

Dr VLADIMIR M. MLADENOVIC



Faculty of Technical Sciences Cacak University of Kragujevac

Full Professor

Department of Information Technologies

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EDUCATION

Visiting professor – Hebrew University, The Engineering and Computer Science School, Jerusalem, Israel, January – September 2011.

PhD, Electrical Eng. – University of Kragujevac, Technical faculty, Cacak, Serbia, (December 2006 - March 2009)

Title: *Development more functional computer acquisition system in low-voltage networks and electrical installations*

MSc, Electrical Eng. – University of Nis, Faculty of Electrical Engineering, Nis, Serbia, (March 2001 - May 2005)

Title: *Statistical detection in communication channels when noise and fading present*

Dipl-Ing, Electrical Eng. - University of Nis, Faculty of Electrical Engineering, Nis, Serbia, (October 1994-September 2000, undergraduated studies lasted 5 years)

Title: *Using ATM technique in SDH networks*

EXPERT SKILLS

- Cyber security
- Artificial intelligence, machine learning, neural networks, deep learning
- 5G EDGE computing, Wireless communication, IoT, Raspberry Pi & Arduino Implementation,
- Image processing and computer vision
- Symbolic computation and processing, modeling systems and processes, fast algorithms
- Mathematica Wolfram (Wolfram language), Matlab and Python.

INDUSTRIAL PORTFOLIO

- Senior AI architect
- 5G Service solution expert

EXPERIENCE

(December 2024 – October 2025) **Dean - University of Kragujevac, Faculty of Technical Sciences Cacak, Department of Information Technologies**

Special skills:

- Leadership in times of crisis (Mandate ended through voluntary resignation)

(October 2013 - Present) **Full Professor - University of Kragujevac, Faculty of Technical Sciences Cacak, Department of Information Technologies**

Teaching courses:

- Artificial intelligence (Bachelor studies)
- Machine learning (Bachelor studies)
- Data security (Bachelor studies)
- Internet of things (Bachelor studies)
- Contemporary communication systems (Master studies)
- Advanced web programming (Master studies)
- Modern network technologies (PhD studies)
- Computer vision (PhD studies)

More courses up to 2016:

- Software architecture (Bachelor studies)
- Software engineering (Bachelor studies)
- Multimedia systems (Bachelor studies)
- Computer networks and communications (Bachelor studies)
- Network security (Bachelor studies)
- Analysis of multimedia contents (Master studies)

(October 2014 - October 2018) **Professor of Professional Studies** at the **Higher Technical School** Belgrade, Serbia (www.visokatehnicka.edu.rs/)

Teaching courses:

- Sensor and actuators
- Electrotechnique and electronic fundamentals, Mechatronic systems

(September 2009 - October 2013) **Professor of professional studies** at the **High Technical School of Professional Studies** Požarevac, Serbia (www.vts-pozarevac.edu.rs/)

Teaching courses:

- Computer architecture
- Computer networks
- Microcontrollers
- Computer aided electronic circuit board design
- Digital signal processing

(September 2005 - September 2006) **Lecturer** at the Advanced School of Electrotechnical Engineering Belgrade – Department in Paracin, Serbia

Teaching courses:

- Computer technique and programming I and II
- Programming

(September 2004 – July 2010) **Teacher** at the School of Electrical Engineering Paracin, Serbia (secondary school)

Teaching courses:

- Programming in C/C++
- Microprocessors
- Networks&communications

(March 2003 – December 2006) **General manager** at the „SuperKom“, company to design computer networks, software development and computer sales and service

(May 2001 – Februar 2005) **IT manager** at the Serbian Glass Factory (<http://sfsparacin.com/index.html>)

