikola Djordjević, Suzana Stojković, “Traditional and parameter-efficient fine-tuning of LLMs for sentiment analysis in the English and Serbian language”, Proceedings of 11th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Niš, Serbia, 2024, pp. 1-4, doi: 10.1109/IcETRAN62308.2024.10735424				
10	Aleksandar Cenić, Matin Jovanović, Suzana Stojković, "The Serbian Retrieval Augmented Generation System based on Hybrid Search", Proceedings of 2024 International Conference Automatics and Informatics (ICAI), Varna, Bulgaria, 2024, pp. 420-424, doi: 10.1109/icai63388.2024.10851665				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations		73	Number of domestic projects at which the lecturer currently participates		1

Total number of papers on the SCI (SSCI) list	10	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			Tošić B. Milorad		
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			Computing and Informatics		
Academic career					
	Year	Institution		Scientific field	Specific scientific field
Election	2013	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
PhD	1998	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Specialization					
Magister	1993	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
Master					
Diploma	1989	University of Niš, Faculty of Electronic Engineering		Electrical and Computer Engineering	Computing and Informatics
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	4OER8A02	Information Technologies and Systems	L	Electrical Engineering and Computer Science	BAS
2	4OER5O03	Information Systems	L	Electrical Engineering and Computer Science	BAS
3	4MRB1B06	System Administration	L, E	Computer Science and Informatics	MAS
4	4MRP2B02	Social Networks Analysis	L	Computer Science and Informatics	MAS
5	4MRB1B05	Virtualization	L, E	Computer Science and Informatics	MAS
6	4MRI2B03	Intelligent Information Systems	L	Computer Science and Informatics	MAS
7	4MRI2B06	Artificial Intelligence Applications in Information Systems	L	Computer Science and Informatics	MAS
8	4MRI1B03	Semantic Web	L	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Radovic Maja M,Petrovic Nenad N,Tosic Milorad (2022) An Ontology-Driven Learning Assessment Using the Script Concordance Test, APPLIED SCIENCES-BASEL, vol. 12, br. 3, str. - (Article)				
2	Nejkovic Valentina M,Jelenkovic Filip,Makris Nikos,Passas Virgilios,Korakis Thanasis,Tosic Milorad (2021) Semantic Coordination on the Edge of Heterogeneous Ultra Dense Networks, JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT, vol. 29, br. 2, str. - (Article)				
3	Nejkovic Valentina M,Petrovic Nenad N,Tosic Milorad,Milosevic Nenad DU (2020) Semantic approach to RIoT autonomous robots mission coordination, ROBOTICS AND AUTONOMOUS SYSTEMS, vol. 126, br. , str. - (Article)				
4	Petrovic Nenad N,Tosic Milorad (2020) SMADA-Fog: Semantic model driven approach to deployment and adaptivity in fog computing, SIMULATION MODELLING PRACTICE AND THEORY, vol. 101, br. , str. - (Article)				
5	Jelenkovic Filip,Tosic Milorad,Nejkovic Valentina (2018) Semantic driven code generation for networking testbed experimentation, ENTERPRISE INFORMATION SYSTEMS, vol. 12, br. 8-9, str. 1083-1099 (Article)				
6	Nejkovic Valentina ,Tosic Milorad (2018) Exploring factors for effective use of online information in SPOC within the engineering education, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol. 26, br. 5, str. 1457-1469 (Article)				
7	G.Djordjevic, M.Tosic, “A compile time scheduling heuristic for multiprocessor architectures,” Computer Journal, Vol.39, No.8, 1996, pp.663-674.				
8	G.Djordjevic, M.Tosic, “A heuristic for scheduling task graphs with communication delays onto multiprocessors”, Parallel Computing, 22 (1996), pp.1197-1214.				
9	M.Tosic, M.K.Stojcev, “Pipelined serial-parallel multiplier with contraflowing data streams,” Electronic Letters, Vol.27, No.25, December 1991, pp.2361-2363.				
