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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Aleksić M. Sanja | | |
| **Title** | | | Associate professor | | |
| **The name of the institution in which the lecturer works full or part time and since when** | | | University of Niš, Faculty of Electronic Engineering | | |
| **Specific scientific field** | | | Microelectronics and Microsystems | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2023 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Microelectronics and Microsystems |
| PhD | 2015 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Microelectronics and Microsystems |
| Specialization | | | | | |
| Magister | 2009 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Applied Physics |
| Master | | | | | |
| Diploma | 1995 | University of Niš, Faculty of Philosophy | | Physical Sciences | Physics |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEM8A01 | Nanotechnology | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEM5A01 | Renewable Energy | L, E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEM4A03 | Fundamentals of Quantum and Statistical Physics | E | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEM7A01 | Photovoltaic devices and systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4MEK1A15 | Energy, Environment and Sustainable Development | L, E | Electron Devices and Microsystems | MAS |
| 6 | 4MEK1A04 | Laser Electronics | L | Electron Devices and Microsystems | MAS |
| 7 | 4MEK1A09 | Basics of Photovoltaic conversion | L | Electron Devices and Microsystems | MAS |
| 8 | 4MEK1A14 | Energy storage systems in modern propulsion units | L | Electron Devices and Microsystems | MAS |
| 9 | 4MKS1A10 | Techno-economic and ecological aspects of communication systems | L | Communications and Information Technologies | MAS |
| 10 | 4MEK2A03 | Technologies of Organic Semiconductor Materials and Devices | L, E | Electron Devices and Microsystems | MAS |
| 11 | 4MEK1A10 | Photovoltaic technologies and devices | L | Electron Devices and Microsystems | MAS |
| 12 | 4MEK2A05 | Photovoltaic Systems | L | Electron Devices and Microsystems | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Sanja Aleksić, Dragana Markušev, Dragan Pantić, Mihajlo Rabasović, Dragan Markušev, Dragan Todorović, „Electro-acustic influence of the measuring system on the photoacoustic signal amplitude and phase in frequency domain", Facta universitatis - series Physics Chemistry and Technology 14(1):9-20, January 2016 |
| 2 | Sanja Aleksić, Aleksandar Pantić, Dragan Pantić, "High electric field stress model of n-channel VDMOSFET based on artificial neural network", Journal of Computational Electronics, pp. 1-10, April 2018. |
| 3 | Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Jose Ordonez-Miranda, „Effects of the photogenerated excess carriers on the thermal and elastic properties of n-type silicon excited with a modulated light source: Theoretical analysis", Journal of Applied Physics 126(18), November 2019. |
| 4 | Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, D. M. Todorović, Jose Ordonez-Miranda, „Experimental Photoacoustic observation of the Photogenerated Excess Carrier Influence on the Thermoelastic Response of n-type Silicon", Journal of Applied Physics, vol. 128, no. 9, September 2020. |
| 5 | Dragana Markušev, Dragan Markušev, Sanja Aleksić, Dragan Pantić, Slobodanka Galović, Dragan Lukić, Jose Ordonez-Miranda, „Enhancement of the Thermoelastic Component of the Photoacoustic Signal of Silicon Membranes Coated with a Thin TiO2 Film", Journal of Applied Physics, vol. 131, no. 8, 2022. |
| 6 | N. Stanojevic, D. K. Markushev, S.M. Aleksić, D.S. Pantić, S.P. Galović, D. D. Markushev, J. Ordonez-Miranda, "Thermal characterization of n-type silicon based on an electro-acoustic analogy", Journal of Applied Physics, 133, 245102 (2023). |
| 7 | D. K. Markushev, N. Brankovic, S. Aleksic, D. Pantic, S. Galovic, D. D. Markushev, J. Ordonez-Miranda, "The Influence of Excess Free Carriers as Heat Carriers on the n-Type Silicon Thermoelastic Photoacoustic Responses Explained by Electro-Acoustic Analogies", International Journal of Thermophysics, 45(107), August 2024. |
| 8 | D. K. Markushev, N. Brankovic, S. Galovic, K. Djordjevic, S. Aleksic, D. Pantic, D. D. Markushev, "The cut-off frequency – a key concept in the heat flow measurements based on the thermoelastic photoacoustic response", Measurement, 248(2):116902, May 2025. |

| | |
|---|---|
| 9 | Ivan Zlatković, Aleksandra Stanković, Rade Nikolov, Branislav Brindić, Dragan Pantić, „Microchannel Plate (MCP)”, 54th International Scientific Conference on Information, Communication and Energy System and Technology (ICEST), Ohrid, June 2019. |
| 10 | Neda Stanojević, Aleksandar Pantić, Filip Filipović, Bojan Banković, Sanja Aleksić, Milutin Petronijević, Dragan Pantić, “CAD Analysis of Grid-on Photovoltaic Power Plant Design and Cost-effectiveness”, 15th International Conference on Advanced Technologies, Systems and Services in Telecomunications (TELSIKS), October 2021. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 69 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 9 | Number of international projects at which the lecturer currently participates | 0 |

**Specializations**

**Other data considered relevant**

Solar Components: Solved Problems and Exercises, S. Aleksić, A. Pantić, N. Stanojević, A. Petković, D. Pantić, Faculty of Electronic Engineering, 2023. ISBN: 978-86-6125-263-1

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Ćirić G. 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** | | | Telecommunications | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2017 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| PhD | 2006 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Specialization | 2003 | Aalborg University, Faculty of Engineering and Science, Denmark | | Electrical and Computer Engineering | Telecommunications |
| Magister | 2000 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Master | | | | | |
| Diploma | 1994 | 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 | 4OEE5O05 | Acoustics | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK7C03 | Audio and Video Systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEE7D01 | Audio Production | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK6B03 | Speech Communications | L, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK4O02 | Communication Acoustics | L, OFE | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK6A02 | Machine Learning 1 | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK5A02 | Programming on development platforms | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK8O02 | Contemporary Laboratory | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKK1B02 | Intelligent Audio Algorithms | L, E | Communications and Information Technologies | MAS |
| 10 | 4MKK1O01 | Principles of Software Radio | L | Communications and Information Technologies | MAS |
| 11 | 4MKK1C03 | Speech Synthesis and Recognition | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Andrej Hvastja, Dejan Ćirić, Marko Milivojčević, Jurij Prezelj, “Assessing air and noise pollution through acoustic classification of vehicles fuel types using deep learning”, Heliyon, Vol. 11, No. 10, paper e43426, 2025, Publisher: Elsevier, ISSN 2405-8440, DOI: 10.1016/j.heliyon.2025.e43426, M22 category. |
| 2 | Jure Murovec, Jurij Prezelj, Dejan G. Ćirić, Marko Milivojčević, “Zero-crossing signature: a time-domain method applied to diesel and gasoline vehicle classification”, IEEE Sensors Journal, Vol. 25, No. 3, pp. 5128-5138, 2025, ISSN: 1530-437X, DOI: 10.1109/JSEN.2024.3516876, M21 category. |
| 3 | Marko Milivojčević, Dejan Ćirić, Jurij Prezelj, Jure Murovec, “Analysis of unsupervised learning approach for classification of vehicle fuel type using psychoacoustic features”, Measurement, Vol. 227, paper114318, 17 pages, 2024, Publisher: Elsevier, ISSN: 0263-2241, DOI: 10.1016/j.measurement.2024.114318, M21a category. |
| 4 | Dejan G. Ćirić, Zoran H. Perić, Nikola J. Vučić, Miljan P. Miletić, “Analysis of industrial product sound by applying image similarity measures”, Mathematics, Vol. 11, p. 498 (27 pages), 2023, Publisher: MDPI, ISSN: 227-7390, DOI: 10.3390/math11030498, M21a category. |
| 5 | Dejan G. Ćirić, Zoran H. Perić, Marko Milenković, Nikola Vučić, “Evaluating similarity of spectrogram-like images of DC motor sounds by Pearson correlation coefficient”, Elektronika ir Elektrotechnika, Vol. 28, No. 3, pp. 37-44, 2022, Publisher: Kaunas University of Technology (Kauno Technologijos Universitetas), ISSN: 1392-1215 (Print), DOI: 10.5755/j02.eie.31041, M23 category. |
| 6 | Marko Milivojčević, Emilija Kisić, Dejan Ćirić, “Analysis of portable system for sound acquisition of vehicles powered by internal combustion engines”, Facta Universitatis: Series Electronics and Energetics, Vol. 36, No. 2, pp. 299-314, 2022, Publisher: University of Niš, Serbia, ISSN: 0353-3670 (Print), DOI: 10.2298/FUEE2302299M, M23 category. |

| | |
|---|---|
| 7 | Đorđe Damnjanović, Dejan G. Ćirić, Bratislav Predić, “De-noising of room impulse response by applying wavelets”, Acta Acustica united with Acustica, Vol. 104, No. 3, pp. 452-463, 2018, Publisher: S. Hirzel Verlag, European Acoustics Association, ISSN: 1610-1928 (Print), DOI: 10.3813/AAA.919187, M23 category. |
| 8 | Dejan G. Ćirić, Marko Janković, “Correction of room impulse response truncation based on a nonlinear decay model”, Applied Acoustics, Vol. 132, No. 3, pp. 210-222, 2018, Publisher: Elsevier, ISSN: 0003-682X (Print), DOI: 10.1016/j.apacoust.2017.11.018, M21 category. |
| 9 | Dejan G. Ćirić, Vlastimir D. Pavlović, Nebojša S. Dončov, “Generating 2-D FIR filter functions by Christoffel-Darboux formula for Chebyshev polynomials of the second kind”, International Journal of Electronics, Vol. 104, No. 3, pp. 416-432, 2017, Publisher: Taylor & Francis, ISSN: 0020-7217 (Print), ISSN: 1362-3060 (Online), DOI: 10.1080/00207217.2016.1218061, M23 category. |
| 10 | Marko Janković, Dejan G. Ćirić, Aleksandar Pantić, “Automated estimation of the truncation of room impulse response by applying a nonlinear decay model”, Journal of the Acoustical Society of America, Vol. 139, No. 3, pp. 1047-1057, 2016, Publisher: Acoustical Society of America, ISSN: 0001-4966, DOI: 10.1121/1.4941657, M21 category. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 189 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 20 | Number of international projects at which the lecturer currently participates | 2 |

**Specializations**

Institute for Research and Coordination in Acoustics/Music (IRCAM), Paris, France, in the period from 1 February 2014 to 31 July 2014.

**Other data considered relevant**

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | 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 Elektrotechnika, 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** | 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** | Dončov S. Nebojša |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2013 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2002 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1995 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK7O03 | Antennas and Propagation | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK3O03 | Electric Circuits and Signals | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK6O06 | Cable and Fiber-optic Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK7E01 | Measurements in Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK5B02 | Signal Processing | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK8B04 | Design of Information and Communication Systems and Instalations | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK7E04 | Developing Applications for Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK6O05 | Computer Communications and Internet Technologies | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK7E03 | Computer Networks and Internet Access | L | Electrical Engineering and Computer Science | BAS |
| 10 | 4MKS2A03 | Adaptive antennas and MIMO systems | L | Communications and Information Technologies | MAS |
| 11 | 4MKS1A04 | Wireless computer networks and Internet access | L | Communications and Information Technologies | MAS |
| 12 | 4MKS2A06 | Wireless and efficient energy transfer | L | Communications and Information Technologies | MAS |
| 13 | 4MKS1A08 | Electromagnetic Compatibility | L | Communications and Information Technologies | MAS |
| 14 | 4MKS2A08 | Application of electromagnetic software in engineering | L | Communications and Information Technologies | MAS |
| 15 | 4MKS2A04 | Computer Communications | L | Communications and Information Technologies | MAS |
| 16 | 4MKS1A03 | Broadband Access Networks | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Primož Smogavec, Blaž Pongrac, Andrej Sarjaš, Venceslav Kafedziski, Nebojša S. Dončov, Dušan Gleich, “Comparative Study of GPR Acquisition Methods for Shallow Buried Object Detection”, Remote Sensing, Special Issue New Insights in Ground Penetrating Radar Antenna Research and Landmine Detection, MDPI, Volume 16, Number 21, pp.1-25, 2024 (Remote Sens. 2024, 16, 3931), doi: 10.3390/rs16213931, M21/M21a |
| 2 | Tijana Dimitrijević, Aleksandar Atanasković, Christopher Smartt, Jugoslav Joković and Nebojša S. Dončov, “Complex Wire Structures Modelling in the Cylindrical TLM Method”, IEEE Transactions on Electromagnetic Compatibility, Institute of Electrical and Electronics Engineers, Inc, Volume 66, No. 2, pp. 606-614, 2024, doi: 10.1109/TEMC.2023.3336390, M22 |
| 3 | Tijana Dimitrijević, Ana Vuković, Aleksandar Atanasković, Jugoslav Joković, Phillip Sewell, and Nebojša S. Dončov, “Holistic Analysis of Conformal Antennas using the Cylindrical TLM Method”, IEEE Transactions on Antennas and Propagation, Institute of Electrical and Electronics Engineers, Inc, Volume 71, No. 5, pp. 4028-4035, 2023, doi: 10.1109/TAP.2023.3260633, M21/M21a |

| | |
|---|---|
| 4 | Zoran Ž. Stanković, Dragan I. Olćan, Nebojša S. Dončov, and Branko M. Kolundžija, "Consensus Deep Neural Networks for Antenna Design and Optimization", IEEE Transactions on Antennas and Propagation, Institute of Electrical and Electronics Engineers, Inc, Volume 70, No. 7, pp. 5015-5023, 2022, doi: 10.1109/TAP.2021.3138220, M21/M21a |
| 5 | Marin Nedelchev, Biljana P. Stošić, Nebojša S. Dončov, "Wave Digital Modeling in Microstrip Hairpin Filter Synthesis", Proceedings of the 44th International Conference on Telecommunications and Signal Proceesing (TSP), July 26-28, 2021, Brno, Czech Republic, pp.110-113, 2021, doi: 10.1109/TSP52935.2021.9522651, M33 |
| 6 | Tijana Dimitrijević, Aleksandar Atanasković, Nebojša S. Dončov, David W. P. Thomas, Christopher Smartt, Mohd H. Baharuddin, "Calibration of the Loop Probe for the Near-Field Measurement", International Journal of Microwave and Wireless Technologies, Cambridge University Press, Volume 12, Special Issue 9 (EuMC 2019 Special Issue (Part I) , pp.878-884, November 2020, doi: 10.1017/S1759078720000690, M23 |
| 7 | Marin Nedelchev, Biljana Stosić, Ilia Iliev, Ana Ilieva, Nebojša S. Dončov, "Wave-based Digital Model of Substrate-IntegratedWaveguide (SIW) Filters for K band", Proceedings of the 43rd International Conference on Telecommunications and Signal Proceesing (TSP 2020), Milan, Italy, pp. 325-328, 2020, doi: 10.1109/TSP49548.2020.9163541, M33 |
| 8 | Dejan Nikolić, Nikola Stojković, Zdravko Popović, Nikola Tošić, Nikola Lekić, Zoran Stanković, Nebojša Dončov, "Maritime Over the Horizon Sensor Integration: HFSWR data fusion algorithm", Remote Sensing, Special Issue Remote Sensing of Target Detection in Marine Environment, MDPI, Volume 11, Number 7, 852, pp.1-13, 2019 (Remote Sens. 2019, 11(7), 852), doi: 10.3390/rs11070852, M21 |
| 9 | Dejan G. Ćirić, Vlastimir D. Pavlović, Nebojša S. Dončov, "Generating 2-D FIR filter functions by Christoffel-Darboux formula for Chebyshev polynomials of the second kind", International Journal of Electronics, Taylor & Francis, Vol. 104, No. 3, pp. 416-432, 2017, doi: 10.1080/00207217.2016.1218061, M23 |
| 10 | Zlatica Marinković, Miloš Mitić, Nebojša S. Dončov, "FiWi and LiFi broadband access networks", Proceedings of 35. Symposium of new technologies in postal and telecommunications transport POSTEL 2017, Faculty of transport and traffic engineering, University of Belgrade, Belgrade, Serbia, pp.171-180, 2017, invitation paper, (in Serbian), M61 |

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

| | | | |
|---|---|---|---|
| Total number of citations | | Number of domestic projects at which the lecturer currently participates | |
| Total number of papers on the SCI (SSCI) list | | Number of international projects at which the lecturer currently participates | |

**Specializations**

Total number of papers on the SCI (SSCI) list

**Other data considered relevant**

Research visit at the University of Nottingham, United Kingdom, 2004 and 2016. Study visit at the Technical University of Munich, Germany, 2012 and 2016.