PATENTS

GRANTED

1. **System for measuring and maintaining pressure in industrial boilers based on the internet of things**, Patent number 1786U1, Application N° 2023/4376 MII-2023/0004, Date of patent: 19.05.2023. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/086949489/publication/RS1786U1?q=pn%3D RS1786U1>
2. **The internet-based body position coordinate tracking system**, Patent number 1762U1, Application N° 2022/7102 MP-2022/31, Date of patent: 17.02.2022. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/082701573/publication/RS1762U1?q=pn%3D RS1762U1>
3. **System for measuring temperature, air humidity and land humidity in a greenhouse based on internet of things**, Patent number 1755U1, Application N° 2022/4929 MP-2022/17, Date of patent: 11.02.2022. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/081940371/publication/RS1755U1?q=pn%3D RS1755U1>
4. **IoT video surveillance system**, Patent number 1758U1, Application N° 2022/4932 MP-2021/0101, Date of patent: 17.05.2022. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/082319590/publication/RS1758U1?q=pn%3D RS1758U1>
5. **The internet-based smartwatch data collection system**, Patent number 1756U1, Application N° 2022/4409 MP-2021/0028, Date of patent: 04.05.2022. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/081940368/publication/RS1756U1?q=pn%3D RS1756U1>
6. **Microcloud system for storing data via the internet**, Patent number 1753U1, Application N° 2022/3450 MP-2021/099, Date of patent: 01.04.2022. Intellectual Property Office of Republic of Serbia
<https://worldwide.espacenet.com/patent/search/family/081448202/publication/RS1753U1?q=pn%3D RS1753U1>
7. **The smart doorbell system based on the Internet of Things**, Patent number 1750U1, Application N° 2022/3061 2021/022, Date of patent: 22.03.2022. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/081448203/publication/RS1750U1?q=pn%3D RS1750U1>
8. **Video surveillance system over the internet based on the device for the face recognition**, Patent number 1747U1, Application N° 2022/2534 MP-2021/0100, Date of patent: 09.03.2022. Intellectual Property Office of Republic of Serbia
<https://worldwide.espacenet.com/patent/search/family/081076553/publication/RS1747U1?q=pn%3D RS1747U1>
9. **Fire detection system based on internet of things**, Patent number 1727U1, Application N° 2021/10020 MP-2021/0018, Date of patent: 16.08.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077999748/publication/RS1727U1?q=pn%3D RS1727U1>

10. **The smart room system based on the internet of things**, Patent number 1723U1, Application N° 2021/9203 MP-2021/0013, Date of patent: 23.07.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077638277/publication/RS1723U1?q=pn%3DRS1723U1>
11. **QR code–based baggage tracking system**, Patent number 1722U1, Application N° 2021/8859 MP-2021/0035, Date of patent: 16.07.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077638273/publication/RS1722U1?q=pn%3DRS1722U1>
12. **Security insurance system for residential buildings**, Patent number 1721U1, Application N° 2021/8852 MP-2021/0031, Date of patent: 16.07.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077638272/publication/RS1721U1?q=pn%3DRS1721U1>
13. **A system for measuring the quality of running water based on the Internet of Things**, Patent number 1718U1, Application N° 2021/8796 MP-2021/0026, Date of patent: 15.07.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077163706/publication/RS1718U1?q=pn%3DRS1718U1>
14. **An Internet of Things – based grocery tracking information system**, Patent number 1714U1, Application N° 2021/7816 MP-2021/0034, Date of patent: 24.06.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/077163712/publication/RS1714U1?q=pn%3DRS1714U1>
15. **System for remote control of smart lighting based on internet of things**, Patent number 1711U1, Application N° 2021/7319 MP-2021/0016, Date of patent: 14.06.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/076635495/publication/RS1711U1?q=pn%3DRS1711U1>
16. **System for predicting fruit yields**, Patent number 1698U1, Application N° 2021/2894 MP-2020/0037, Date of patent: 10.03.2021. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/075375308/publication/RS1698U1?q=pn%3DRS1698U1>
17. **Device for automatic street delivery and payment of products from kiosk using a rotary crane**, Patent number 1401U1, Application N° 2012/5904 MP-2014/0045, Date of patent: 09.09.2014. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/052598447/publication/RS1401U1?q=pn%3DRS1401U1>
18. **Wireless monitoring system for positioning, tracking, and text and voice data exchange**, Patent number 1328U, Application N° 2012/5904 MP-2012/0069, Date of patent: 09.05.2013. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/049084690/publication/RS1328U?q=pn%3DRS1328U>