10	M.Tosic, M.K.Stojcev. D.M.Maksimovic, G.Lj.Djordjevic, “The asynchronous counterflow pipeline bit-serial multiplier”, Journal of Systems Architecture – The Euromicro Journal, 44(12):985 1004, Dec. 1998.				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations	240	Number of domestic projects at which the lecturer currently participates			1
Total number of papers on the SCI (SSCI) list	16	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			Vučković V. Vladan		
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			Computing and Informatics		
Academic career					
	Year	Institution	Scientific field	Specific scientific field	
Election	2017	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
PhD	2006	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Specialization					
Magister	1997	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
Master					
Diploma	1994	University of Niš, Faculty of Electronic Engineering	Electrical and Computer Engineering	Computing and Informatics	
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	4OER7A02	Information Security	L	Electrical Engineering and Computer Science	BAS
2	4OER8A06	Machine Intelligence in Logic Games	L	Electrical Engineering and Computer Science	BAS
3	4OER5A01	Introduction to the Theory of Games	L, E	Electrical Engineering and Computer Science	BAS
4	4MRI1B01	Computer Simulation	L, E	Computer Science and Informatics	MAS
5	4MRB1B07	Cryptography	L	Computer Science and Informatics	MAS
6	4MRI1B04	Methods and Techniques of the Image Processing	L	Computer Science and Informatics	MAS
7	4MRI2B02	Advanced Techniques in 3D Modeling and Animation	L, E	Computer Science and Informatics	MAS
8	4MRZ1A27	Pattern Recognition	L, E	Computer Science and Informatics	MAS
Representative references (at minimum 5, not more than 10)					
1	Vučković, Vladan & Arizanović, Boban & Le Blond, Simon. (2019). "Generalized N-way iterative scanline fill algorithm for real-time applications." Journal of Real-Time Image Processing. Springer. 16(6), pp. 2213-2231, DOI: 10.1007/s11554-017-0732-1. (SCIE) (M22)				
2	Vučković, Vladan & Arizanović, Boban & Le Blond, Simon. (2017). Ultra-Fast Basic Geometrical Transformations on Linear Image Data Structure. Expert Systems with Applications. Elsevier. DOI: 91. 10.1016/j.eswa.2017.09.011. (SCIE) (M21a+)				
3	Vuckovic, V. , Arizanovic, B. "Efficient character segmentation approach for machine-typed documents", Expert Systems with Applications, [doi: 10.1016/j.eswa.2017.03.027], Elsevier, Volume 80, 1 September 2017, Pages 210–231, (2017), ISSN: 0957-4174 (SCIE) (M21a+)				
4	Vuckovic Vladan, Mitic Vojislav, Kocic Ljubisa, Arizanovic Boban, Paunovic Vesna, Nikolic Ruza, "Tesla's Fountain, Modeling and Simulation in Ceramics Technology", Journal of the European Ceramic Society, vol 38, no. 8 (2018). pp. 3049-3056, DOI: 10.1016/j.jeurceramsoc.2018.01.041 (SCI) (M21a+)				
5	Vladan Vuckovic, Aleksandar Stanisic, Nikola Simic, "Computer simulation and VR model of the Tesla's Wardencliff laboratory", Digital Applications in Archaeology and Cultural Heritage, Elsevier, vol. 7, pp. 42-50, (2017). DOI: 10.1016/j.daach.2017.11.001. (M22)				
6	Vuckovic Vladan, Mitic Vojislav, Kocic Ljubisa, Nikolic Vlastimir, "The fractal nature approach in ceramics materials and discrete field simulation", Science of Sintering, 50(3):371-385 (2018) DOI: 10.2298/SOS1803371V (SCIE) (M22)				
7	Vuckovic Vladan, Simon Le Blond "Universal Microprocessor Controlled Power Regulator With And Without Additional Power Supply", Facta universitatis - series: Electronics and Energetics. (2019) Vol 33. No 1. pp. 83-104 DOI: 10.2298/FUEE2001083V (M23)				
8	Arizanovic, Boban & Vuckovic, Vladan. "Efficient image compression and decompression algorithms for OCR systems", Facta universitatis - series: Electronics and Energetics. Vol.31. pp. 461-485. DOI: 10.2298/FUEE1803461A. (2018). (M24)				
9	Vuckovic, Vladan & Arizanovic, Boban. "Automatic optimized document skew pre-processor for character segmentation algorithm". Facta universitatis - series: Electronics and Energetics. (ISSN 0353-3670) (2017) DOI: 30. 611-625. 10.2298/FUEE1704611V. (M24)				
10	Vladan Vučković, Sanja Spasić "3-D STEREOSCOPIC MODELING OF THE TESLA'S LONG ISLAND" The Scientific Journal Facta Universitatis, Series Electronic and Energetics, no. 1,vol. 29, http://casopisi.junis.ni.ac.rs/index.php/FUElectEnerg , pp. 113-126 University of Nis, Serbia, 2016, (DOI 10.2298/FUEE1601113V) (ISSN 0353-3670) (M24)				
Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer					
Total number of citations		78	Number of domestic projects at which the lecturer currently participates		1

Total number of papers on the SCI (SSCI) list	11	Number of international projects at which the lecturer currently participates	1
Specializations			
Other data considered relevant			
Vladan Vučković, “3-D Modeling and Simulation of the Original Patents of Nikola Tesla” (Invited Lectures). Fakultat für Elektrotechnik und Informationstechnik, Ilmenau, Germany, First lecture on 25.10.2011., Doctoral Seminar, N2010, (auth. Dr Hartmut Brauer) schedule at: http://www.tu-ilmenau.de/lorentz-force/rtg-calendar/, Second lecture on TFT section, on 28.10.2011. (auth. Prof. Dr Hannes Tofer). (M31) Tesla prize 2011 Pupin prize 1995			