Other data considered relevant

From 2001 to 2003 he was working as research and development engineer with company Flomerics Ltd, Electromagnetics Division, in Nottingham, United Kingdom. He is a recipient of the award "Young Scientist Award of the Year" by International society URSI (International Union of Radio Science) in 2002 and "Aleksandar Marinčić" award by the National Society for Microwave Technique, Technologies and Systems in 2017. He has participated in 10 projects funded by the Serbian Ministry for science. He has participated in two projects funded by the Science Fund, Serbian Scientific Cooperation Program with the Diaspora: Optimising biomedical applicators for cancer care (2021-2023, project leader) and Customized models for flexible antennas design (2025-2026, project team member) and two projects funded by the Innovation Fund, Collaborative Grant Scheme Program: Smart 3D EM Simulation Environment for IoT and 5G (2020-2022, project team member) and Development of new generation of sterile PVC tubes docking devices for medical blood bag system (2017-2019, project team member). He has participated in the following international research projects: 1) two bilateral projects between Republic of Serbia and Germany: Network Methods in Electromagnetic Field Modelling (2011-2012, project team member) and Advanced Modelling of Noisy Electromagnetic Field Propagation in Highly Integrated Electronic Circuit and System Environments (2016-2017, principal investigator from Serbia); 2) two projects funded by the Royal Society Fund, United Kingdom: Predictive design of wearable textile antenna (2021-2023, principal investigator from Serbia) and Development of a smart sensor solution for damage detection in FRPstrengthened bridges – SmartBridges (2024-2026, principal investigator from Serbia) and 3) project within Science for Peace and Security Program: Advanced UAV Based GPR Imaging Techniques for Explosive Detection (2021-2024, Partner Country Project Director). Member of Management Committee for 4 EU COST actions.

He is one of the authors of the faculty textbook: B. Milovanović, V. Marković, N. Dončov, Z. Stanković, "Wireless communication systems", Faculty of Electronic Engineering, 2008 and the faculty methodical textbook: Z. Marinković, B. Stošić, A. Atanasković, N. Dončov, "Collection of solved problems in cable and optoelectronic communication systems", Faculty of Electronic Engineering, 2017, faculty methodical textbook: Z. Stanković, T. Dimitrijević, N. Dončov, "Antennas and propagation of radio waves - Collections of solved problems", Faculty of Electronic Engineering, 2019 and faculty methodical textbook: B. Stošić, A. Atanasković, N. Dončov, "Laboratory Exercises - Simulating Electrical Circuits / Data Acquisition Using NI myDAQ Devices", Faculty of Electronic Engineering, 2023.

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Đorđević Lj. Goran | | |
| **Title** | | | Full professor | | |
| **The name of the institution in which the lecturer works full or part time and since when** | | | University of Niš, Faculty of Electronic Engineering | | |
| **Specific scientific field** | | | Electronics | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2009 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| PhD | 1998 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| Specialization | | | | | |
| Magister | 1994 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| 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 | 4OEE5O06 | Digital System Architecture | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEE8A01 | Wireless Networks and Devices | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEE3O03 | Digital Electronics | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEU4O01 | Digital Electronics | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEE4O06 | Electronic Circuits and Embedded systems | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEE7B01 | Machine Learning in Embedded Systems | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4MEE1A16 | Distributed Embedded Systems | L, OFE | Electronics and Embedded Systems | MAS |
| 8 | 4MEE1A15 | Digital System Design | L | Electronics and Embedded Systems | MAS |
| 9 | 4MEE1A02 | Embedded System Design | L | Electronics and Embedded Systems | MAS |
| 10 | 4MEE2A08 | Advanced Embedded Systems Design | L | Electronics and Embedded Systems | MAS |
| **Representative references (at minimum 5, not more than 10)** | | | | | |
| 1 | Sandra Djosic, Milica Jovanovic, Goran Lj. Djordjevic, “Optimized k-Nearest neighbors search implementation on resource-constrained FPGA platforms”, Microprocessors and Microsystems, 2024 Sep 1;109:105089, Print ISSN: 0141-9331, Online ISSN: 1872-9436, 10.1016/j.micpro.2024.105089, IF2024=1.9 | | | | |
| 2 | Igor Stojanovic., Milica Jovanovic., Sandra Djosic, and Goran Lj. Djordjevic, 2021, Optimal port allocation scheme for deflection-routed networks-on-chip. The Journal of Supercomputing, https://doi.org/10.1007/s11227-021-03850-0 | | | | |
| 3 | Tatjana Nikolic, Goran Nikolic, and Goran Lj. Djordjevic, 2020. Distributed arbitration scheme for on-chip CDMA bus with dynamic codeword assignment,. Etri Journal, http://dx.doi.org/10.4218/etrij.2020-0016 | | | | |
| 4 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Tatjana Nikolic, and Goran Lj. Djordjevic, 2020. Fingerprinting-Assisted UWB-based Localization Technique for Complex Indoor Environments. Expert Systems with Applications, https://doi.org/10.1016/j.eswa.2020.114188 | | | | |
| 5 | Milica Jovanovic, Igor Stojanovic, Sandra Djosic, and Goran Lj. Djordjevic, 2020. Tone-Based Contention Resolution for Multi-hop Wireless Sensor Networks. Wireless Personal Communications, 111(2), pp.1151-1170. https://doi.org/10.1007/s11277-019-06906-w | | | | |
| 6 | Milica D. Jovanovic, Igor Z. Stojanovic, Sandra M. Djosic, Goran Lj. Djordjevic, "Intra-cluster tone-based contention resolution mechanism for wireless sensor networks", Computers & Electrical Engineering, October 2016, DOI: 10.1016/j.compeleceng.2016.10.008 | | | | |
| 7 | Igor Z. Stojanovic, Milica D. Jovanovic, Goran Lj. Djordjevic, "Dual-mode inter-router communication channel for deflection-routed networks-on-chip", The Journal of Supercomputing, July 2015, Volume 71, Issue 7, pp 2597-2613, ISSN=0920-8542, Springer US, DOI: 10.1007/s11227-015-1407-y | | | | |
| 8 | M. Velimirovic. G. Lj. Djordjevic, A. Velimirovic, D. Denic, “Range-Free Localization in Wireless Sensor Networks Using Fuzzy Logic”, AD HOC & SENSOR WIRELESS NETWORKS, (2014), vol. 23 no.. 3-4, pp. 187-210 | | | | |
| 9 | Milica Jovanovic, Goran Lj. Djordjevic, "Reduced-Frame TDMA Protocols for Wireless Sensor Networks", International Journal of Communication Systems, Wiley, Volume 27, Issue 10, pp. 1857-1872, 2014 (Online 2012), ISSN: 1099-1131, DOI=10.1002/dac.2439 | | | | |
| 10 | Milos D. Krstic, Mile K. Stojcev, Goran Lj. Djordjevic, Ivan D. Andrejic, „A Mid-Value Select Voter“, Microelectronics Reliability, Elsevier Ltd, Vol. 45, No. 3-4, pp.733-738, March-April 2005, DOI:10.1016/j.microrel.2004.07.006 | | | | |
| **Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer** | | | | | |

| | | | |
|---|---|---|---|
| Total number of citations | 370 | Number of domestic projects at which the lecturer currently participates | 3 |
| 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** | Đorđević T. Goran |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2016 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2005 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1996 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK7A04 | Academic Writing and Presentation of Results | L, OFE | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK6O04 | Laboratory Paracticum | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK8A01 | Modeling and Simulation of Telecommunication Systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK8A09 | Design of Telecommunication Systems | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK7C04 | Satellite Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEE4A01 | Telecommunications | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK6O02 | Information Theory and Applications | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK5O03 | Telecommunications Theory | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKK2O01 | Big data analysis | L | Communications and Information Technologies | MAS |
| 10 | 4MKK1B01 | Next generation mobile systems | L | Communications and Information Technologies | MAS |
| 11 | 4MKK2A03 | Telecommunications and information technologies in telemedicine | L, E | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**


| | |
|---|---|
| 1 | G. T. Djordjevic, M. Petkovic, N. Milosevic, B. Vasic, “Error performance of DDPSK receiver in the presence of composite fading”, IEEE Access, vol. 13, pp. 98066 – 98075, June 2025. |
| 2 | G. T. Djordjevic, M. I. Petković, A. M. Cvetković, G. K. Karagiannidis, “Mixed RF/FSO relaying with outdated channel state information”, IEEE Journal on Selected Areas in Communications, vol. 33, no. 9, pp. 1935-1948, September 2015. |
| 3 | G. T. Djordjevic, D. N. Milic, “E-Health – An Engineering Aspect”, Promotional event of EU E-Health and North Macedonia: From Current Practice to Implementation EUEHL, December 2020. |
| 4 | M. Petković, G. T. Djordjevic, G. Karagiannidis, G. V. Milovanović, “Performance of SIM-MDPSK FSO systems with hardware imperfections”, IEEE Transactions on Wireless Communications, vol. 6, no. 8, pp. 1536-1276, August 2017. |
| 5 | G. T. Djordjevic, M. Petkovic, J. Anastasov, P. Ivanis, Z. Marjanovic, "On the effects of correlation on outage performance of FSO unbalanced multibranch SC receiver", IEEE Photonics Technology Letters, vol. 28, no. 12, pp. 1348-1351, June 15, 2016. |
| 6 | J. A. Anastasov, Z. M. Marjanovic, D. N. Milic, G. T. Djordjevic, “Average BER and noisy reference loss of partially coherent PSK demodulation over shadowed multipath fading channel”, IEEE Transactions on Vehicular Technology, vol. 67, no. 8, pp. 7831-7835, August 2018. |
| 7 | G. T. Djordjevic, I. B. Djordjevic, “Effect of pointing errors on BER performance of multidimensional LDPC-coded OAM modulation with direct detection over turbulent FSO channels”, Invited Paper, Proc. of 23rd International Conference on Transparent Optical Networks (ICTON 2023), Tu.D2.4, Bucharest, 2023. |
| 8 | I. Radojkovic, J. Anastasov, D. Milic, P. Ivanis, G. T. Djordjevic, “Secrecy analysis of LEO satellite-to-ground station communication system influenced by Gamma-shadowed Ricean fading”, Electronics, 14(2), 293, January 2025. |
| 9 | G. T. Djordjevic, Ivan B. Djordjevic, "Multidimensional LDPC-coded signal transmission over TWDP fading channel", Proc. of 13th IEEE/IET International Symposium on Communication systems, Networks and Digital Signal Processing (CSNDSP2022), Porto, Portugal, 20-22 July. |

| | |
|---|---|
| 10 | G. T. Djordjevic, P. Ivanis, J. Makal, D. Milic, V. Kafedziski, "A method for generating random process having given first - and second-order statistics over FSO channel", Proc. of 14th IEEE/IET International Symposium on Communication systems, Networks and Digital Signal Processing (CSNDSP2024), Roma, Italy, 17-19 July. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 866 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 51 | Number of international projects at which the lecturer currently participates | 1 |

**Specializations**

Study stay at Bialystok University of Technology, Faculty of Electrical Engineering, Bialystok, Poland.

**Other data considered relevant**

- Experience in competitive public calls (restricted list)

o Norwegian, Bosnian and Serbian Cooperation Platform for University and Industry in ICT R&D (NORBAS), supported by Norwegian Ministry of Foreign Affairs under HERD Programme, period: 2012-2017 – Coordinator at the Faculty of Electronic Engineering.

o Innovative Reliable Chip Designs from Low-Powered Unreliable Components, FET-OPEN project funded by the European Commission under the Seventh Framework Programme, Grant Agreement number 309129, period: 2013-2016 - PI at Faculty of Electronic Engineering.

o Hybrid Integrated Satellite and Terrestrial Access Network (hi-STAR), funded by The Science Fund of the Republic of Serbia, Project number 7750284, period 1.1.2022 – 1.3.2025, WG leader.

o European Network on Future Generation Optical Wireless Communication Technologies (NEWFOCUS), funded by European Commission, COST Action CA19111, period: 8.9.2020 – 7.9.2024 - MC member.

o European Network for High Performance Integrated Microwave Photonics (EUIMWP), funded by European Commission, COST Action CA16220, period: 24.7.2017- 3.10.2021, MC member.

o Propagation tools and data for integrated Telecommunication, Navigation and Earth Observation systems, funded by European Commission, ICT COST Action IC0802, 2008 – 2012 – MC member.

o Advanced Techniques for Efficient Use of Spectrum in Wireless Systems, funded by Ministry of Education, Science and Technological Development of Republic of Serbia, Grant no. TR32028, January 2011 – December 2019, Member.

o Connect, Compare and Repair for a Common Future with Ukraine: a Focus on Electrical Engineering Teaching, funded by European Commission, Project number: Erasmus+ 2024-1-FR01-KA220-HED-000250882, period: 1.11.2024 – 31.10.2025 – Coordinator at University of Niš.

o Holistic Approach towards Problem-based ICT Education based on International Cooperation in Pandemic Conditions, funded by European Commission, Project number: Erasmus+ 2020-1-PL01-KA226-HE-096196, period: 1.6.2021 – 31.5.2023, Coordinator at University of Niš.

o Restructuring of doctoral studies in Serbia, Tempus project, (funded by European Commission, grant number 787517.36 , reference number 544093-2013, period: 2013 – 2016 – member.

o Innovation of a Group of Subjects in the Field of Communication and Information Technologies at the Faculty of Electronics in Nis, funded by Ministry of Education, Science and Technological Development of Republic of Serbia, period: 2017-2018, Coordinator.

o Equipping the Telecommunications Laboratory at the Faculty of Electronic Engineering in Niš (funded by Telenor, 2010) – project leader.

- Editorial work:

o Guest editor of journal Applied Sciences (IF2017=1.689) for special issue “Optical Wireless Communications “.

o Guest editor of journal Entropy (IF2022=2.7), for two special issues “Information Theory and Coding for Wireless Communications “ and “Information Theory and Coding for Wireless Communications II“.

- Published books and book chapter:

o G. T. Djordjevic, M. C. Stefanovic, Collection of solved problems in communication theory, Faculty of Electronic Engineering, Niš, 2011.

o G. T. Đorđević, Introduction to communications theory, Faculty of Electronic Engineering, Nis, 2016.

o M. Petković, A. Cvetković, G. T. Đorđević, “Performance of mixed RF/FSO relaying systems“, book chapter in: M. Uysal, C. Capsoni, Z. Ghassemlooy, A. Boucouvalas, and E. G. Udvary (Eds.), Optical Wireless Communication – An Emerging Technology, Springer, 2016.

o D. Milić, A. Nikołajew, G. T. Đorđević, Laboratory Practicum in Telecommunications, CIEES Association, Ruse, Bulgaria, 2023. (ICT_EDUPAND Project).

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

| | |
|---|---|
| **Last name, middle letter, first name** | Đošić M. Sandra |
| **Title** | Associate professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Electronics |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2022 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics |
| PhD | 2015 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics |
| Specialization | | | | |
| Magister | 2006 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics |
| Master | | | | |
| Diploma | 2000 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEE8A01 | Wireless Networks and Devices | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEE3O03 | Digital Electronics | L, E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEU4O01 | Digital Electronics | L, E | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEE4O06 | Electronic Circuits and Embedded systems | E | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEE7B01 | Machine Learning in Embedded Systems | L, E | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEE5B01 | Microprocessor Technique | L, E | Electrical Engineering and Computer Science | BAS |
| 7 | 4MEE1A16 | Distributed Embedded Systems | L | Electronics and Embedded Systems | MAS |
| 8 | 4MEE1A15 | Digital System Design | E, OFE | Electronics and Embedded Systems | MAS |
| 9 | 4MEE1A02 | Embedded System Design | E | Electronics and Embedded Systems | MAS |
| 10 | 4MEE2A08 | Advanced Embedded Systems Design | L | Electronics and Embedded Systems | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Sandra Djosic, Milica Jovanovic, Goran Lj. Djordjevic, Optimized k-Nearest neighbors search implementation on resource-constrained FPGA platforms, Microprocessors and Microsystems, vol 109, pp 105089, September 2024, https://doi.org/10.1016/j.micpro.2024.105089 |
| 2 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Goran Lj. Djordjevic, Multi-algorithm UWB-based localization method for mixed LOS/NLOS environments, Computer Communications, vol 181, pp 365-373, January 2022, https://doi.org/10.1016/j.comcom.2021.10.031 |
| 3 | Igor Stojanovic, Milica Jovanovic, Sandra Djosic, Goran Lj. Djordjevic, Optimal port allocation scheme for deflection-routed networks-on-chip, The Journal of Supercomputing, vol 77, pp 14161-14179, 2021, https://doi.org/10.1007/s11227-021-03850-0 |
| 4 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Tatjana Nikolic, Goran Lj. Djordjevic, Fingerprinting-assisted UWB-based localization technique for complex indoor environments, Expert Systems with Applications, vol 167, April 2021, https://doi.org/10.1016/j.eswa.2020.114188 |
| 5 | Nikolic Tatjana R, Djosic Sandra M, Nikolic Goran S, Djordjevic Goran Lj, Token ring arbitration scheme for on-chip CDMA bus architectures, Microelectronics Journal, vol 106, no 104923, 2020, https://doi.org/10.1016/j.mejo.2020.104923 |
| 6 | Milica Jovanovic, Igor Stojanovic, Sandra Djosic, Goran Lj. Djordjevic, Tone-Based Contention Resolution for Multi-hop Wireless Sensor Networks, Wireless Personal Communications, An International Journal, Springer US, pp 1-20, 26 October 2019, https://doi.org/10.1007/s11277-019-06906-w |
| 7 | Milica D. Jovanovic, Igor Z. Stojanovic, Sandra M. Djosic, Goran Lj. Djordjevic, Intra-Cluster Tone-Based Contention Resolution Mechanism for Wireless Sensor Networks, Computers and Electrical Engineering, vol 56, pp 485-497, http://www.sciencedirect.com/science/article/pii/S0045790616305250 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 127 | 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** | Joković J. Jugoslav |
| **Title** | Assistant professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2025 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 2004 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 2000 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK7C03 | Audio and Video Systems | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK5O06 | Wireless Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEM7A08 | Digital TV systems, services and components | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK5O05 | Microwave Technique | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEM6A02 | Microwave Technique and Electronics | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK8B04 | Design of Information and Communication Systems and Instalations | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK6C02 | Broadcasting systems and digital television | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK8O03 | Seminar - System Engineering and Radiocommunications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKS1A08 | Electromagnetic Compatibility | E, OFE | Communications and Information Technologies | MAS |
| 10 | 4MKS1A05 | Multimedia systems and interactive services | L, E, OFE | Communications and Information Technologies | MAS |
| 11 | 4MKS2A02 | Advanced Communication Technologies and Services | L, OFE | Communications and Information Technologies | MAS |
| 12 | 4MKS2A08 | Application of electromagnetic software in engineering | L | Communications and Information Technologies | MAS |
| 13 | 4MKS2A01 | Satellite Systems and Services | L | Communications and Information Technologies | MAS |
| 14 | 4MKS1A10 | Techno-economic and ecological aspects of communication systems | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Jugoslav Joković, Tijana Dimitrijević, Nebojša Dončov, Bratislav Milovanović, “Efficient Integral Cylindrical TLM Modelling of a Coaxially Loaded Probe-Coupled Cavity”, IET Microwaves, Antennas & Propagation, Institution of Engineering and Technology, Volume 9, Issue 8, pp. 788 – 794, 2015, DOI: 10.1049/iet-map.2014.0587, M23. |
| 2 | Dragan Stević, Igor Hut, Nikola Dojčinović Jugoslav Joković, “Automated identification of land cover type using multispectral satellite images”, Energy and Building, Elsevier, Volume 115, pp. 131–137, 2016, DOI: 10.1016/j.enbuild.2015.06.011, M21. |
| 3 | Tijana Dimitrijević, Jugoslav Joković, Nebojša Dončov, “Efficient Modeling of a Circular Patch-Ring Antenna Using the Cylindrical TLM Approach”, IEEE Antennas and Wireless Propagation Letters, IEEE, Volume 16, Issue 1, pp. 2070-2073, 2017, DOI: 10.1109/LAWP.2017.2696122, M21 |
| 4 | Jamal Raiyn, Jugoslav Jokovic, The Application of Advanced IoT in Cyberparks, CyberParks - The Interface Between People, Places and Technology: New Approaches and Perspectives, Springer, pp. 308-323, 2019. DOI: 10.1007/978-3-030-13417-4_10, M13 |
| 5 | Tijana Dimitrijević, Jugoslav Joković, Nebojša Dončov, “Frequency Adjustable Dual-Band Microstrip Gap-Ring-Slot Antenna Design using the Cylindrical TLM Method”, The Applied Computational Electromagnetics Society Journal, ACES, Volume 34, Number 5, pp. 631-641, 2019, M21 |