19. **Electronic tour guide for Android platform with the development of the multimedia travel book**, Patent number 1268U, Application N^o 2012/3692 MP-2011/0068, Date of patent: 18.05.2012. Intellectual Property Office of Republic of Serbia
<https://worldwide.espacenet.com/patent/search/family/047108380/publication/RS1268U?q=pn%3DRS1268U>

PENDING

20. **A computer-implemented process for real-time interactive teaching notification based on the internet of things**, Patent number RS20240200A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375412/publication/RS20240200A2?q=pn%3DRS20240200A2>
21. **Method and system for monitoring the performance of physical exercises based on the internet of things**, Patent number RS20240219A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375418/publication/RS20240219A2?q=pn%3DRS20240219A2>
22. **A computer-implemented process for snoring detection based on the internet of things**, Patent number RS20240216A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375415/publication/RS20240216A2?q=pn%3DRS20240216A2>
23. **Method and system for manufacturing a laundry drying system under controlled conditions based on internet of things**, Patent number RS20240222A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375414/publication/RS20240222A2?q=pn%3DRS20240222A2>
24. **A computer-implemented method for driver drowsiness detection based on the internet of things**, Patent number RS20240228A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375410/publication/RS20240228A2?q=pn%3DRS20240228A2>
25. **A computer implemented procedure for detecting movement and position on working machines based on the internet of things**, Patent number RS20240234A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375409/publication/RS20240234A2?q=pn%3DRS20240234A2>
26. **A computer-implemented method for opening a garage door by detecting car license plates based on the internet of things**, Patent number RS20240235A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375417/publication/RS20240235A2?q=pn%3DRS20240235A2>
27. **System and method for prolonged action of soil moisture based on the internet of things**, Patent number RS20240250A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375413/publication/RS20240250A2?q=pn%3DRS20240250A2>

28. **A computer-implemented method for device localization in wifi network base on internet of things**, Patent number RS20240268A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375416/publication/RS20240268A2?q=pn%3DRS20240268A2>
29. **The computer-implemented process for interactive shelf monitoring in supermarkets based on the Internet of things**, Patent number RS20240269A2, Date of patent: 31.05.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/091375411/publication/RS20240269A2?q=pn%3DRS20240269A2>
30. **The computer-implemented procedure for detecting mobile phones in vehicles based on the internet of things**, Patent number RS20240053A2, Date of patent: 29.03.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090457354/publication/RS20240053A2?q=pn%3DRS20240053A2>
31. **Computer-implemented procedure for automatic recording of human presence based on face recognition using the internet of things**, Patent number RS20240150A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931715/publication/RS20240150A2?q=pn%3DRS20240150A2>
32. **The method and system for generating statistics on people's mood based on detected emotions using internet of things**, Patent number RS20240154A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931708/publication/RS20240154A2?q=pn%3DRS20240154A2>
33. **Method and system for managing of smart pool based on the internet of things**, Patent number RS20240164A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931713/publication/RS20240164A2?q=pn%3DRS20240164A2>
34. **System and procedure for optimized consumption of electrical energy from an internet of things-based solar power plant**, Patent number RS20240170A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931711/publication/RS20240170A2?q=pn%3DRS20240170A2>
35. **Computer-implemented procedure for room security based on the internet of things**, Patent number RS20240174A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931710/publication/RS20240174A2?q=pn%3DRS20240174A2>
36. **A computer-implemented method for deaf and hard-of-hearing communication based on the internet of things**, Patent number RS20240178A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931714/publication/RS20240178A2?q=pn%3DRS20240178A2>
37. **A computer-implemented method on a robot dog for object avoidance based on the internet of things**, Patent number RS20240181A2, Date of patent: 30.04.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090931712/publication/RS20240181A2?q=pn%3DRS20240181A2>