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

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

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

**Specializations**

**Other data considered relevant**

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

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Jovanović B. Dejan | | |
| **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** | | | Theoretical Electrical Engineering | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2023 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| PhD | 2021 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| Specialization | | | | | |
| Magister | | | | | |
| Master | | | | | |
| Diploma | 2013 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electrical Power Engineering |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEP4O03 | Electromagnetics | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEZ1O02 | Fundamentals of Theoretical Electrical Engineering 1 | E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEZ2O03 | Fundamentals of Theoretical Electrical Engineering 2 | E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEM5A04 | Applied Electromagnetics | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEE7D04 | Applied Electromagnetics | L, E | Electrical Engineering and Computer Science | BAS |
| 6 | 4MKK1B03 | Computational Electromagnetics - Selected Chapters | E | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Dejan Jovanović, Dragan Krasić, Nenad Cvetković, Vladimir Stanković, Dragana Živaljević, Bojana Petković, "Effect of Titanium Mandible Implant on the Electric Field and SAR Distribution Caused by Mobile Phone Within the User's Head", Electronics 2025,Vol. 14(11), 2096, https://doi.org/10.3390/electronics14112096 |
| 2 | D. Živaljević, D. Jovanović, D. Krasić, N. Cvetković, B. Petković, "Impact of Titanium Cranial Implants on the Electric Field and SAR Distribution Induced by Mobile Phones Within the User's Head", Electronics, Vol. 13, No. 22, 2024, 4551. DOI: 10.3390/electronics13224551 |
| 3 | Dejan Jovanovic, Dragan Krasic, Nenad Cvetkovic, Dragan Vuckovic, Vladimir Stanković, "Electric Field and SAR Distribution in the Vicinity of Dental Implants Exposed to the Cell Phone Electromagnetic Radiation", COMPEL International Journal of Computations and Mathematics in Electrical and Electronic Engineering, Volume 45, Issue 5, 2023. DOI:10.1108/COMPEL-01-2023-0010. |
| 4 | Dragan Vuckovic, Dejan Jovanovic, Nenad Cvetkovic, Dragan Tasic, Karolina Kasas-Lazetic, "An Approximate Model for Determining the Resistance of a Hemispherical Ground Electrode Placed on a Non-homogeneous Truncated Cone", Acta Polytechnica Hungarica, Volume 20, Number 6, 2023, pp. 119-133, DOI: 10.12700/APH.20.6.2023.6.7 |
| 5 | Vladimir Stanković, Dejan Jovanović, Nenad Cvetković, Milan Blagojević,Miomir Raos, "Approximation of Electric Field in Biological Tissue", Technical gazette, Vol. 30 No. 3, 2023., DOI: 10.17559/TV-20221109190210 |
| 6 | Nenad N. Cvetković, Marko A. Dimitrijević, Dejan B. Jovanović, Dragana U. Živaljević, Dragan Đ. Krasić, „Dental Amalgam Influence on the Amount of Absorbed Energy from Mobile Phone", Elektronika Ir Elektrotechnika, Volume 26, Issue 4, 2020, pp. 32-38. DOI: 10.5755/j01.eie.26.4.25811 |
| 7 | Dejan B. Jovanović, Dragan Dj. Krasić, Vladimir B. Stanković, Nenad N. Cvetković, Dragan D. Vučković, „Electric Field and SAR Distribution in the Vicinity of Orthodontic Brace Exposed to the Cell Phone Radiation", ACES Journal, Volume 34, Issue 12, December 2019, pp. 1904-1914, ISSN 1054-4887. https://bit.ly/382fNWF |
| 8 | Dejan B. Jovanovic, Vladimir B Stankovic, Nenad N. Cvetkovic, Dejan D. Krstic, Dragan Vuckovic, "The impact of human age on the amount of absorbed energy from mobile phone", COMPEL International Journal of Computations and Mathematics in Electrical and Electronic Engineering,Volume 38, Issue 5, 2019. DOI: 10.1108/COMPEL-12-2018-0511 |
| 9 | Nenad N. Cvetković, Miodrag S. Stojanović. Dejan B. Jovanović, "A simple approach for modelling multi-layered ground", Revue roumaine des sciences techniques, Série Électrotechnique et Énergétique, Publishing House of the Romanian Academy, Volume 64, Issue 2, pp. 125-130, 2019. http://revue.elth.pub.ro/viewpdf.php?id=830 |
| 10 | Nenad N. Cvetković, Dejan Krstić, Vladimir Stanković, Dejan Jovanović "Electric Field Distribution and Specific Absorption Rate inside a Human Eye Exposed to Virtual Reality Glasses", IET Microwaves, Antennas & Propagation, Volume 12, Number 14, pp. 2234-2240, 2018. DOI: 10.1049/iet-map.2018.5227 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 77 | Number of domestic projects at which the lecturer currently participates | 0 |

| | | | |
|---|---|---|---|
| Total number of papers on the SCI (SSCI) list | 15 | Number of international projects at which the lecturer currently participates | 0 |
| **Specializations** | | | |
| | | | |
| **Other data considered relevant** | | | |
| | | | |

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

| | |
|---|---|
| **Last name, middle letter, first name** | Jovanović D. Milica |
| **Title** | Assistant professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Nis, Faculty of Electronic Engineering |
| **Specific scientific field** | Electronics |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2021 | University of Nis, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics |
| PhD | 2017 | University of Nis, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics |
| Specialization | | | | |
| Magister | 2011 | University of Nis, Faculty of Electronic Engineering | Electrical and Computer Engineering | Microsystem Design and Engineering |
| Master | | | | |
| Diploma | 2003 | University of Nis, Faculty of Electronic Engineering | Electrical and Computer Engineering | Computing Science 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 | 4OEE5O06 | Digital System Architecture | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEE8A01 | Wireless Networks and Devices | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEE3O03 | Digital Electronics | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEU4O01 | Digital Electronics | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEE7B01 | Machine Learning in Embedded Systems | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEE5B01 | Microprocessor Technique | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEE7C02 | Mobile Devices Programming | L, E | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEE6A01 | Digital System Design | L, E | Electrical Engineering and Computer Science | BAS |
| 9 | 4MEE1A16 | Distributed Embedded Systems | L, E | Electronics and Embedded Systems | MAS |
| 10 | 4MEE1A15 | Digital System Design | L | Electronics and Embedded Systems | MAS |
| 11 | 4MEE1A02 | Embedded System Design | L, OFE | Electronics and Embedded Systems | MAS |
| 12 | 4MEE2A08 | Advanced Embedded Systems Design | L, E, OFE | Electronics and Embedded Systems | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Milica D. Jovanovic, Igor Z. Stojanovic, Sandra M. Djosic, Goran Lj. Djordjevic, „Intra-Cluster Tone-Based Contention Resolution Mechanism for Wireless Sensor Networks", Computers and Electrical Engineering, Elsevier, Vol. 56, pp. 485-497, November 2016, DOI: 10.1016/j.compeleceng.2016.10.008, ISSN: 0045-7906, http://www.sciencedirect.com/science/article/pii/S0045790616305250 |
| 2 | Milica D. Jovanovic, Igor Z. Stojanovic, Sandra M. Djosic, Goran Lj. Djordjevic, „Tone-Based Contention Resolution for Multi-Hop Wireless Sensor Networks", Wireless Personal Communications, Springer, Vol. 111, pp. 1151-1170, 2020, DOI: 10.1007/s11277-019-06906-w, Electronic ISSN: 1572-834X, Print ISSN: 0929-6212, https://link.springer.com/article/10.1007%2Fs11277-019-06906-w |
| 3 | Igor Z. Stojanovic, Milica D. Jovanovic, Sandra M. Djosic, Goran Lj. Djordjevic, "Optimal port allocation scheme for deflection-routed networks-on-chip", The Journal of Supercomputing, Vol. 77, pp. 14161-14179, 2021. DOI: 10.1007/s11227-021-03850-0 |
| 4 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Tatjana Nikolic, Goran Lj. Djordjevic, "Fingerprinting-assisted UWB-based localization technique for complex indoor environments", Expert Systems with Applications, Volume 167, 1 April 2021, ISSN 0957-4174, https://doi.org/10.1016/j.eswa.2020.114188. |
| 5 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Goran Lj. Djordjevic, "Multi-algorithm UWB-based localization method for mixed LOS/NLOS environments", Computer Communications, Vol. 181, pp. 365-373, January 2022, https://doi.org/10.1016/j.comcom.2021.10.031 |
| 6 | Sandra Djosic, Milica Jovanovic, Goran Lj. Djordjevic, "Optimized k-Nearest neighbors search implementation on resource-constrained FPGA platforms", Microprocessors and Microsystems, Vol. 109, pp. 105089, September 2024, https://doi.org/10.1016/j.micpro.2024.105089 |
| 7 | M. Mitic, M. Stojcev, and Z. Stamenkovic, "An Overview of SoC Buses", Embedded Systems Handbook, Digital Systems and Applications, V. Oklobdzija (Ed.), chapter 7, pp. 7.1- 7.16, CRC Press, Boca Raton, 2008, ISBN 978-0-8493-8619-0. |

| | |
|---|---|
| 8 | Igor Z. Stojanovic, Milica D. Jovanovic, Goran Lj. Djordjevic, „Dual-mode inter-router communication channel for deflection-routed networks-on-chip“, The Journal of Supercomputing, Springer, Vol. 71, No. 7, pp. 2597-2613, June 2015, DOI 10.1007/s11227-015-1407-y, ISSN 0920-8542 (Print), ISSN 1573-0484, http://link.springer.com/article/10.1007/s11227-015-1407-y |
| 9 | M. Kostić, S. Đošić, M. Jovanović, and I. Stojanović, “Performance Analysis of Machine Learning Algorithms for Indoor Localization”, Proceedings of XVI International SAUM Conference, SAUM 2022, pp. 115-118, Nis, Serbia, November 2022, ISBN: 978-86-6125-205-1. |
| 10 | M. Djordjevic, M. Jovanovic, S. Djosic, “VHDL realization of a hardware accelerator for k-NN classification”, Proceedings of 16-th International Conference on Advanced Technologies, Systems and Services in Telecommunications, TELSIKS 2023, pp. 332-335, Nis, Serbia, October 2023 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 225 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 9 | Number of international projects at which the lecturer currently participates | 0 |

**Specializations**

**Other data considered relevant**

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

| | |
|---|---|
| **Last name, middle letter, first name** | Jovanović R. Jelena |
| **Title** | Associate professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Metrology and Measurement Technique |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2023 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Metrology and Measurement Technique |
| PhD | 2016 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Metrology and Measurement Technique |
| Specialization | | | | |
| Magister | | | | |
| Master | | | | |
| Diploma | 2008 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEP3O03 | Measurements in Electrical Power Engineering | E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEM5A02 | Measurements in Microelectronics | E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEU8A02 | Measurement of Electrical Power Quality | E | Electrical Engineering and Computer Science | BAS |
| 4 | 4OER8A04 | Microcomputer-Based Measurement Systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEM3O03 | Metrology of Electrical Quantities | E | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEU8A01 | Computer Based Industrial Measurement Systems | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEU6B04 | Telemetry | L, OFE | Electrical Engineering and Computer Science | BAS |
| 8 | 4MUR1B02 | IoT Sensors and Measurement Systems | L, OFE | Control Systems | MAS |
| 9 | 4MEK1A12 | Measurement Systems in Industry 5.0 | L | Electron Devices and Microsystems | MAS |
| 10 | 4MEE2A10 | Measurement Systems in Industry 5.0 | L | Electronics and Embedded Systems | MAS |
| 11 | 4MKK1C02 | Measurement Systems in Industry 5.0 | L | Communications and Information Technologies | MAS |
| 12 | 4MUR1A02 | Design of Microcomputer Measurement Instruments | L | Control Systems | MAS |
| 13 | 4MEP1C03 | Computer Based Industrial Measurement Systems | L | Electrical Power Engineering | MAS |
| 14 | 4MKK1A01 | Telemetry | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**


| | |
|---|---|
| 1 | Zoran Perić, Jelena Lukić, Jelena Nikolić, Dragan Denić, „Design of Nonuniform Dead-zone Quantizer with Low Number of Quantization Levels for the Laplacian Source”, Revue Roumaine des Sciences Techniques. Ser. Electrotechnique et Energetique, Vol 58, No. 1, pp. 93-100, 2013, ISSN 0035-4066, http://revue.elth.pub.ro/viewpdf.php?id=384 |
| 2 | Zoran Perić, Jelena Nikolić, Jelena Lukić, Dragan Denić, „Analysis of Two-stage Quantizer with Embedded G. 711 Quantizer and Segmental Uniform Quantizer”, Electronics and Electrical Engineering, Vol 19, No. 2, pp. 88-91, 2013, ISSN 1392-1215, doi: http://dx.doi.org/10.5755/j01.eee.19.2.1107 |
| 3 | Zoran Perić, Jelena Lukić, Jelena Nikolić, Dragan Denić, „Application of Mean-square Approximation for Piecewise Linear Optimal Compander Design for Gaussian Source and Gaussian Mixture Model”, Information Technology And Control, Vol 42, No 3, pp. 277-285, 2013, ISSN 1392-124X, doi: http://dx.doi.org/10.5755/j01.itc.42.3.4349 |
| 4 | Dragan Živanović, Jelena Lukić, Dragan Denić, „A Novel Linearization Method of Sin/Cos Sensor Signals Used for Angular Position Determination”, Journal of Electrical Engineering and Technology, Vol. 9, No. 4, pp. 1437-1445, 2014, ISSN 1975-0102, doi: http://dx.doi.org/10.5370/JEET.2014.9.4.1437 |
| 5 | Jelena Lukić, Dragan Denić, „A Novel Design of an NTC Thermistor Linearization Circuit”, Metrology and Measurement Systems, Vol. 22, No. 3, pp. 351–362, 2015, ISSN 0860-8229, doi: https://doi.org/10.1515/mms-2015-0035 |
| 6 | Jelena Jovanović, Dragan Denić, „A Cost-effective Method for Resolution Increase of the Two-stage Piecewise Linear ADC Used for Sensor Linearization”, Measurement Science Review, Vol. 16, No. 1, pp. 28-34, 2016, ISSN 1335-8871, doi: http://dx.doi.org/10.1515/msr-2016-0005 |

| | |
|---|---|
| 7 | Jelena Jovanović, Dragan Denić, Uglješa Jovanović, „An Improved Linearization Circuit Used for Optical Rotary Encoders”, Measurement Science Review, Vol. 17, No. 5, pp. 241-249, 2017, ISSN 1335-8871, doi: http://dx.doi.org/10.1515/msr-2017-0029 |
| 8 | Jelena Jovanović, Dragan Denić, „NTC thermistor nonlinearity compensation using Wheatstone bridge and novel dual-stage single-flash piecewise-linear ADC”, Metrology and Measurement Systems, Vol. 28, No. 3, pp. 523-537, 2021, ISSN 0860-8229, doi: https://doi.org/10.24425/mms.2021.136616 |
| 9 | Jelena Jovanović, Dragan Denić, „Mixed-mode method used for Pt100 static transfer function linearization”, Measurement Science Review, Vol. 21, No. 5, pp. 142-149, 2021, ISSN 1335-8871, doi: https://doi.org/10.2478/msr-2021-0020 |
| 10 | Jelena Jovanović, Dragan Denić, „A double-nonuniform single-flash piecewise linear ADC used for linearization of sinusoidal sensors“, Journal of Electrical Engineering, Vol. 76, No. 3, pp. 200-210, 2025, ISSN 1335-3632, doi: https://doi.org/10.2478/jee-2025-0021 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 50 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 11 | Number of international projects at which the lecturer currently participates | 2 |

**Specializations**

**Other data considered relevant**

Prof. Dr. Jovanović R. Jelena was the leader of a project funded by the Ministry of Education, Science and Technological Development as part of the Ministry's program activity "Development of Higher Education" for the year 2019.

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

| | |
|---|---|
| **Last name, middle letter, first name** | Jovanović Ž. Aleksandra |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2022 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1995 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK6B02 | Data Analysis and Compression | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK8A08 | Digital Image Processing | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK5O02 | Digital Communications | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK7O02 | Error Control Coding | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK8A06 | Machine Learning 2 | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4MKK1O02 | Artificial Intelligence - Chosen Chapters | L | Communications and Information Technologies | MAS |
| 7 | 4MKK1C01 | Advanced Coding Techniques | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Aleksandra Ž. Jovanović, Ivan B. Djordjevic, Zoran H. Perić, Slobodan A. Vlajkov, "Circularly symmetric companding quantization-inspired hybrid constellation shaping for APSK modulation to increase power efficiency in Gaussian-noise-limited channel", IEEE Access, IEEE, Electronic ISSN: 2169-3536, vol. 9, pp. 4072-4083, January 2021, (IF5god = 3.758, M22), (IF2021 = 3.476, M22), doi:10.1109/ACCESS.2020.3047681. |
| 2 | Aleksandra Ž. Jovanović, Zoran H. Perić, Jelena R. Nikolić, "Iterative algorithm for designing asymptotically optimal uniform scalar quantization of the one-sided Rayleigh density", IET Communications, The Institution of Engineering and Technology & Wiley, ISSN: 1751-8628, vol. 15, no. 5, pp. 723-729, March 2021, (IF5god = 1.276, M23), (IF2021 = 1.345, M23), doi:10.1049/cmu2.12114. |
| 3 | Jelena Nikolić, Stefan Tomić, Zoran Perić, Aleksandra Jovanović, Danijela Aleksić, "Accuracy Degradation Aware Bit Rate Allocation for Layer-Wise Uniform Quantization of Weights in Neural Network", Journal of Electrical Engineering, ISSN 1335-3632, eISSN 1339-309X, vol. 75, no. 6, pp. 425-434, 2024, (M23 IF2023=1.0, IF5god=0.9), doi:10.2478/jee-2024-0051. |
| 4 | Jelena Nikolic, Zoran Peric, Stefan Tomic, Aleksandra Jovanovic, Danijela Aleksic, Sofija Peric, "Comparative Analysis of the Robustness of 3-bit PoTQ and UQ and their Application in Post-Training Quantization", Advances in Electrical and Computer Engineering, ISSN 1582-7445, vol. 24, no. 4, 2024, pp. 47-56, 2024, (M23 IF2023=0.7, IF5god=0.7), https://doi.org/10.4316/AECE.2024.04005. |
| 5 | Aleksandra Ž. Jovanović, Zoran H. Perić, Jelena R. Nikolić, "An efficient iterative algorithm for designing an asymptotically optimal modified unrestricted uniform polar quantization of bivariate Gaussian random variables", Digital Signal Processing, Elsevier, ISSN: 1051-2004, vol. 88, pp. 197-206, May 2019, (IF5god = 2.664, M22), (IF2019 = 2.871, M22), doi:10.1016/j.dsp.2019.02.015. |
| 6 | Zoran H. Perić, Marko D. Petković, Jelena R. Nikolić, Aleksandra Ž. Jovanović, "Support region estimation of the product polar companded quantizer for Gaussian source", Signal Processing, Elsevier, ISSN: 0165-1684, vol. 143, pp. 140 145, February 2018, (IF5god = 3.653, M21), (IF2018 = 4.086, M21), doi:10.1016/j.sigpro.2017.08.024. |
| 7 | Slobodan A. Vlajkov, Aleksandra Ž. Jovanović, Zoran H. Perić, "Approach in companding-quantization-inspired PAM constellation design", IET Communications, The Institution of Engineering and Technology, ISSN: 1751-8628, vol. 12, no. 18, pp. 2305-2314, November 2018, (IF5god = 1.331, M23), (IF2018 = 1.779, M22), doi:10.1049/iet-com.2018.5439. |
| 8 | Aleksandra Ž. Jovanović, Zoran H. Perić, Jelena R. Nikolić, Milan R. Dinčić, "Asymptotic analysis and design of restricted uniform polar quantizer for Gaussian sources", Digital Signal Processing, Elsevier, ISSN: 1051 2004, vol. 49, pp. 24 32, February 2016, (IF5god = 2.174, M22), (IF2016 = 2.337, M22), doi:10.1016/j.dsp.2015.10.016 |

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|---|---|
| 9 | Jelena R. Nikolić, Zoran H. Perić, Aleksandra Ž. Jovanović, "Two forward adaptive dual-mode companding scalar quantizers for Gaussian source", Signal Processing, Elsevier, ISSN: 0165-1684, vol. 120, no. 3, pp. 129 140, March 2016, (IF5god = 3.001, M21), (IF2016 = 3.110, M21), doi:10.1016/j.sigpro.2015.08.016. |
| 10 | Milan R. Dinčić, Zoran H. Perić, Aleksandra Ž. Jovanović, "New coding algorithm based on variable-length codewords for piecewise uniform quantizers", Informatica, Vilnius University Institute of Mathematics and Informatics and Lithuanian Academy of Sciences, ISSN: 0868-4952, vol. 27, no. 3, pp. 527 548, 2016, (IF5god = 1.104, M22), (IF2015 = 1.386, M21), doi:10.15388/Informatica.2016.98. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 177 | 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**

Aleksandra Ž. Jovanović, Bane Vasić, Error Control Coding – Linear Block Codes (in Serbian), Faculty of Electronic Engineering, University of Niš, 2022, ISBN: 978-86-6125-252-5.
Zoran H. Perić, Vladimir M. Despotović, Jelena R. Nikolić, Aleksandra Ž. Jovanović, Nikola B. Simić, Laboratory Manual for Digital Telecommunications I with MATLAB Examples (in Serbian), Faculty of Electronic Engineering, University of Niš, 2017, ISBN: 978-86-6125-191-7.
Zoran H. Perić, Aleksandra Ž. Jovanović, Jelena R. Nikolić, Problem Book in Digital Telecommunications I – Selected Chapters (in Serbian), Faculty of Electronic Engineering, University of Niš, 2016, ISBN: 978-86-6125-169-6.

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

| | |
|---|---|
| **Last name, middle letter, first name** | Maleš-Ilić P. Nataša |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2016 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2004 | University of Westminster, London, UK | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1997 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1992 | 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 | 4OEK5O06 | Wireless Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK6C04 | Short Range Wireless Systems | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK7A03 | Creative Laboratory | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK5O05 | Microwave Technique | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEM6A02 | Microwave Technique and Electronics | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK7E02 | Smart Systems and IoT | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK8B03 | Communication Hardware Programming | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK6C03 | Microwave Circuit Design | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKS2A06 | Wireless and efficient energy transfer | L | Communications and Information Technologies | MAS |
| 10 | 4MKS1A09 | IoT services | L | Communications and Information Technologies | MAS |
| 11 | 4MKS1A05 | Multimedia systems and interactive services | L, E | Communications and Information Technologies | MAS |
| 12 | 4MKS2A02 | Advanced Communication Technologies and Services | L | Communications and Information Technologies | MAS |
| 13 | 4MKS1A01 | Microwave and Millimeter Wave Circuit Design | L | Communications and Information Technologies | MAS |
| 14 | 4MKS1A06 | Radar Systems and Radiolocation | L | Communications and Information Technologies | MAS |
| 15 | 4MKS2A07 | Data Exchange in IoT and Web Systems | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Aleksandra Djorić, Aleksandar Atanasković, Nataša Maleš-Ilić, Marko Živanović: “Linearization of RF PA by Even-order Nonlinear Baseband Signal Processed in Digital Domain”, International Journal of Electronics, Taylor & Francis, Vol.106, Issue No.12, pp.1904-1918, December 2019, DOI: 10.1080/00207217.2019.1636145. |
| 2 | M. Ilic, Z. Stankovic, N. Males-Ilic, “Spatial Localization of Electromagnetic Radiation Sources by Cascade Neural Network Model with Noise Reduction”, Radioengineering, Vol.32, No.3, pp.381-390, September 2023, DOI: 10.13164/re.2023.0381. |
| 3 | Aleksandar Atanaskovic, Aleksandra Djoric, Natasa Males Ilic, Biljana Stosic and Djuradj Budimir, "Linearization of the Fifth Generation Power Amplifiers by Injection of the Second Order Digitally Processed Signals", Radioengineering, Vol.33, Number:3, pp. 339–348, September 2024, DOI: 10.13164/re.2024.0339 |
| 4 | Nataša Maleš-Ilić, Aleksandar Atanasković, Kurt Blau, Mathias Hein, “Linearization of Asymmetrical Doherty Amplifier by the Even-Order Nonlinear Signals”, published online in International Journal of Electronics, Taylor & Francis, Vol. 103, Issue 8, 2016, pp.1318-1331, DOI: 10.1080/00207217.2015.1104727. |

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|---|---|
| 5 | Aleksandar Atanasković, Nataša Maleš-Ilić, Aleksandra Đorić, Djuradj Budimir, Doherty Amplifier Linearization by Digital Injection Methods, Facta Universitatis (Nis), Series: Electronics and Energetics, University of Niš, Serbia, vol. 35, no 4, December 2022, pp. 587-601. |
| 6 | Aleksandra Đorić, Aleksandar Atanasković, Nataša Maleš-Ilić, Biljana Stošić, Djuradj Budimir, Evaluation of the Dual-Band PA Nonlinear Behavior for 5G Signals, Proceedings of the 16th International Conference on Advanced Technologies, Systems and Services in Telecommunications - TELSIKS 2023, Niš, Serbia, October 25-27, IEEE and Faculty of Electronic Engineering, pp.352-355, 2021, DOI: 10.1109/TELSIKS57806.2023.10316097 |
| 7 | Aleksandar Atanasković, Nataša Maleš-Ilić, Aleksandra Đorić, Predrag Eferica, Human Heartbeat Detection by Doppler Radar and Non Linear Tag, Proceedings of the XI International Conference on Electrical, Electronic and Computing Engineering - IcETRAN 2024, Niš, Serbia, June 3-6, IEEE and ETRAN Society, pp.1-6, 2024, DOI: 10.1109/IcETRAN62308.2024.10645104 |
| 8 | Aleksandar Atanasković, Nataša Maleš-Ilić, Bratislav Milovanović: "Linearization of power amplifiers by second harmonics and fourth-order nonlinear signals", Microwave and Optical Technology Letters, Wiley Periodicals, Inc., A Wiley Company, Vol.55, Issue 2, pp.425-430, February 2013, DOI: 10.1002/mop.27294. |
| 9 | Nataša Maleš-Ilić, Bratislav Milovanović, Đurađ Budimir:, "Effective linearization technique for amplifiers operating close to saturation", International Journal of RF & Microwave Computer-aided Engineering, Wiley, Vol. 17, No. 2, pp.169-178, March 2007, http://www3.interscience.wiley.com/journal/114186419/issue |
| 10 | Aleksandar Atanasković, Tijana Dimitrijević, Nataša Maleš-Ilić, Milan Čabarkapa: "Empowering IoT Education Utilizing Free Online Arduino Simulators", Proceedings of 59th International Scientific Conference on Information, Communication and Energy Systems and Technologies – ICEST 2024, Sozopol, Bulgaria, July 01-03, IEEE and Faculty of Telecommunications, pp.1-4, 2024, ISBN: 979-8-3503-8619-6, DOI: 10.1109/ICEST62335.2024.10639688 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 91 | 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 | 0 |

**Specializations**

Study stay at the University of Westminster, London, UK, 2000, 2001, 2003, 2014. Study stay at the Technical University of Ilmenau, Germany, 2011.

**Other data considered relevant**

Mentor of a student who was awarded the MTT-S Undergraduate Scholarship for the spring 2014 cycle.
One of the authors of the textbooks: B. Milovanović, V. Marković, N. Maleš-Ilić, O. Pronić-Rančić, Mikrotalasna tehnika Part-I, Faculty of Electronics-Niš, 2009, ISBN 978-86-6125-005-7 and O. Pronić-Rančić, V. Marković, N. Maleš-Ilić, B. Milovanović, Mikrotalasna elektronika, Faculty of Electronics-Niš, 2013, ISBN 978-86-6125-081-1.
Participant in 11 scientific research and 2 projects aimed at the development of higher education funded by the Ministry of Science of the Republic of Serbia. Leader of the bilateral German-Serbian scientific research DAAD project implemented in cooperation with the Technical University of Ilmenau: "Development of linearization techniques for broadband and/or dual band power amplifiers for application in terrestrial microwave links", (2013-2014). Leader of the project granted by the Science Fund of the Republic of Serbia, Serbian Science and Diaspora Collaboration Program- Knowledge Exchange Vouchers: "Digital Even–Order Linearization of 5G Power Amplifiers in Bands below 6GHz" (2021-2023). Coordinator for the ERASMUS+ project in the field of teaching improvement Boosting the Telecommunications Engineer Profile to Meet Modern Society and Industry Needs (BENEFIT).
Participant in 5 international projects related to the improvement of teaching and reform of higher education (WUS, TEMPUS, EUROWEB and 2 ERASMUS+ projects).
Member of the International Institute of Electrical and Electronics Engineers (IEEE) and the National Society for Microwave Engineering and Technology, IEEE Women in Engineering and DAAD Alumni

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

| | |
|---|---|
| **Last name, middle letter, first name** | Marinković D. Zlatica |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2023 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 2003 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK8B02 | Artificial Neural Networks in Radiocommunication Systems | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK6O06 | Cable and Fiber-optic Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK6C01 | Mobile Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK8B04 | Design of Information and Communication Systems and Instalations | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK8O03 | Seminar - System Engineering and Radiocommunications | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK4O01 | Software Tools | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4MKS2A05 | Artificial Intelligence and Machine Learning for Communication Systems | L, E | Communications and Information Technologies | MAS |
| 8 | 4MUA2B03 | Mobile Communication Systems | L | Control Systems | MAS |
| 9 | 4MKS2A02 | Advanced Communication Technologies and Services | L | Communications and Information Technologies | MAS |
| 10 | 4MKS1A02 | Design of Telecommunication Systems and Networks | L | Communications and Information Technologies | MAS |
| 11 | 4MEE1A05 | RF Systems | L | Electronics and Embedded Systems | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Zlatica Marinković, Vera Marković, Alina Caddemi, "Artificial Neural Networks in Small-Signal and Noise Modeling of Microwave Transistors", Chapter 6 in „Artificial Neural Networks“ edited by Seoyun J. Kwon, Nova Science Publishers Inc., 2011 (M13) |
| 2 | Alfiero Leoni, Vincenzo Stornelli, Leonardo Pantoli, Giorgio Leuzzi, Zlatica Marinković, “RF Active inductors small-signal design by means of conformal transformations”, IEEE Acess, vol. 8, pp. 50390 - 50398 March 2020 (M21) |
| 3 | Zlatica Marinković, Taeyoung Kim, Vera Marković, Marija Milijić, Olivera Pronić-Rančić, Tomislav Ćirić, Larissa Vietzorreck, “Artificial Neural network based design of RF MEMS capacitive shunt switches”, Applied Computational Electromagnetics Society Journal, vol. 31 no. 7, pp. 756-764, July 2016. (M23) |
| 4 | Zlatica Marinković, Giovanni Crupi, Alina Caddemi, Vera Marković, and Dominique M.M.-P. Schreurs, “A review on the artificial neural network applications for small-signal modeling of microwave FETs,” International Journal of Numerical Modeling: Electronic Networks, Devices and Fields, Special Issue: Devices and Circuits for Millimeter Wave and THz Applications, vol. 33, no. 3, May/June 2020, e2668 (M23) |
| 5 | Maria Gabriela Xibilia, Mariangela Latino, Zlatica Marinković, Aleksandar Atanasković, Nicola Donato, “Soft sensors based on deep neural networks for applications in security and safety”, IEEE Transactions on Instrumentation and Measurement, vol. 69, no. 10, pp. 7869-7876, Oct. 2020 (M21). |
| 6 | Zlatica Marinković, Giovanni Gugliandolo, Mariangela Latino, Giuseppe Campobello, Giovanni Crupi, Nicola Donato, “Characterization and neural modeling of a microwave gas sensor for oxygen detection aimed at healthcare applications,” Sensors, vol. 20, no. 24, 7150, Dec. 2020. (M21) |
| 7 | Zlatica Marinković, Biljana P. Stošić, “Applications of artificial neural networks for calculation of the Erlang B formula and its inverses,” Engineering Reports, vol. 5, no. 9, September 2023, e12647. (M22) |
| 8 | Jacopo Iannacci, Girolamo Tagliapietra, Zlatica Marinković, Koushik Guha, Srinivasa Rao Karumuri, Irene Dal Chiele, and Massimo Donelli, ”Simple and fast modelling of radio frequency passives in view of beyond-5G and 6G applications: case |

| | |
|---|---|
| | study of an RF-MEMS multi-state network described by an equivalent lumped element network", Microsystem Technologies, June 2024. (M22) |
| 9 | Stefan Tomić, Vera Marković, Zlatica Marinković, „Trendovi u primeni indoor sistema u mobilnim komunikacijama", XXXII simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju – PosTel 2014, Beograd, 2-3. Decembar 2014, pp. 199-208. |
| 10 | Zlatica Marinković, Miloš Mitić, Nebojša Dončov, „FiWi i LiFi širokopojasne mreže za pristup", XXXV simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju – PosTel 2017, Beograd, 5-6. decembar 2017, pp. 171-180. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 640 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 37 | Number of international projects at which the lecturer currently participates | 1 |

**Specializations**

Visiting researcher at the University of Messina, Italy, 2009 and 2010. Three-month research stay at the University of L'Aquila, Italy, 2013. Multiple study/research stays at foreign universities within the framework of the DAAD and Erasmus programs.