38. **System for prediction and balancing excess fluid in the body during hemodialysis based on artificial intelligence**, Patent number RS20240030A2, Date of patent: 29.03.2024. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/090057728/publication/RS20240030A2?q=pn%3DRS20240030A2>
39. **An unmanned aerial vehicle system with integrated detectors for the detection of metal and plastic materials buried under the surface of the earth**, Patent number 2023/0515 A2, Application N° P-2023/0515, Date of patent: 07.07.2023. Intellectual Property Office of Republic of Serbia,
<https://worldwide.espacenet.com/patent/search/family/088236973/publication/RS20230515A2?q=pn%3DRS20230515A2>

TECHNICAL REPORT

1. **The computer program in a symbolic language for fast calculations in closed-form for on artificial intelligence and machine learning based systems (serbian)**, Date: 16.10.2018. University of Kragujevac, Faculty of Technical Sciences Cacak
2. **A computer program in a symbolic language to calculate the response time in a closed form for systems with pure delay (serbian)**, Date: 20.12.2015. University of Kragujevac, Faculty of Technical Sciences Cacak, <http://itlab.ftn.kg.ac.rs/inc/TR32023.pdf>

AWARDS

(June 2025) – **HUAWEI ICT ACADAMIA**

- Outstanding ICT Academy of the year 2025, Serbia

(December 2009) - **OSCE Mission to Serbia Democratization Department Environmental Affair Section**, Republic of Serbia, (**SEEA**) **Energy Efficiency Agency of Republic of Serbia**, **Petnica Science Center**, Republic of Serbia

- Awards for best supervisor of research projects in field of renewable sources: “Energy for the future 2009”

PROJECTS

1. **Digital children kidney twin**, GÉANT Innovation Programme to encourage new work In research, education, societal, environmental or technological topics, (2023-2024) (budget 30k €)
2. **Adaptive methods for channel and RF front-end equalization in NOMA systems**, The scientific research and development projects between the Republic of Serbia and the Republic of India (2022-2024) (budget 10k €)
3. **Anomaly detection based on 5G EDGE computing for surveillance video**, The scientific research and development projects between the Republic of Serbia and the People's Republic of China (2021-2023) (budget 200k US\$)
4. **Development of advanced system of hemodialysis monitoring with predicton of body fluid balance in children „LIFE_FOR_KIDS“**, The EUREKA Network Application E!13301 awarded the EUREKA (2020-2022) (budget 300k €)
5. **Performance optimization of energy-efficient computer and communication systems**, Project number: **TR-32023**, Ministry of Education, Science and Technological Development, Republic of Serbia (2011-2020) – **Project leader** (budget ~12k €)
6. **Tools planning for symbolical processing and OFDM analysis**, Wideband Radio Communications Laboratory, The Engineering and Computer Science School of the Hebrew University in Jerusalem, Israel (January 2011- September 2011) (budget 10k €)

7. **Development of curriculum and teacher competencies** for subjects in graduated academic studies of Information Technology accredited in 2017 (budget 10k €)
8. **Development of curricula and teaching competencies** for subjects in graduated academic studies of Information Technology accredited in 2018 (budget 10k €)
9. **Development of curricula and teaching competencies** for subjects in Master Academic Studies Information Technology accredited in 2018 (budget 10k €)
10. **System for monitoring and evidence of daily rented apartments** - a project funded by the Innovation Fund through Innovation Vouchers, 2018 (budget 10k €)