**Other data considered relevant**

License of responsible designer of telecommunications networks and systems (member of the Serbian Chamber of Engineers). Textbooks: (1) Zlatica D. Marinković, Biljana P. Stošić, Aleksandar S. Atanasković, Zoran Ž.Stanković, Nebojša S. Dončov, "Collection of Solved Problems in Cable and Optoelectronic Communication Systems (In Serbian)", Faculty of Electronic Engineering Niš, 2017. (2) Zlatica Marinković, Zoran Stanković, "Artificial Neural Networks with Applications in Radiocommunication Systems (in Serbian)", Faculty of Electronic Engineering Niš, 2022.

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Milić N. 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** | | | Telecommunications | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2016 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| PhD | 2005 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | | |
| Magister | 2002 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Master | | | | | |
| Diploma | 1997 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK7B03 | VoIP | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK5A05 | Wireless Communication Technologies | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK8O01 | Security and Protection of Telecommunications Transmission | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK5A01 | Internet of Things | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK7A03 | Creative Laboratory | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEU8B08 | Cryptography in Industrial Control System Security | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK6O04 | Laboratory Paracticum | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK5A04 | M2M Communications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK8A07 | Advanced RF IC for Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 10 | 4OEK6O03 | Optical Communications | L | Electrical Engineering and Computer Science | BAS |
| 11 | 4OEK5A02 | Programming on development platforms | L | Electrical Engineering and Computer Science | BAS |
| 12 | 4OEM8A06 | Sensor Networks Protocols | L, OFE | Electrical Engineering and Computer Science | BAS |
| 13 | 4OEK8A09 | Design of Telecommunication Systems | L | Electrical Engineering and Computer Science | BAS |
| 14 | 4OEK7C02 | Radar Technology and Radiolocation | L | Electrical Engineering and Computer Science | BAS |
| 15 | 4OEK6A01 | Software-hardware Interface in Communication Platforms | L, OFE | Electrical Engineering and Computer Science | BAS |
| 16 | 4OEU5A07 | Introduction to Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 17 | 4OEK8A02 | Broadband Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 18 | 4MKK2O01 | Big data analysis | L | Communications and Information Technologies | MAS |
| 19 | 4MKK1B01 | Next generation mobile systems | L | Communications and Information Technologies | MAS |
| 20 | 4MKK2A01 | Computing for IoT Communications | L | Communications and Information Technologies | MAS |
| 21 | 4MKK2A03 | Telecommunications and information technologies in telemedicine | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Ivan Radojkovic, Jelena Anastasov, Dejan N. Milic, Predrag Ivaniš, Goran T. Djordjevic, "Secrecy Analysis of LEO Satellite-to-Ground Station Communication System Influenced by Gamma-Shadowed Ricean Fading", Electronics, vol. 14, no. 293, January 2025, ISSN: 2079-9292, DOI: 10.3390/electronics14020293, (IF2023=2.6) M22 (SCIe) https://www.mdpi.com/2079-9292/14/2/293 |
| 2 | Aleksandra Panajotovic, Jelena Anastasov, Nikola Sekulovic, Dejan Milic, Daniela Milovic, Nenad Milosevic, "Sum Rate Analysis of Downlink NOMA over α-F Fading Channels", Radioengineering, vol. 33, no. 4, pp. 619-628, December 2024, IF2024=0.7, M23, (SCI), DOI: 10.13164/re.2024.0619, ISSN 1210-2512 (Print), ISSN 1805-9600 (Online) |
| 3 | Jelena Anastasov, Aleksandra Cvetković, Aleksandra Panajotović, Daniela Milović, Dejan N. Milić, Nenad Milošević, "Physical Layer Security of Ground-to-UAV Communication in the Presence of an Aerial Eavesdropper Outside the Guard Zone", Wireless Personal Communications, Springer, Vol. 138, pp. 1597–1614, September 2024. IF2023=1.9, M23, (SCIe). DOI: 10.1007/s11277-024-11562-w, Print ISSN: 0929-6212, Online ISSN: 1572-834X |
| 4 | Dragana Krstic, Suad Suljovic, Goran Djordjevic, Nenad Petrovic, Dejan N. Milic, "MDE and LLM Synergy for Network Experimentation: Case Analysis of Wireless System Performance in Beaulieu-Xie Fading and κ-μ Co-Channel Interference Environment with Diversity Combining", Sensors, vol. 24, no. 10, 3037, pp. 1-30, May 2024. (IF2022=3.9) M22 (SCIe) ISSN: 1424-8220, DOI: 10.3390/s24103037 |
| 5 | Aleksandra S. Panajotović, Jelena A. Anastasov, Dejan N. Milić, Daniela M. Milović, Nenad D. Milošević, "On the Performance Analysis for Paired Users NOMA Downlink over α-F Fading Channels", China Communications, Jan. 2024, ISSN 1673-5447, CN 11-5439/TN, DOI: 10.23919/JCC.ja.2022-0671 (IF2022=4.1) M22 (SCIe) First online: http://www.cic-chinacommunications.cn/EN/10.23919/JCC.ja.2022-0671 |
| 6 | Goran T. Djordjevic, Dejan N. Milic, Bata Vasic, Jarosław Makal, and Bane Vasic, "On the Effect of Imperfect Reference Signal Phase Recovery on Performance of PSK System Influenced by TWDP Fading", Entropy, vol. 25, no. 9, 1341, pp. 1-17, September 2023. (IF2022=2.7) M22 (SCIe), ISSN, EISSN: 1099-4300, DOI: 10.3390/e25091341 |
| 7 | Dejan N. Milić; Emilie Avignon-Meseldzija, Jelena Anastasov, Hanane Meliani, Aziz Benlarbi-Delai, “A Robust Algorithm for the Design of Wideband Positive-Slope Linear Group Delay Filters”, IEEE Transactions on Circuits and Systems--I. Regular Papers, vol. 69, no. 10, pp. 4258 - 4271, DOI: 10.1109/TCSI.2022.3183787, June 2022. (IF2022=5.1) M21 (SCIe) https://ieeexplore.ieee.org/document/9803870 |
| 8 | Danijela A. Aleksic, Aleksandar M. Kovacevic, Jelena A. Anastasov, and Dejan N. Milic. "Experimental measurement and SIR statistical analysis of wireless diversity reception over κ–μ fading channels." Measurement 217 (2023): 113048. ISSN: 0263-2241, EISSN: 1873-412X, DOI: 10.1016/j.measurement.2023.113048, (IF2022=5.6) M21 (SCIe) https://www.sciencedirect.com/science/article/abs/pii/S0263224123006127 |
| 9 | Zvezdan Marjanović, Dejan N. Milić, Goran T. Đorđević, "Estimation of Truncation Error in Statistical Description of Communication Signals over mm-Wave Channels", Axioms 11, no. 10: 569, Oct. 2022. DOI: 10.3390/axioms11100569, (IF2022=2.0) M21 Q1 (SCIe) https://www.mdpi.com/2075-1680/11/10/569 |
| 10 | Danijel Đošić, Dejan Milić, Nataša Kontrec, Časlav Stefanović, Srđan Milosavljević, and Dušan M. Stefanović. "Analytical performance analysis of the M2M wireless link with an antenna selection system over interference limited dissimilar composite fading environments." International Journal of Applied Mathematics and Computer Science 32, no. 4 (2022): 569-582. ISSN: 1641-876X, EISSN: 2083-8492, DOI: 10.34768/amcs-2022-0040, (IF2021=2.157) M21 (SCIe) https://sciendo.com/it/article/10.34768/amcs-2022-0040 |

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

| | | | |
|---|---|---|---|
| Total number of citations | | Number of domestic projects at which the lecturer currently participates | |
| Total number of papers on the SCI (SSCI) list | | Number of international projects at which the lecturer currently participates | |

**Specializations**

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**Other data considered relevant**

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

| | |
|---|---|
| **Last name, middle letter, first name** | Milošević D. Nenad |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2023 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 2000 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1997 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK5A01 | Internet of Things | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK5O04 | Networks and Protocols | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK3O02 | Fundamentals of Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK5A02 | Programming on development platforms | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEM8A06 | Sensor Networks Protocols | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK8O02 | Contemporary Laboratory | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK7B01 | Sensor Networks | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEZ1O05 | Introduction to Engineering | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKK2A04 | Cognitive Radio | L | Communications and Information Technologies | MAS |
| 10 | 4MKK1O01 | Principles of Software Radio | L | Communications and Information Technologies | MAS |
| 11 | 4MEP2A03 | Powerline Telecommunications | L, E | Electrical Power Engineering | MAS |

**Representative references (at minimum 5, not more than 10)**


| | |
|---|---|
| 1 | Bojana Nikolić, Bojan Dimitrijević, Nenad Milošević, Goran T. Đorđević, "Comparative analysis of performances of the EGC diversity receiver obtained in simulated environment and in realistic conditions on USRP hardware," Proceedings of papers TELFOR 2011 on CD, Belgrade, Serbia, November 2011, pp. 3-6, DOI: 10.1109/TELFOR.2011.6143878 |
| 2 | Nenad Milošević, Zorica Nikolić, Filip Jelenković, Valentina Nejković, Milorad Tošić, "Spectrum Sensing Experimentation for LTE and WiFi Unlicensed Band Operation," Telfor Journal, vol. 8, no. 2, 2016, pp. 76-80, ISSN 1821-3251, DOI: 10.5937/telfor1602076M |
| 3 | Valentina Nejković, Filip Jelenković, Milorad Tošić, Nenad Milošević, Zorica Nikolić, "CoordSS: An Ontology Framework for Heterogeneous Networks Experimentation," Telfor Journal, vol. 8, no. 2, 2016, pp. 70-75, ISSN 1821-3251, DOI: 10.5937/telfor1602070N |
| 4 | Nenad Milošević, Zorica Nikolić, Predrag Petrović, "Dynamic Resource Allocation Protocols for 4G Mobile Networks," Proceedings of ICEST 2009, Veliko Tarnovo, Bulgaria, June 2009, pp. 643-646 |
| 5 | Milorad Tošić, Valentina Nejković, Filip Jelenković, Nenad Milošević, Zorica Nikolić, Nikos Makris, Thanasis Korakis, "Semantic coordination protocol for LTE and Wi-Fi coexistence," Proceedings of papers European Conference on Networks and Communications (EuCNC) 2016, Athens, Greece, June 2016, pp. 69-73, DOI: 10.1109/EuCNC.2016.7561007 |
| 6 | Srđan Maričić, Dejan Milić, Nenad Milošević, Jelena Anastasov, Petar Čisar, "Asymptotic Analysis of Physical Layer Security versus Reliability in IoT Wireless Transmission," Proceedings of papers TELSIKS 2021, Niš, Serbia, 20-22 October 2021, pp. 311-314, DOI: 10.1109/TELSIKS52058.2021.9606421. |
| 7 | Addanki Prathima, Devendra S. Gurjar, Suneel Yadav, Dragana Krstić, Nenad Milošević, Jugoslav Joković, "UAV-Assisted Wireless Information and Power Transfer for Self-Sustained IoT Communications," IEEE Sensors Journal, vol. 22, no. 24, 2022, pp. 24593-24606, ISSN 1530-437X, DOI: 10.1109/JSEN.2022.3218269. |

| | |
|---|---|
| 8 | Nenad Milošević, Milica Petković, Goran T. Đorđević, "Average BER of SIM-DPSK FSO System With Multiple Receivers over M-Distributed Atmospheric Channel With Pointing Errors," IEEE Photonics Journal, IEEE Photonics Society, vol. 9, no. 4, 2017, pp. 1-10, ISSN 1943-0655, DOI: 10.1109/JPHOT.2017.2710320 |
| 9 | Goran T. Đorđević, Milica Petković, Nenad Milošević, Bane Vasić, "Error Performance of DDPSK Receiver in the Presence of Composite Fading," IEEE Access, IEEE, vol. 13, pp. 98066 – 98075, 2025, ISSN 2169-3536, DOI: 10.1109/ACCESS.2025.3576058. |
| 10 | Aleksandra Panajotović, Jelena Anastasov, Nikola Sekulović, Dejan Milić, Daniela Milović, Nenad Milošević, "Sum Rate Analysis of Downlink NOMA over α-F Fading Channels," Radioengineering, vol. 33, no. 4, 2024, pp. 619-628, ISSN 1210-2512, DOI: 10.13164/re.2024.0619 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 356 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 32 | Number of international projects at which the lecturer currently participates | 1 |

**Specializations**

**Other data considered relevant**

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

| | | | | | |
|---|---|---|---|---|---|
| **Last name, middle letter, first name** | | | Milović M. Daniela | | |
| **Title** | | | Full professor | | |
| **The name of the institution in which the lecturer works full or part time and since when** | | | University of Niš, Faculty of Electronic Engineering | | |
| **Specific scientific field** | | | Telecommunications | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2014 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| PhD | 2003 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | | |
| Magister | 1999 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Telecommunications |
| Master | | | | | |
| Diploma | 1995 | 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 | 4OEK5A05 | Wireless Communication Technologies | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK8O01 | Security and Protection of Telecommunications Transmission | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEU8B08 | Cryptography in Industrial Control System Security | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK6O04 | Laboratory Paracticum | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK6O03 | Optical Communications | L, OFE | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK7C01 | Optical networks | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK8A09 | Design of Telecommunication Systems | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK8A05 | Random processes in telecommunication systems | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK8A02 | Broadband Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 10 | 4MKK2O01 | Big data analysis | L | Communications and Information Technologies | MAS |
| 11 | 4MKK1B01 | Next generation mobile systems | L | Communications and Information Technologies | MAS |
| 12 | 4MKK2A05 | Advanced MIMO Systems | L | Communications and Information Technologies | MAS |
| 13 | 4MKK2A02 | Nonlinear Fiber Optics | L | Communications and Information Technologies | MAS |
| 14 | 4MKK2A03 | Telecommunications and information technologies in telemedicine | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | J. A. Anastasov, A. M. Cvetković, D. M. Milović, Dejan N. Milić, Goran T. Đorđević, “On physical layer security in WSN over GK fading channels during intercept events“, Telecommunication Systems, vol. 74, pp. 95-102, 2020, published online 5 December 2019, Print ISSN 1018-4864, DOI: 10.1007/s11235-019-00638-9, IF2017= 1.527, M22 |
| 2 | A. S. Panajotovic, N. M. Sekulovic, A. M. Cvetkovic, D. M. Milovic “System performance analysis of cooperative multihop relaying network applying approximation to dual-hop relaying network“, International Journal of Communication Systems, vol. 33, no. 14, 2020, ISSN: 1074-5351, DOI: 10.1002/dac.4476, IF2020= 2.047, M23 |
| 3 | N. Milošević, J. Anastasov, A. Cvetković, D. Milović, D. Milić, “On the Intercept Probability of DF Relaying Wireless Communication“, Wireless Personal Communications, vol. 104, no. 4, 2019, pp. 1523-1533, ISSN: 0929-6212, DOI: 10.1007/s11277-018-6096-4, IF2020= 1.671, M23 |
| 4 | A. Panajotović, J. Anastasov, D. Milić, D. Milović, Nenad Milošević, “On the performance analysis for paired users NOMA downlink over α-F fading channels“, China Communications, letter of acceptance from the 15th January, published online, DOI: 10.23919/JCC.ja.2022-0671, 2024., IF2022=4.1, M22 |
| 5 | A. Panajotović, J. Anastasov, N. Sekulović, D. Milić, D. Milović, N. Milošević, “Sum Rate Analysis of Downlink NOMA over α-F Fading Channels“, Radioengineering, vol. 33, no. 4, 2024., pp. 619-628, ISSN 1210-2512, DOI: 10.13164/re.2024.0619, IF 2022=1.1, M23 |

| | |
|---|---|
| 6 | A. H. Arnous, A. Biswas, A. H. Kara, D. Milovic, Y. Yıldırım, H. M. Alshehri “Sequel to cubic-quartic optical soliton perturbation with complex Ginzburg–Landau equation by the enhanced Kudryashov's method“, IET Optoelectronics, vol. 16, no. 4, pp. 149–159, 2022, DOI: 10.1049/ote2.12065, IF2022= 1.691, M23 |
| 7 | H. Kaur, S. Pathania, A. Goyal, C.N. Kumar, D. Milovic, “Phase modulated domain walls and dark solitons for surface gravity waves“, Physics Letters A, vol. 395, 127227, 16 April 2021, ISSN 0375-9601, DOI: 10.1016/j.physleta.2021.127227, IF2020= 1.950, M22 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 2689 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 47 | Number of international projects at which the lecturer currently participates | 0 |

**Specializations**

**Other data considered relevant**

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

| | |
|---|---|
| **Last name, middle letter, first name** | Nikolić R. Jelena |
| **Title** | Associate professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2020 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2011 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 2006 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 2003 | 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 | 4OEK6B02 | Data Analysis and Compression | L, E | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK6B03 | Speech Communications | L, OFE | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK7O01 | Digital Signal Processing | L, E | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK8A08 | Digital Image Processing | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK8A04 | Mathematical Foundations of Statistical Learning | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK6A02 | Machine Learning 1 | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK8A06 | Machine Learning 2 | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK4O03 | Introduction to Digital Communications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKK1O02 | Artificial Intelligence - Chosen Chapters | L | Communications and Information Technologies | MAS |
| 10 | 4MKK1C03 | Speech Synthesis and Recognition | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Jelena R. Nikolic, Zoran H. Peric, Aleksandra Z. Jovanovic, Stefan S. Tomic, Sofija Z. Peric, "Performance Analysis of Two 8-Bit Floating-Point-based Piecewise Uniform Quantizers for a Laplacian Data Source", Elektronika Ir Elektrotechnika, Vol. 31, No. 1, pp. 56-61, 2025, ISSN 1392-1215 (M23 IF2023=0.9, IF5god=0.8). https://doi.org/10.5755/j02.eie.37430 |
| 2 | Jelena Nikolić, Stefan Tomić, Zoran Perić, Aleksandra Jovanović, Danijela Aleksić, "Accuracy Degradation Aware Bit Rate Allocation for Layer-Wise Uniform Quantization of Weights in Neural Network", Journal of Electrical Engineering, Vol. 75, No. 6, pp. 425-434, 2024, ISSN 1335-3632, eISSN 1339-309X (M23 IF2023=1.0, IF5god=0.9). https://doi.org/10.2478/jee-2024-0051 |
| 3 | Jelena Nikolic, Zoran Peric, Stefan Tomic, Aleksandra Jovanovic, Danijela Aleksic, Sofija Peric, "Comparative Analysis of the Robustness of 3-bit PoTQ and UQ and their Application in Post-Training Quantization", Advances in Electrical and Computer Engineering, Vol. 24, No. 4, 2024, pp. 47-56, 2024, ISSN 1582-7445 (M23 IF2023=0.7, IF5god=0.7). https://doi.org/10.4316/AECE.2024.04005 |
| 4 | Jelena Nikolić, Zoran Perić, Aleksandra Jovanović, ""Two Forward Adaptive Dual-mode Companding Scalar Quantizers for Gaussian Source"", Signal Processing, Elsevier, Vol. 120, pp. 129 140, 2016, ISSN 0165-1684 (M21, IF=3.110, IF5god=3.001). https://doi.org/10.1016/j.sigpro.2015.08.016 |
| 5 | Stefan Tomić, Jelena Nikolić, Zoran Perić, Danijela Aleksić, "Performance of Post-training Two-bits Uniform and Layer-Wise Uniform Quantization for MNIST Dataset from the Perspective of Support Region Choice", Mathematical Problems in Engineering, Vol. 2022, Article ID 1463094, 15 pages, 2022, ISSN 1024-123x (M23, IF 2021=1.430, IF5god=1.393). https://doi.org/10.1155/2022/1463094 |
| 6 | Jelena Nikolić, Zoran Perić, Danijela Aleksić, Stefan Tomić, Aleksandra Jovanović, ""Whether the Support Region of Three-Bit Uniform Quantizer Has a Strong Impact on Post-Training Quantization for MNIST Dataset?"" Entropy, MDPI, Vol. 23, No. 12, 1699, 2021, ISSN 1099-4300 (M22, IF=2.738, IF5god=2.642). https://doi.org/10.3390/e23121699 |

| | |
|---|---|
| 7 | Jelena Nikolić, Danijela Aleksić, Zoran Perić, Milan Dinčić, ""Iterative Algorithm for Parameterization of Two-Region Piecewise Uniform Quantizer for the Laplacian Source,"" Mathematics, MDPI, Vol. 9, No. 23, 3091, 2021, ISSN 2227-7390 (M21a, IF=2.592, IF5god=2.542). https://doi.org/10.3390/math9233091 |
| 8 | Stefan S. Tomić, Zoran H. Perić, Jelena R. Nikolić, "An Algorithm for Simple Differential Speech Coding Based on Backward Adaptation Technique", Informatica, IOS Press, Vol. 29, No. 3, pp. 539 553, 2018, ISSN 0868 4952 (M21a, IF 2019 =3.312, IF5god=2.351). https://doi.org/10.15388/Informatica.2018.180 |
| 9 | Vlado Delić, Zoran Perić, Milan Sečujski, Nikša Jakovljević, Jelena Nikolić, Dragiša Mišković, Nikola Simić, Siniša Suzić, Tijana Delić, "Speech Technology Progress Based on New Machine Learning Paradigm", Computational Intelligence and Neuroscience, Vol. 2019, Article ID 4368036, 19 pages, 2019, ISSN 1687 5265 (M22, IF=2.284, IF5god=2.197). https://doi.org/10.1155/2019/4368036 |
| 10 | Zoran Perić, Nikola Simić, Jelena Nikolić, "Design of Single and Dual-mode Companding Scalar Quantizers Based on Piecewise Linear Approximation of the Gaussian PDF", Journal of the Franklin Institute: Engineering and Applied Mathematics, Elsevier, Vol. 357, No. 9, pp. 5663-5679, 2020, ISSN 0016 0032 (M21a, IF=4.504, IF5god=4.339). https://doi.org/10.1016/j.jfranklin.2020.04.008 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 312 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 59 | 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** | | | Nikolić R. Tatjana | | |
| **Title** | | | Full professor | | |
| **The name of the institution in which the lecturer works full or part time and since when** | | | University of Niš, Faculty of Electronic Engineering | | |
| **Specific scientific field** | | | Electronics | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2021 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| PhD | 2010 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| Specialization | | | | | |
| Magister | 2005 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics |
| Master | | | | | |
| Diploma | 2000 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics and Telecommunications |
| **List of courses the teacher is accredited to teach at the first or second cycle of studies.** | | | | | |
| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
| 1 | 4OEE8O03 | Embedded Systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEE8B03 | Internet of Things | L, E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEE4O01 | Microprocessor Systems | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEE5O02 | Computer Networks | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4MEE1A01 | DSP Algorithms and Programming | L, E, OFE | Electronics and Embedded Systems | MAS |
| 6 | 4MEE2A05 | Embedded Operating Systems | L, E, OFE | Electronics and Embedded Systems | MAS |
| 7 | 4MUA2B05 | Embedded Systems | L, E | Control Systems | MAS |
| 8 | 4MEE1A17 | Advanced Microprocessor Systems | L, E, OFE | Electronics and Embedded Systems | MAS |
| **Representative references (at minimum 5, not more than 10)** | | | | | |
| 1 | Tatjana R. Nikolic, Goran S. Nikolic, Goran Lj. Djordjevic, “Distributed arbitration scheme for on-chip CDMA bus with dynamic codeword assignment”, ETRI Journal / Electronics and Telecommunications Research Institute, Vol. 43, Issue 3, June 2021, pp. 471-482, ISSN: 2233-7326, https://doi.org/10.4218/etrij.2020-0016 | | | | |
| 2 | Tatjana R. Nikolic, Sandra M. Djosic, Goran S. Nikolic, Goran Lj. Djordjevic, “Token Ring Arbitration Scheme for On-Chip CDMA Bus Architectures”, Microelectronics Journal, Volume 106, December 2020, Article 104923, https://doi.org/10.1016/j.mejo.2020.104923 | | | | |
| 3 | Goran S. Nikolić, Tatjana R. Nikolić, Goran Lj. Djordjević, "Adaptive Control Based on LMS Algorithm for Grid-Connected Inverters", Electric Power Components and Systems, 51:7, 2023, 656-668, DOI: 10.1080/15325008.2023.2180815 | | | | |
| 4 | Sandra Djosic, Igor Stojanovic, Milica Jovanovic, Tatjana Nikolic, Goran Lj. Djordjevic, “Fingerprinting-assisted UWB-based localization technique for complex indoor environments”, Expert Systems with Applications, Volume 167, 2021, 114188, ISSN 0957-4174, https://doi.org/10.1016/j.eswa.2020.114188 | | | | |
| 5 | Goran S. Nikolic, Mile K. Stojcev, Tatjana R. Nikolic, Branislav D. Petrovic, Goran S. Jovanovic, Bojan R. Dimitrijevic, “Implementation and evaluation of 2D SEC-DED forward error correction scheme in wireless sensor networks”, Microelectronics Reliability, Volume 78, November 2017, pp 161-180, ISSN: 0026-2714, 2017 Elsevier Ltd., http://dx.doi.org/10.1016/j.microrel.2017.08.010 | | | | |
| 6 | Goran S. Nikolic, Mile K. Stojcev, Tatjana R. Nikolic, Branislav D. Petrovic, Goran S. Jovanovic, “Reliable data transfer Rendezvous protocol in wireless sensor networks using 2D-SEC-DED encoding technique”, Microelectronics Reliability, Volume 65, October 2016, pp 289-309, ISSN:0026-2714, 2017 Elsevier Ltd., https://doi.org/10.1016/j.microrel.2016.08.017 | | | | |
| 7 | Tatjana R. Nikolic, Goran S. Nikolic, Goran Lj. Djordjevic, Mile K. Stojcev, “Improving fault-tolerance capability of on-chip binary CDMA bus”, The Journal of Supercomputing, Volume 72, Issue 1, January 2016, pp. 275-294, ISSN: 0920-8542, DOI: 10.1007/s11227-015-1513-x | | | | |
| 8 | Goran Nikolić, Bojan Dimitrijević, Tatjana Nikolić, Mile Stojčev, "Fifty Years of Microprocessor Evolution: From Single CPU to Multicore and Manycore Systems", Facta Universitatis, Series: Electronics and Energetics, Vol. 35, No 2, June 2022, pp. 155-186, https://doi.org/10.2298/FUEE2202155N | | | | |
| 9 | Nedeljković Jelena, Nikolić Goran, Anđelković Marko, Nikolić Tatjana, “Software implemented implication-based online error detection”, Proceedings of 59th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST2024), Sozopol, Bulgaria, July 1-3, 2024, pp. 189-192 | | | | |
| 10 | M. Andjelkovic, R. T. Syed, M. Pavlovic, F. Vargas, T. Nikolic, G. Ristic, M. Krstic, "Voltage Glitch Filter and Detector with Self-Checking Capability for FPGA Implementation", Proceedings of IEEE 33rd International Conference on Microelectronics (MIEL2023), Niš, Serbia, October 16th-18th, 2023, pp. 143-146 | | | | |
| **Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer** | | | | | |

| | | | |
|---|---|---|---|
| Total number of citations | 260 | 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** | | | |
| | | | |

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

| | |
|---|---|
| **Last name, middle letter, first name** | Panajotović S. Aleksandra |
| **Title** | Assistant professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2021 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telcommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telcommunications |
| Specialization | | | | |
| Magister | 2003 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telcommunications |
| Master | | | | |
| Diploma | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telcommunications |

**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 | 4OEK7B03 | VoIP | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK5A05 | Wireless Communication Technologies | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK8O01 | Security and Protection of Telecommunications Transmission | E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK5O02 | Digital Communications | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEU8B08 | Cryptography in Industrial Control System Security | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK6O04 | Laboratory Paracticum | OFE | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK7C01 | Optical networks | E, OFE | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK3O02 | Fundamentals of Telecommunications | OFE | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK8O02 | Contemporary Laboratory | L, OFE | Electrical Engineering and Computer Science | BAS |
| 10 | 4OEK7C04 | Satellite Telecommunications | E, OFE | Electrical Engineering and Computer Science | BAS |
| 11 | 4OEK8A02 | Broadband Telecommunications | E, OFE | Electrical Engineering and Computer Science | BAS |
| 12 | 4MKK2A04 | Cognitive Radio | OFE | Communications and Information Technologies | MAS |
| 13 | 4MKK1B01 | Next generation mobile systems | E | Communications and Information Technologies | MAS |
| 14 | 4MKK2A05 | Advanced MIMO Systems | L, E | Communications and Information Technologies | MAS |
| 15 | 4MKK1O01 | Principles of Software Radio | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Mihajlo Stefanović, Dragan Drača, Aleksandra Panajotović, Daniela Milović, “Individual and Joint Influence of Second- and Third-Order Dispersion on Transmission Quality in the Presence of Coherent Interference”, OPTIK, published by Urban and Fischer-Elsevier GmbH, Amsterdan, Netherlands (Elsevier), vol. 120, no. 13, pp. 636-641, 2009, ISSN 0030-4026. DOI: 10.1016/j.ijleo.2008.02.009 |
| 2 | Aleksandra Panajotović, Mihajlo Stefanović, Dragan Drača, “Effect of Microdiversity and Macrodiversity on Average Bit Error Probability in Shadowed Fading Channels in the Presence of Interference“, ETRI Journal, published by Electronics and Telecommunications Research Institute, Daejeon, Republic of Korea (Wiley), vol. 31, no. 5, pp. 500-505, 2009, ISSN 1225-6463. DOI: 10.4218/etrij.09.0109.0011 |
| 3 | Aleksandra Panajotović, Mihajlo Stefanović, Dragan Drača, Nikola Sekulović, “Average Level Crossing Rate of Dual Selection Diversity in Correlated Rician Fading with Rayleigh Cochannel Interference”, IEEE Communication Letters, published by Institute of Electrical and Electronics Engineerings, New York, USA, vol. 14, no. 7, pp. 605-607, 2010, ISSN 1089-7798. DOI: 10.1109/LCOMM.2010.07.100107 |
| 4 | Aleksandra Panajotović, Mihajlo Stefanović, Dragan Drača, “Cochannel Interference Effect on BEP Performance of SSC |

| | |
|---|---|
| | Receiver in Correlated Rician Fading", Journal of the Franklin Institute, published by Elsevier GmbH, Amsterdan, Netherlands vol. 347, no. 7, pp. 1242-1252, 2010, ISSN 0016-0032. DOI: 10.1016/j.jfranklin.2010.05.017 |
| 5 | Aleksandra Panajotović, Felip Riera-Palou, Guillem Femenias, "GMD-enhanced MU-MIMO for IEEE802.11ac", Proceedings of Wireless Days Conference-WD 2013, IEEE Communication Society, pp. 1-4, Valencia, Spain, 13-15 Nov. 2013, ISBN 978-1-4799-0543-0. |
| 6 | Aleksandra Panajotović, Felip Riera-Palou, Guillem Femenias, "Adaptive Uniform Channel Decomposition in MU-MIMO-OFDM Application to IEEE 802.11ac", IEEE Transactions on Wireless Communications, published by Institute of Electrical and Electronics Engineerings, vol. 14, no.5, pp. 2896-2910, ISSN: 1536-1276, 2015. DOI: 10.1109/TWC.2015.2396513 |
| 7 | Aleksandra Panajotović, Nikola Sekulović, Aleksandra Cvetković, Daniela Milović, "System Performance Analysis of Cooperative Multihop Relaying Network Applying Approximation to Dual-hop Relaying Network", International Journal of Communication Systems, published by John Wiley & Sons, New York, USA, vol. 33, no. 14, pp. 1 – 10, ISSN: 1074-5351, DOI: 10.1002/dac.4476, 2020. |
| 8 | Nikola Sekulović, Miloš Banđur, Aleksandra Panajotović, "An Approach for User Grouping and Power Allocation for Dwnlink NOMA in a Cellular Wireless System", Telecommunication Systems published by Springer, vol. 87, pp. 679-689, DOI: 10.1007/s11235-024-01207-5, 2024. |
| 9 | Jelena Anastasov, Aleksandra Cvetković, Aleksandra Panajotović, Daniela Milović, Dejan Milić, Nenad Milošević, "Physical Layer Security of Gound-to-UAV Communication in the Presence of an Aerial Eavesdropper Outside the Guard Zone", Wireless Personal Communications, published by Springer, vol. 138, pp. 1597-1614, ISSN: 0929-6212, DOI: 10.1007/s11277-024-11562-w, 2024. |
| 10 | Aleksandra Panajotović, Jelena Anastasov, Nikola Sekulović, Dejan Milić, Daniela Milović, Nenad Milošević, "Sum Rate Analysis of Downlink NOVA over α-F Fading Channels", Radioengineering, published by Brno University of Technology, vol. 33, no. 4, pp. 619-628, DOI: 10.13164/re.2024.0619, 2024. |

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

| | | | |
|---|---|---|---|
| Total number of citations | 162 | 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 | 1 |

**Specializations**

Post PhD placement at University of the Balearic Islands (Spain) starting 01. 12.2012. and ending 30.09.2013. - mentors prof. dr Guillem Femenias and prof. dr Felip Riera-Palou

**Other data considered relevant**

Short Term Visiting Profesor at University of the Balearic Islands (Spain) for the period 01.09.2014. - 30.11.2014.
Guest lecturer at Bialystok University of Technology (Poland) for the period 13.05.2018. -19.05.2018.
Attended course „English as a Medium of Instruction (EMI): Training Course for University and College Teachers" organized in 2018. under the auspices of University of Niš and FUSE project
Attended course „Study in Serbia - Internationalization of the Higher Education Institution" organized in 2019. under the auspices of University of Niš and TEMPUS
Summer Study Program „Technologies and Materials for Wireless Communication", IHP Institut, Frankfurt (Oder), Germany, 2006.