INVITED LECTURE

1. **"Enhanced Optimization of Fluid Volume Control in Hemodialysis Using Federated Learning"**, University of Delaware, Newark, DE 19716, USA, 18th June, 2025
<https://mailchi.mp/ece/ud-ece-spring-2021-seminar-series-announcement-10996897?e=2ca6b919ba>
2. **"Advanced development of hemodialysis system with predictive fluid balance in body for kids"**, OCIT (OITS International Conference on Information Technology and Forum for high quality research in the area of Information Technology. OCIT2023, 13th - 15th Dec, 2023, NIT, Raipur (<https://www.nitr.ac.in/>), (<http://www.oits-icit.org/>), IEEE record no. 59427
https://www.oits-icit.org/oits-archieve/OCIT_2023_Website/keynote.php
3. **"Software tool for the characterization of a dynamic physical channel in mobile communication networks (with focus to 5G technology)"** One Day International Seminar (online), Department of Computer Science and Engineering, Gandhi Institute of Excellent Technocrats (GIET), Ghangapatana, 752054, Bhubaneswar, India, May 31th, 2023
4. **"Development System for Measuring Traffic Flow based on Internet of Things"** 1st International Workshop on Intelligent Transportation & Information Technology, Beijing Jiaotong University, China, July 6th, 2019
5. **"Fast Computation of Iteration-Based Simulation Method"** lecture at the Vilnius kolegija/University of Applied Sciences/Faculty of Electronics and Informatics, Vilnius, Lithuania March 7, 2019, Erasmus+ teaching programme
6. **"A New Approach in Engineering Education and Knowledge Programming"** lecture at the Silesian University of Technology, Institute for applied mathematics, Gliwice, Poland, May 23, 2018, Erasmus+ teaching programme
7. **"A New Approach in Engineering Education and Knowledge Programming"** invited lecture at the International conference "Cognitive methods of heterogeneous data analysis", Don State Technical University (DSTU), Rostov-on-Don, Russian Federation, September 15, 2017
8. **"Fast Computation of Iteration-Based Simulation Method - Case Study of Non-coherent ASK with Shadowing"** invited lecture at the International conference "Cognitive methods of heterogeneous data analysis", Don State Technical University (DSTU), Rostov-on-Don, Russian Federation, September 13, 2017
9. **"Computer Algebra System and Symbolic Processing-Knowledge Programming"** invited lecture at the Research institute "Digital signal processing and computer vision", Don State Technical University (DSTU), Rostov-on-Don, Russian Federation, May 18, 2016
10. **"Introduction in Computer Algebra Systems – basic concept of Wolfram language"** invited lecture at the Research institute "Digital signal processing and computer vision", Don State Technical University (DSTU), Rostov-on-Don, Russian Federation, May 19, 2016
11. **"Computer Algebra and Symbolic Processing"** invited lecture at the Goce Delcev University in Stip, Faculty of Electrical Engineering, Republic of Macedonia, December 10, 2015.

12. **"Computer Algebra and Symbolic Processing"** invited lecture at the Tel Aviv University, Electrical Engineering-Systems Dept., August 03, 2011.

MEMBERS

- **Guest Editor – International Conference "Energy Efficiency and Energy Saving in Technical Systems" 2020 (EEESTS-2020), Rostov-on-Don, Russian Federation, June 16-17, 2020**
<https://conferencedts.wixsite.com/eeests?lang=en>
- **Program Committee board – International Conference "Energy Efficiency and Energy Saving in Technical Systems" 2019 (EEESTS-2019), Rostov-on-Don, Russian Federation, June 16-17, 2020**
<https://conferencedts.wixsite.com/eeests/glavnaya?lang=en>
- **Editor's board - MATEC Web of Conferences, Volume 226 (2018), XIV International Scientific-Technical Conference "Dynamic of Technical Systems" (DTS-2018), Rostov-on-Don, Russian Federation, September 12-14, 2018**
<https://www.matec-conferences.org/articles/mateconf/abs/2018/85/contents/contents.html>
- **Editor's board - MATEC Web of Conferences - XIII International Scientific-Technical Conference "Dynamic of Technical Systems" (DTS-2017), Rostov-on-Don, Russian Federation, September 13-15, 2017**
<https://www.matec-conferences.org/articles/mateconf/abs/2017/46/contents/contents.html>
- **Union of Engineers and Technicians of Serbia – Member Number 563**
- **President of Society for Innovations and Technical-Technological Development of Paracin**