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

| | |
|---|---|
| **Last name, middle letter, first name** | Perić H. Zoran |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2010 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 1999 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1994 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1989 | 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 | 4OEK6B02 | Data Analysis and Compression | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK8A08 | Digital Image Processing | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK5O02 | Digital Communications | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK8A04 | Mathematical Foundations of Statistical Learning | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK6A02 | Machine Learning 1 | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK8A06 | Machine Learning 2 | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK4O03 | Introduction to Digital Communications | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEU5A07 | Introduction to Telecommunications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MKK1O02 | Artificial Intelligence - Chosen Chapters | L | Communications and Information Technologies | MAS |
| 10 | 4MKK1C01 | Advanced Coding Techniques | L | Communications and Information Technologies | MAS |
| 11 | 4MKK1C03 | Speech Synthesis and Recognition | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**


| | |
|---|---|
| 1 | Zoran Perić, Danijela Aleksić, Jelena Nikolić, Stefan Tomić, “Two Novel Non-Uniform Quantizers with Application in Post-Training Quantization”, Mathematics, vol. 10, no. 19, Article ID: 3435, 2022. DOI: https://doi.org/10.3390/math10193435 |
| 2 | Aleksandra Jovanović, Ivan Djordjevic, Zoran Perić, Slobodan Vlajkov: Circularly Symmetric Companding Quantization-Inspired Hybrid Constellation Shaping for APSK Modulation to Increase Power Efficiency in Gaussian-Noise-Limited Channel”, IEEE Access, vol. 9, pp. 4072 – 4083, 2021. DOI: 0.1109/ACCESS.2020.3047681 |
| 3 | Zoran Perić, Nikola Simić, Jelena Nikolić, “Design of Single and Dual-Mode Companding Scalar Quantizers Based on Piecewise Linear Approximation of the Gaussian PDF”, Journal of the Franklin Institute, vol. 357, no. 9, pp. 5663–5679, 2020. DOI: https://doi.org/10.1016/j.jfranklin.2020.04.008 |
| 4 | Z. Perić, M. Savić, N. Simić, B. Denić, V. Despotović, “Design of a 2-Bit Neural Network Quantizer for Laplacian Source”, Entropy, vol. 14, pp. 594–602, 2020. DOI: https://doi.org/10.3390/e23080933 |
| 5 | Zoran H. Perić, Milan Dincic, "Optimization of the 24-Bit Fixed Point Format for the Laplacian Source", Mathematics, vol. 11, no. 3, Article ID: 568, 2023. DOI: https://doi.org/10.3390/math11030568 |
| 6 | N. Simic, Z. Peric, M. Savic, “Coding algorithm for grayscale images - design of piecewise uniform quantizer with Golomb-Rice code and novel analytical model for performance analysis”, Informatica, Vol. 28, No. 4, pp. 703–724, 2017. Publisher: IOS Press. |
| 7 | N. Simic, Z. Peric, M. Savic, “Image coding algorithm based on Hadamard transform and simple vector quantization”, Multimedia Tools and Applications, 2018, Vol. 77, No. 5, pp 6033–6049. Publisher: Springer-Verlag New York, Inc. |
| 8 | V. Delić, Z. Perić, M. Sečujski, N. Jakovljević, J. Nikolić, D. Mišković, N. Simic, S. Suzić, T. Delić, “Speech technology progress based on new machine learning paradigm“, Computational Intelligence and Neuroscience, Volume 2019, Article ID 4368036, 19 pages |

| | |
|---|---|
| 9 | Zoran H. Perić, Marko D. Petković, Jelena R. Nikolić, Aleksandra Ž. Jovanović, "Support region estimation of the product polar companded quantizer for Gaussian source", Signal Processing, Elsevier, ISSN: 0165-1684, vol. 143, pp. 140 145, February 2018 |
| 10 | Aleksandra Ž. Jovanović, Zoran H. Perić, Jelena R. Nikolić, "An efficient iterative algorithm for designing an asymptotically optimal modified unrestricted uniform polar quantization of bivariate Gaussian random variables", Digital Signal Processing, Elsevier, ISSN 1051-2004, vol. 88, pp. 197-206, May 2019 |

| **Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer** | | | |
|---|---|---|---|
| Total number of citations | 464 | Number of domestic projects at which the lecturer currently participates | 0 |
| Total number of papers on the SCI (SSCI) list | 169 | 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** | | | Perić T. Mirjana | | |
| **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** | | | Theoretical Electrical Engineering | | |
| **Academic career** | | | | | |
| | Year | Institution | | Scientific field | Specific scientific field |
| Election | 2022 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| PhD | 2015 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| Specialization | | | | | |
| Magister | 2006 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| Master | | | | | |
| Diploma | 2000 | University of Niš, Faculty of Electronic Engineering | | Electrical and Computer Engineering | Electronics and Telecommunications |
| **List of courses the teacher is accredited to teach at the first or second cycle of studies.** | | | | | |
| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
| 1 | 4OEP4O03 | Electromagnetics | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEZ1O02 | Fundamentals of Theoretical Electrical Engineering 1 | L, E | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEZ2O03 | Fundamentals of Theoretical Electrical Engineering 2 | L, E, OFE | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK4A01 | Applied Electromagnetics | L, OFE | Electrical Engineering and Computer Science | BAS |
| 5 | 4MKK1B03 | Computational Electromagnetics - Selected Chapters | L | Communications and Information Technologies | MAS |
| **Representative references (at minimum 5, not more than 10)** | | | | | |
| 1 | M. Perić, A. Vučković, N. Raičević, “Quasi-static analyses of microstrip lines with infinitely thin metallization thickness”, Rev. Roum. Sci. Techn., Vol. 70, No. 2, pp. 187-192, 2025, ISSN 0035-4066, DOI: 10.59277/RRST-EE.2025.2.6, [Online] https://journal.iem.pub.ro/rrst-ee/issue/view/45, M23. | | | | |
| 2 | A. Vučković, D. Vučković, M. Perić, B. Ranđelović, “Quantitative Analysis of Magnetic Force of Axial Symmetry Permanent Magnet Structure Using Hybrid Boundary Element Method”, Symmetry 2024, Vol. 16, No. 11, 1495, pp. 1-14, 2024. https://doi.org/10.3390/sym16111495, ISSN: 2073-8994, M22. | | | | |
| 3 | M. Perić, N. Ivković, I. Jovanović, “HBEM analysis of elliptical-shaped microshield lines: parameter effects and simulation validation”, FACTA Universitatis (Series: Electronics and Energetics), Serbia, Vol. 37, No. 2, pp. 343-354, 2024, ISSN: 2217-5997 [Online], https://doi.org/10.2298/FUEE2402343P, M24. | | | | |
| 4 | A. Vučković, M. Perić, S. Ilić, N. Raičević, D. Vučković,”Interaction Magnetic Force of Cuboidal Permanent Magnet and Soft Magnetic Bar using Hybrid Boundary Element Method”, ACES journal, The Applied Computational Electromagnetic Society, Mississippi, USA, Vol. 36, No. 11, pp. 1492-1498, 2021, ISSN 1054-4887, [Online] https://aces-society.org/search.php?vol=36&no=11&type=2, M23. | | | | |
| 5 | M. Perić, S. Ilić, A. Vučković, N. Raičević, “Analyses of Bi-Isotropic Media using Hybrid Boundary Element Method”, ACES journal, The Applied Computational Electromagnetic Society, Mississippi, USA, Vol. 36, No. 10, pp. 1265-1273, 2021, ISSN 1054-4887, [Online] https://aces-society.org/search.php?vol=36&no=10&type=2, M23. | | | | |
| 6 | A. Vučković, D. Vučković, M. Perić, N. Raičević, “Influence of the magnetization vector misalignment on the magnetic force of permanent ring magnet and soft magnetic cylinder”, International Journal of Applied Electromagnetics and Mechanics, IOS Press, Vol. 65, No. 3, pp. 417 – 430, 2021, DOI: 10.3233/JAE-190152, M23. | | | | |
| 7 | M. Perić, S. Ilić, A. Vučković, N. Raičević, “Improving the Efficiency of Hybrid Boundary Element Method for Electrostatic Problems Solving”, ACES journal, The Applied Computational Electromagnetic Society, Mississippi, USA, Vol. 35, No. 8, pp. 872-877, 2020, ISSN 1054-4887, https://doi.org/10.47037/2020.ACES.J.350804, M23. | | | | |
| 8 | N. Ivković, I. Jovanović, M. Perić, A. Vučković, “Prediction of Microstrip Line Characteristic Impedance Using Different Machine Learning Methods”, XVII International SAUM Conference on Systems, Automatic Control and Measurements – SAUM 2024, Niš, Serbia, 14 – 15 November 2024, Faculty of Electronic Engineering of Niš, pp. 153-156, 2024, ISBN 978-86-6125-282-2, DOI: https://doi.org/10.46793/SAUM24.153I. | | | | |
| 9 | I. Jovanović, N. Ivković, M. Perić, A. Vučković, N. Raičević, „HBEM and conformal mapping application for characteristic parameters calculation of two-wire lines“, in Proc. 23rd International Symposium on Electrical Apparatus and Technologies SIELA 2024, Bourgas, Bulgaria, June 12-15, 2024, ISBN 979-8-3503-8236-5, IEEE Catalog Number CFP2428Z-ART, pp. 1-4, doi: 10.1109/SIELA61056.2024.10637879. | | | | |
| 10 | N. Ivković, I. Jovanović, M. Perić and A. Vučković, “Simulation of Helmholtz and Maxwell Coils using FEMM 4.2”, 33rd International Conference on Microelectronics (MIEL), Faculty of Electronic Engineering of Niš, Niš, Serbia, pp. 219-222, October 16-18, 2023, ISBN 979-8-3503-4775-3. | | | | |

| **Cumulative data of scientific, that is artistic and expert activity on the part of the lecturer** | | | |
|---|---|---|---|
| Total number of citations | 25 | Number of domestic projects at which the lecturer currently participates | 0 |
| 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** | | | |
| IEEE member (EMC & MTT societies) | | | |

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

| | |
|---|---|
| **Last name, middle letter, first name** | Pronić-Rančić R. Olivera |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2013 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2002 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 1998 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Master | | | | |
| Diploma | 1993 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Electronics and Telecommunications |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEK6C04 | Short Range Wireless Systems | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK8B01 | Microcontrollers and Applications in Communications | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK5O05 | Microwave Technique | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEM6A02 | Microwave Technique and Electronics | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK7E02 | Smart Systems and IoT | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK6C03 | Microwave Circuit Design | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK6C02 | Broadcasting systems and digital television | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK8O03 | Seminar - System Engineering and Radiocommunications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK4O01 | Software Tools | L | Electrical Engineering and Computer Science | BAS |
| 10 | 4MKS1A09 | IoT services | L | Communications and Information Technologies | MAS |
| 11 | 4MKS1A01 | Microwave and Millimeter Wave Circuit Design | L | Communications and Information Technologies | MAS |
| 12 | 4MKS2A07 | Data Exchange in IoT and Web Systems | L | Communications and Information Technologies | MAS |
| 13 | 4MKS2A01 | Satellite Systems and Services | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Zoran Stanković, Olivera Pronić-Rančić and Nebojša Dončov “Advanced ANN model for DoA Estimation in Smart Textile Wearable Antenna Array Subsystem”, International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2024; 37(1):e3130, (ISSN: 0894-3370, EISSN: 1099-1204) doi: 10.1002/jnm.3130. (M22) |
| 2 | Kristijan Kuk, Aleksandar Stanojević, Petar Čisar, Brankica Popović, Mihailo Jovanović, Zoran Stanković, Olivera Pronić-Rančić, “Applications of Fuzzy Logic and Probabilistic Neural Networks in E-Service for Malware Detection”, Axioms 13, no. 9: 624, MDPI, 2024, (ISSN: 2075-1680) doi: 10.3390/axioms13090624. (M21) |
| 3 | Kristijan Kuk, Aleksandar Stanojević, Petar Čisar, Brankica Popović, Mihailo Jovanović, Zoran Stanković, Olivera Pronić-Rančić, “Applications of Fuzzy Logic and Probabilistic Neural Networks in E-Service for Malware Detection”, Axioms 13, no. 9: 624, MDPI, 2024, (ISSN: 2075-1680) doi: 10.3390/axioms13090624. (M21) |
| 4 | Vladica Đordević, Zlatica Marinković, Vera Marković, Olivera Pronić-Rančić, “Development and validation of ANN approach for extraction of MESFET / HEMT noise model parameters”, Electrical Engineering (Archiv für Elektrotechnik), vol. 100 no. 2, pp. 645-651, 2018, Springer Berlin Heidelberg, ISSN: 0948-7921 (Print) 1432-0487 (Online), DOI 10.1007/s00202-017-0526-2 (M22) |
| 5 | Vladica Đorđević, Zlatica Marinković, Giovanni Crupi, Olivera Pronić-Rančić, Vera Marković, Alina Caddemi, “Wave approach for noise modeling of gallium nitride high electron mobility transistors”, International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol. 30, no. 1, pp. 1-9, 2017, John Wiley & Sons, ISSN: 0894-3370, DOI: 10.1002/jnm.2138 (M23) |

| | |
|---|---|
| 6 | Vladica Đorđević, Zlatica Marinković, Vera Marković and Olivera Pronić-Rančić, “Extraction of microwave FET noise wave temperatures by using a novel neural approach”, The International Journal for Computation and Mathematics in Electrical and Electronic Engineering – COMPEL, vol.35, no.1, pp. 339-349, 2016, Emerald, ISSN: 0332-1649, DOI: 10.1108/COMPEL-07-2015-0254 (M23) |
| 7 | Zlatica Marinković, Nenad Ivković, Olivera Pronić-Rančić, Vera Marković, Alina Caddemi, “Novel neural approach for parameter extraction of microwave transistor noise models,” International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol. 28, no. 6, pp. 707-716, November/December 2015, John Wiley & Sons, ISSN: 0894-3370, DOI: 10.1002/jnm.2083 (M22) |
| 8 | Dejan Rančić, Kristijan Kuk, Olivera Pronić-Rančić, and Dragan Ranđelović, “Intelligent Agents and Game-Based Learning Modules in a Learning Management System”, 10th KES International Conference, KES-AMSTA 2016 Puerto de la Cruz, Tenerife, Spain, June 2016, pp.233 – 245, ISSN 2190-3018, ISSN 2190-3026 (electronic), Smart Innovation, Systems and Technologies, ISBN 978-3-319-39882-2, ISBN 978-3-319-39883-9 (eBook), DOI 10.1007/978-3-319-39883-9, Springer International Publishing Switzerland 2016 (M33) |
| 9 | Ksenija Pešić, Zoran Stanković, Olivera Pronić-Rančić, Nebojša Dončov, “Improved PNN-MLP Model for Estimating the Penetration Depth of EM Waves in Soils”, 2024 IEEE International Symposium on Antennas and Propagation and ITNC-USNC-URSI Radio Science Meeting, 14-19 July 2024, Florence, Italy, pp. 2379-2380, doi: 10.1109/AP-S/INC-USNC-URSI52054.2024.10685976. (M33) |
| 10 | Nemanja Perić, Ksenija Pešić, Nebojša Dončov, Zoran Stanković, Olivera Pronić-Rančić, “MLP-PNN Model of Dual-Band Microstrip Patch Antenna for GNSS Receivers”, 59th International Scientific Conference on Information, Communication and Energy Systems and Technologies(ICEST2024), Sozopol, Bulgaria, July 1 – 3, 2024, pp. 1-4, doi: 10.1109/ICEST62335.2024.10639779. (M33) |

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

| | | | |
|---|---|---|---|
| Total number of citations | 328 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 24 | Number of international projects at which the lecturer currently participates | 0 |

**Specializations**

Study visits at the following universities:
Technische Universität München, Germany – within the framework of the bilateral DAAD projects: “Smart Modeling and Optimization of 3D Structured RF Components” in 2012 and 2013, and “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**

She has participated in 10 scientific research projects and 2 higher education development projects funded by the Ministry of Science of the Republic of Serbia. Participant in bilateral German-Serbian scientific DAAD projects implemented in cooperation with the Technical University of Munich: “Smart Modeling and Optimization of 3D Structured RF Components” (2012–2013) and “Flood Prediction and Alerting System” (2016–2017). Additionally, she has contributed to 8 international projects related to teaching improvement and higher education reform (including WUS, 2 TEMPUS, and 5 ERASMUS+ projects).
She is the author of two university textbooks: B. Milovanović, V. Marković, N. Maleš-Ilić, O. Pronić-Rančić: "Microwave Engineering – Part I", Faculty of Electronic Engineering, University of Niš, 2009; and O. Pronić-Rančić, V. Marković, N. Maleš-Ilić, B. Milovanović: "Microwave Electronics", Faculty of Electronic Engineering, University of Niš, 2013. She is also a co-author of one supplementary textbook: B. Milovanović, V. Marković, S. Ivković, A. Vuković, O. Pronić: "Microwave Engineering – workbook", Faculty of Electronic Engineering, University of Niš, 2002.
She was awarded the "Aleksandar Marinčić" Prize by the National Society for Microwave Technique, Technologies, and Systems for the year 2012.