EDITOR OF JOURNALS

- **IEEE Access, Guest editor** - <https://ieeaccess.ieee.org/special-sections/integrative-computer-vision-and-multimedia-analytics/>
- **Serbian journal of electrical engineering, Editor Assistants** - <https://sjee.ftn.kg.ac.rs/index.php/sjee/about/editorialTeam>
- <https://www.springer.com/gp/book/9783030706258>
- **Frontiers in Artificial Intelligence, Review Editor**, <https://loop.frontiersin.org/people/2510416/overview>
- **Circuits, Systems, and Signal Processing, Associate Editors**
<https://link.springer.com/journal/34/editorial-board>

REVIEWER

- **The Journal Tehnički vjesnik – Technical Gazette (TV-TG)** - www.tehnicki-vjesnik.com/web/public/page
- **National Entity for Accreditation and Quality Assurance in Higher Education of Serbia – NEAQA**

CERTIFICATE

Licence for engineer of transfer technology - Certificate by The World Intellectual Property Organization (WIPO) and Serbian Intellectual Property Office – October 2012.

LANGUAGES

- **Serbian** – native
- **English language** –Certificate: *EAQUALS* (www.eaquals.org) certificate - The European Association for Quality Language Services – fluent
- **Bosnian, Montenegrin, Croatian** – fluent
- **Macedonian** – understand
- **Chinese** - Certificate: *Confucius Institute Belgrade* (贝尔格莱德孔子学院), *Serbia* – basic level, on the end of December 2022, completed the second level

PUBLICATIONS

Books

1. **Vladimir Mladenović**, Maja Lutovac Banduka, *Computer vision – application in IoT and medicine*, Monography, Faculty of technical sciences, Čačak, University of Kragujevac ©2025, ISBN: 978-86-7776-278-0 (in serbian)
2. Book chapter: **An Operation-Reduced Fast Modeling in 5G Communication Systems, 5G Multimedia Communication Technology, Multiservices, and Deployment**, CRC Press 2020, ISBN: 9780367178505,
https://www.routledge.com/5G-Multimedia-Communication-Technology-Multiservices-and-Deployment/Bojkovic-Milovanovic-Fowdur/p/book/9780367178505?utm_source=crcpress.com&utm_medium=referral
3. **Vladimir Mladenović**, Miroslav Lutovac, *Symbolic processing for system development using computer algebra*, Monography, Faculty of technical sciences, Čačak, University of Kragujevac © 2020, ISBN: 978-86-7776-245-2 (in serbian)
4. **Vladimir Mladenović**, Nebojša Stanković, *Multimedia technologies and systems*, Textbook, Faculty of Technical Sciences in Cacak, University of Kragujevac © 2019, ISBN: 978-86-7776-231-5 (in serbian)
5. **Vladimir Mladenović**, Dragutin Debeljković, Nebojša Dimitrijević, *Modern Methods of Synthesis of Automatic Control Systems*, Monograph, Faculty of Technical Sciences in Cacak, University of Kragujevac © 2018, ISBN: 978-86-7776-223-0 (in serbian)
6. **Vladimir Mladenović**, Miroslav Lutovac, Dragutin Debeljković, *Stochastic identification of processes – II part*, Monography, Faculty of technical sciences, Čačak, University of Kragujevac © 2016, ISBN: 978-86-7776-195-0 (in serbian)
7. **Vladimir Mladenović**, Miroslav Lutovac, Dragutin Debeljković, *Stochastic identification of processes – I part*, Monography, Faculty of technical sciences, Čačak, University of Kragujevac © 2016, ISBN: 978-86-7776-194-3 (in serbian)
8. **Vladimir Mladenović**, Danijela Milošević, *The software architecture - theory and application in practice*, Textbook, Faculty of technical sciences, Čačak, University of Kragujevac © 2016, ISBN: 978-86-7776-184-4 (in serbian)
9. **Vladimir Mladenović**, Dragutin Debeljković, Miroslav Lutovac, *The dynamics of control systems with delay*, Monography, Faculty of technical sciences, Čačak, University of Kragujevac © 2015, ISBN: 978-86-7776-181-3 (in serbian)
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