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

| | |
|---|---|
| **Last name, middle letter, first name** | Raičević B. Nebojša |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Theoretical Electrical Engineering |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2021 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| PhD | 2010 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| Specialization | | | | |
| Magister | 1998 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Theoretical Electrical Engineering |
| Master | | | | |
| Diploma | 1989 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Theoretical Electrical Engineering |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEZ1O02 | Fundamentals of Theoretical Electrical Engineering 1 | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEZ2O03 | Fundamentals of Theoretical Electrical Engineering 2 | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEM5A04 | Applied Electromagnetics | L, E | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK4A01 | Applied Electromagnetics | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEU6B09 | Applied Electromagnetics | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4MKK1B03 | Computational Electromagnetics - Selected Chapters | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**


| | |
|---|---|
| 1 | Mirjana Perić, Ana Vučković, N. Raicevic, "Quasi-static analysis of microstrip lines with infinitely thin metallization thickness", Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, Vol.70, No.2, pp. 187-192, 2025, DOI: 10.59277/RRST-EE.2025.2.6, ISSN:0035-4066. https://journal.iem.pub.ro/rrst-ee/article/view/1244 |
| 2 | M. Milovanovic, S. Raicevic, D. Klimenta, N. Raicevic, B. Perovic, "Determination of Optimal Locations and Parameters of Passive Harmonic Filters in Unbalanced Systems Using the Multiobjective Genetic Algorithm", Elektronika IR Elektrotechnika, Vol.30, No.2, pp. 28-37, 2024, DOI: https://doi.org/10.5755/j02.eie.31238. |
| 3 | B. Perovic, D. Klimenta, D. Tasic, N. Raicevic, M. Milovanovic, M. Tomovic and J. Vukasinovic, "Increasing the ampacity of underground cable lines by optimising the thermal environment and design parameters for cable crossings", IET Generation, Transmission and Distribution, John Wiley & Sons, Vol. 16, No. 11, pp. 2309 – 2318, 2022, DOI:10.1049/gtd2.12448, https://doi.org/10.1049/gtd2.12448 |
| 4 | Dario Javor, Nebojsa Raicevic, Dardan Klimenta, Aleksandar Janjic, "Multi-Criteria Optimization of Vehicle-to-Grid Service to Minimize Battery Degradation and Electricity Costs", Elektronika IR Elektrotechnika, Vol.28, No.3, pp. 24-29, 2022, DOI: https://doi.org/10.5755/j02.eie.31238 , ISSN:1392-1215 |
| 5 | Ana Vučković, Mirjana Perić, Saša Ilić, Nebojša Raičević, Dusan Vuckovic, "Interaction Magnetic Force of Cuboidal Permanent Magnet and Soft Magnetic Bar Using Hybrid Boundary Element Method", ACES Journal, The Applied Computational Electromagnetic Society, Mississippi, USA, Vol. 36, No. 11, pp. 1492-1498, 2021. DOI:10.13052/2021.ACES.J.361114, ISSN:1054-4887.https://journals.riverpublishers.com/index.php/ACES/article/view/12203 |
| 6 | Mirjana Perić, Saša Ilić, Ana Vučković, Nebojša Raičević, "Analyses of Bi-Isotropic Media using Hybrid Boundary Element Method", ACES Journal, The Applied Computational Electromagnetic Society, Mississippi, USA, Vol. 36, No. 10, pp. 1265-1273, 2021. DOI:10.47037/2021.ACES.J.361001, ISSN:1054-4887. https://aces-society.org/search.php?vol=36&no=10&type=2 |
| 7 | Nebojsa B. Raicevic, Slavoljub Aleksic, Ilona Iatcheva, Marinko Barukcic, "Enhanced method for pulse skin effect calculation of cylindrical conductors", COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, Emerald Group Publishing Limited, vol. 39, no. 3, pp. 623-635, 2020, ISSN:0332-1649, doi:https://doi.org/10.1108/COMPEL-10-2019-0382 |
| 8 | Ana Vuckovic, Dusan Vuckovic, Mirjana Peric, Nebojsa Raicevic, "Influence of the Magnetization Vector Misalignment on the Magnetic Force of Permanent Ring Magnet and Soft Magnetic Cylinder", International Journal of Applied Electromagnetics and Mechanics, IOS PRESS, vol. 65, no. 3, pp. 417-430, 2020, doi:10.3233/JAE-190152, ISSN:1383-5416. https://content.iospress.com/articles/international-journal-of-applied-electromagnetics-and-mechanics/jae190152 |

| | |
|---|---|
| 9 | Mirjana Perić, Saša Ilić, Ana Vučković, Nebojša Raičević, “Improving the Efficiency of Hybrid Boundary Element Method for Electrostatic Problems Solving”, ACES Journal, The Applied Computational Electromagnetic Society - ACES, Mississippi, USA, vol. 35, no. 8, pp. 872-877, 2020, doi:10.47037/2020.ACES.J.350804, ISSN:1054-4887. https://aces-society.org/search.php?vol=35&no=8&type=2 |
| 10 | Nebojsa B. Raicevic, Slavoljub R. Aleksic, Zeljko Hederic, Marinko Barukcic, Ilona Iatcheva, “Optimal Selection of Coaxial Ring Systems in Environmental Electrostatic Shielding”, COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, Emerald Group Publishing Limited, vol. 37, no. 4, pp. 1418-1435, 2018, ISSN:0332-1649. https://doi.org/10.1108/COMPEL-09-2017-0372 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 152 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 27 | Number of international projects at which the lecturer currently participates | 1 |

**Specializations**

**Other data considered relevant**

He has published over two hunderds papers, three university textbooks, and four monographs. He participated in the realization of ten domestic and five foreign scientific research projects, and managed the realization of two projects. He is the author of the new cable accessories with reduced dielectric stress as well as a new numerical hybrid boundary element method (HBEM) for the calculation of electromagnetic fields. He is the president of the IEEE EMC chapter for Serbia and Montenegro. He was a mentor of three doctoral dissertations, and several times he was a mentor and a member of the commissions for the defense of doctoral (18), master's and bachelor's theses. He is a reviewer of a number of prestigious journals from the SCI / SCIE list and a number of international conferences, at which his work has twice been declared the best. The guest editor is in the journal from the SCI list (Electronics - MDPI). He was a member of the Council of the University of Nis and the Faculty of Electronics in Nis, President of the Commission for enrollment in basic and master academic studies of the Faculty of Electronics in Nis. He is a member of the Collegium of the Faculty of Electronics in Nis as a Head of the Department of Theoretical Electrical Engineering. He has eleven research stays abroad, three scientific courses.

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

| | |
|---|---|
| **Last name, middle letter, first name** | Rančić Z. Lidija |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Mathematics |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2016 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Mathematics |
| PhD | 2005 | University of Niš, Faculty of Sciences and Mathematics | Electrical and Computer Engineering | Mathematics |
| Specialization | | | | |
| Magister | 1995 | University of Niš, Faculty of Philosophy | Electrical and Computer Engineering | Mathematics |
| Master | | | | |
| Diploma | 1988 | University of Niš, Faculty of Philosophy | Mathematical Sciences | Mathematics |

**List of courses the teacher is accredited to teach at the first or second cycle of studies.**

| No. | Course code | Course name | Type of lectures | Study programme name | Type of studies |
|---|---|---|---|---|---|
| 1 | 4OEM5A06 | Differential equations | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEZ1O01 | Mathematics 1 | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEZ2O01 | Mathematics 2 | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEU4A01 | Mathematical Methods | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEE4A03 | Numerical Mathematics | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEM4A06 | Numerical Mathematics | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OER4A03 | Numerical Algorithms | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK6B01 | Fourier Analysis and Applications | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4MEP1C02 | Methods of mathematical optimization | L | Electrical Power Engineering | MAS |
| 10 | 4MKK1A02 | Numerical Solution of Equations | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Lidija Z. Rančić, Svetozar R. Rančić : Basins of attractions of new iterative methods for finding simple zeros, Facta Universitatis, Series: Mathematics and Informatics, Volume 39, Issue 5, (2024) 843 – 849. |
| 2 | Lidija Rančić, Svetozar R. Rančić: Higher order family of simultaneous methods for finding simple zeros of analytic functions, The 6th International Conference Mechanical Engineering in XXI Century, December 14-15, 2023, Niš, Serbia |
| 3 | Ivan Petković, Lidija Z. Rančić: Computational geometry as a tool for studying root-finding methods, Filomat 33:4 (2019), 1019-1027 |
| 4 | Lidija Rančić, Miodrag Petković, New simultaneous root-finding methods with accelerated convergence for analytic functions, Journal of Computational and Applied Mathematics, 296, (2016) 228-236 |
| 5 | Lidija Rančić, Family of simultaneous methods with corrections for approximating zeros of analytic functions, Filomat 29:10 (2015) 2217-2225 |
| 6 | Miodrag S. Petković, Lidija Z. Rančić: On the guaranteed convergence of a cubically convergent Weierstrass-like root-finding method, International Journal of Computer Mathematics, 92 6 (2015), 1303-1312. |
| 7 | Miodrag S. Petković, Lidija Z. Rančić: On the guaranteed convergence of new two-point root-finding methods for polynomial zeros, Numerical Algorithms 67 1 (2014), 187-222 |

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

| | | | |
|---|---|---|---|
| Total number of citations | 42 | Number of domestic projects at which the lecturer currently participates | 1 |
| Total number of papers on the SCI (SSCI) list | 20 | Number of international projects at which the lecturer currently participates | 0 |

**Specializations**

**Other data considered relevant**

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

| | |
|---|---|
| **Last name, middle letter, first name** | Stanković Ž. Zoran |
| **Title** | Full professor |
| **The name of the institution in which the lecturer works full or part time and since when** | University of Niš, Faculty of Electronic Engineering |
| **Specific scientific field** | Telecommunications |

**Academic career**

| | Year | Institution | Scientific field | Specific scientific field |
|---|---|---|---|---|
| Election | 2024 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| PhD | 2007 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| Specialization | | | | |
| Magister | 2002 | University of Niš, Faculty of Electronic Engineering | Electrical and Computer Engineering | Telecommunications |
| 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 | 4OEK7O03 | Antennas and Propagation | L | Electrical Engineering and Computer Science | BAS |
| 2 | 4OEK5O06 | Wireless Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 3 | 4OEK6C04 | Short Range Wireless Systems | L | Electrical Engineering and Computer Science | BAS |
| 4 | 4OEK8B02 | Artificial Neural Networks in Radiocommunication Systems | L | Electrical Engineering and Computer Science | BAS |
| 5 | 4OEK8B01 | Microcontrollers and Applications in Communications | L | Electrical Engineering and Computer Science | BAS |
| 6 | 4OEK8B03 | Communication Hardware Programming | L | Electrical Engineering and Computer Science | BAS |
| 7 | 4OEK7E04 | Developing Applications for Communication Systems | L | Electrical Engineering and Computer Science | BAS |
| 8 | 4OEK6O05 | Computer Communications and Internet Technologies | L | Electrical Engineering and Computer Science | BAS |
| 9 | 4OEK7E03 | Computer Networks and Internet Access | L | Electrical Engineering and Computer Science | BAS |
| 10 | 4MKS2A03 | Adaptive antennas and MIMO systems | L | Communications and Information Technologies | MAS |
| 11 | 4MKS1A04 | Wireless computer networks and Internet access | L | Communications and Information Technologies | MAS |
| 12 | 4MKS2A05 | Artificial Intelligence and Machine Learning for Communication Systems | L, E | Communications and Information Technologies | MAS |
| 13 | 4MKS1A08 | Electromagnetic Compatibility | L | Communications and Information Technologies | MAS |
| 14 | 4MEE1A05 | RF Systems | L | Electronics and Embedded Systems | MAS |
| 15 | 4MKS1A06 | Radar Systems and Radiolocation | L | Communications and Information Technologies | MAS |
| 16 | 4MKS2A04 | Computer Communications | L | Communications and Information Technologies | MAS |
| 17 | 4MKS1A03 | Broadband Access Networks | L | Communications and Information Technologies | MAS |

**Representative references (at minimum 5, not more than 10)**

| | |
|---|---|
| 1 | Zoran Ž. Stanković, Dragan I. Olćan, Nebojša S. Dončov and Branko M. Kolundžija, "Consensus Deep Neural Networks for Antenna Design and Optimization," in IEEE Transactions on Antennas and Propagation, vol. 70, no. 7, pp. 5015-5023, July 2022, (ISSN: 0018-926X, EISSN: 1558-2221) doi: 10.1109/TAP.2021.3138220. |
| 2 | Zoran Stanković, Olivera Pronić-Rančić, Nebojša S. Dončov, "Advanced ANN model for DoA Estimation in Smart Textile Wearable Antenna Array Subsystem", International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2024; 37(1):e3130, (ISSN: 0894-3370, EISSN: 1099-1204) doi: 10.1002/jnm.3130. |
| 3 | Zoran Stanković, Nebojša S. Dončov, Ivan Milovanović, Bratislav Milovanović, "Direction of arrival estimation of mobile stochastic electromagnetic sources with variable radiation powers using hierarchical neural model", Int J RF Microw Comput Aided Eng., 2019; e21901. DOI: 10.1002/mmce.21901. |

| | |
|---|---|
| 4 | Zoran Stanković, Nebojsa Doncov, Bratislav Milovanovic, Ivan Milovanovic, "Efficient DoA Tracking of Variable Number of Moving Stochastic EM Sources in Far-Field Using PNN-MLP Model," International Journal of Antennas and Propagation, vol. 2015, Article ID 542614, 11 pages, 2015, DOI:10.1155/2015/542614. |
| 5 | Marija Agatonović, Zoran Stanković, Ivan Milovanovic, Nebojša S. Dončov, L. Sit, T. Zwick, Bratislav D. Milovanović, "Efficient Neural Network Approach for 2D DOA Estimation Based on Antenna Array Measurements", Progress in Electromagnetics Reasearch, PIER 137, pp. 741 - 758, 2013, ISSN: 1070-4698, E-ISSN: 1559-8985, DOI:10.2528/PIER13012114. |
| 6 | Miloš Kostić, Nebojša S. Dončov, Zoran Stanković, John Paul, "Efficient TLM-Based Approach for Compact Modeling of Anisotropic Materials and Composites", Applied Computational Electromagnetics Society (ACES) Journal, Volume 34, Number 1 (2019), pp.1-10, 2019, ISSN: 1054-4887 (hard-copy) |
| 7 | Dejan Nikolic, Nikola Stojkovic, Zdravko Popovic, Nikola Tosic, Nikola Lekic, Zoran Stankovic, Nebojsa Doncov, "Maritime Over the Horizon Sensor Integration: HFSWR Data Fusion Algorithm", Remote Sensing. 2019; 11(7):852. DOI: 10.3390/rs11070852. |
| 8 | Kristijan Kuk, Aleksandar Stanojević, Petar Čisar, Brankica Popović, Mihailo Jovanović, Zoran Stanković, Olivera Pronić-Rančić, "Applications of Fuzzy Logic and Probabilistic Neural Networks in E-Service for Malware Detection", Axioms 13, no. 9: 624, MDPI, 2024, (ISSN: 2075-1680) doi: 10.3390/axioms13090624. |
| 9 | Ivan Milovanović, Zoran Stanković, "Characteristics of Mesh Network Architecture Based on IEEE 802.11 and IEEE 802.16 Standards", 11th International Scientific Symposium INFOTEH-JAHORINA 2012, Proceedings, Jahorina, Bosnia and Herzegovina, March 21–23, 2012, Faculty of Electrical Engineering, East Sarajevo, pp. 428–433, 2012, ISBN: 978-99938-624-8-2. |

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

| | | | |
|---|---|---|---|
| Total number of citations | | Number of domestic projects at which the lecturer currently participates | |
| Total number of papers on the SCI (SSCI) list | | Number of international projects at which the lecturer currently participates | |

**Specializations**

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

**Other data considered relevant**

Total number of papers on the SCI (SSCI) list
Specializations
Other data considered relevant
He has participated in 12 scientific research projects funded by the Ministry of Science of the Republic of Serbia. He was also a participant in a project funded by the Innovation Fund of the Republic of Serbia (Science and Industry Collaboration Program): "Smart 3D EM Simulation Environment for IoT and 5G" (2020–2022). He has been involved in the following international scientific research projects: the bilateral German–Serbian DAAD research project "Network Methods in Electromagnetic Field Modelling" (2011–2012), carried out in cooperation with the Technical University of Munich; the bilateral DAAD project "Advanced Modelling of Noisy Electromagnetic Field Propagation in Highly Integrated Electronic Circuit and System Environments" (2016–2017), also in cooperation with the Technical University of Munich; and the Science for Peace and Security Programme project "G5953 Advanced UAV-Based GPR Imaging Techniques for Explosive Detection" (2021–2024) .He was a member of the working group of the European COST Action IC-1407 "Advanced Characterization and Classification of Radiated Emissions in Densely Integrated Technologies (ACCREDIT)" (2015–2019).