

## Dr VLADIMIR M. MLADENOVIC



**Faculty of Technical Sciences Cacak**  
**University of Kragujevac, accredited Public institution**  
**Associate Professor**  
**Department of Information Technologies**  
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32000 Čačak, Serbia  
**Cell.:** (+381 64) 852 53 02  
**Date of birth:** 13. March 1975.  
**Place of birth:** Paraćin, Serbia  
**E-mail:** vladimir.mladenovic@ftn.kg.ac.rs  
<http://www.ftn.kg.ac.rs/vladimir.mladenovic?lang=en>

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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, 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, 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, Sept. 2000  
Title: *Using ATM technique in SDH networks*

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### EXPERT SKILLS

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

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

#### Teaching courses:

- Software architecture
- Multimedia systems
- Data security
- Internet of things
- Contemporary communication systems (Master studies)
- Advanced web programming (Master studies)
- Analysis of multimedia contents (Master studies)
- Modern network technologies (PhD studies)

More courses up to 2016:

- Software engineering
- Computer networks and communications
- Network security

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

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## PATENTS

1. **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
2. **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
3. **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
4. **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
5. **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

6. **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
7. **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  
[http://www.zis.gov.rs/upload/documents/pdf\\_sr/pdf/glasnik/GIS\\_2015/GIS-2015-1.pdf](http://www.zis.gov.rs/upload/documents/pdf_sr/pdf/glasnik/GIS_2015/GIS-2015-1.pdf)
8. **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  
[http://www.zis.gov.rs/upload/documents/pdf\\_sr/pdf/glasnik/GIS\\_2013/GIS\\_2013\\_4.pdf](http://www.zis.gov.rs/upload/documents/pdf_sr/pdf/glasnik/GIS_2013/GIS_2013_4.pdf)
9. **Electronic tour guide for Android platform with the development of the multimedia travel book**, Patent number 1268U, Application N° 2012/3692 MP-2011/0068, Date of patent: 18.05.2012. Intellectual Property Office of Republic of Serbia  
[http://www.zis.gov.rs/upload/documents/pdf\\_sr/pdf/glasnik/GIS\\_2012/GIS\\_2012\\_4.pdf](http://www.zis.gov.rs/upload/documents/pdf_sr/pdf/glasnik/GIS_2012/GIS_2012_4.pdf)

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## 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>

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## AWARDS

(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”

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## PROJECTS

1. **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)
2. **Development of advanced system of hemodialysis monitoring with prediction of body fluid balance in children „LIFE\_FOR\_KIDS“**, The EUREKA Network Application E!13301 awarded the EUREKA (2020-2022)
3. **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**
4. **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)
5. **Development of curriculum and teacher competencies** for subjects in graduated academic studies of Information Technology accredited in 2017

6. **Development of curricula and teaching competencies** for subjects in graduated academic studies of Information Technology accredited in 2018
  7. **Development of curricula and teaching competencies** for subjects in Master Academic Studies Information Technology accredited in 2018
  8. **System for monitoring and evidence of daily rented apartments** - a project funded by the Innovation Fund through Innovation Vouchers, 2018
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## INVITED LECTURE

1. **"Development System for Measuring Traffic Flow based on Internet of Things"** 1<sup>st</sup> International Workshop on Intelligent Transportation & Information Technology, Beijing Jiaotong University, China, July 6<sup>th</sup>, 2019
  2. **"Fast Computation of Iteration-Based Simulation Method"** lecture at the Vilniaus kolegija/University of Applied Sciences/Faculty of Electronics and Informatics, Vilnius, Lithuania March 7, 2019, Erasmus+ teaching programme
  3. **"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
  4. **"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
  5. **"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
  6. **"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
  7. **"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
  8. **"Computer Algebra and Symbolic Processing"** invited lecture at the Goce Delcev University in Stip, Faculty of Electrical Engineering, Republic of Macedonia, December 10, 2015.
  9. **"Computer Algebra and Symbolic Processing"** invited lecture at the Tel Aviv University, Electrical Engineering-Systems Dept., August 03, 2011.
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## 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>
  - **IEEE member – Member Number 92101050**
  - **Union of Engineers and Technicians of Serbia – Member Number 563**
  - **President of Society for Innovations and Technical-Technological Development of Paracin**
  - **Scientific boards member – The research institute "Digital signal processing and computer vision", Don State Technical University (DSTU) (Rostov-on-Don, Russian Federation).**  
<http://mm-dsp.com/en/scientific-boards-members.html>
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## **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** - <http://www.journal.ftn.kg.ac.rs/editorial.htm>
  - <https://www.springer.com/gp/book/9783030706258>
- 

## **REVIEWER**

- **The Journal Tehnički vjesnik – Technical Gazette (TV-TG)** - [www.tehnicki-vjesnik.com/web/public/page](http://www.tehnicki-vjesnik.com/web/public/page)
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## **CERTIFICATE**

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

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## **LANGUAGES**

- **Serbian** – native
  - **English language** –Certificate: *EAQUALS* ([www.eaquals.org](http://www.eaquals.org)) certificate - The European Association for Quality Language Services – fluent
  - **Bosnian, Montenegrin, Croatian** – fluent
  - **Macedonian** - understand
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## PUBLICATIONS

1. 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](https://www.routledge.com/5G-Multimedia-Communication-Technology-Multiservices-and-Deployment/Bojkovic-Milovanovic-Fowdur/p/book/9780367178505?utm_source=crcpress.com&utm_medium=referral)
2. **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)
3. **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)
4. **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)
5. **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)
6. **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)
7. **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)
8. **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)
9. Damnjan Radosavljević, **Vladimir Mladenović**, *Web design*, Textbook, The Business Technical College of Vocational Studies, Užice, © 2014, ISBN: 978-86-83573-48-3 (in serbian)
10. Book chapter: *Telecommunications: Applications, Modern Technologies and Economic Impact*, Nova Science Publishers 2014, © Copyright 2004 – 2014, ISBN: 978-1-63117-141-3  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=47819](https://www.novapublishers.com/catalog/product_info.php?products_id=47819)

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### Relevant papers:

1. *Application of multigraph sampling method in network traffic design of simulation model of integrated telecommunication and computer network*, S. Miletić, **V. Mladenović**, and Ivan Pokrajac, E3S Web Conf., Volume 279, 2021, III International Conference “Energy Efficiency and Energy Saving in Technical Systems” (EEESTS-2021), <https://doi.org/10.1051/e3sconf/202127902011>, [https://www.e3s-conferences.org/articles/e3sconf/pdf/2021/55/e3sconf\\_eeests2021\\_02011.pdf](https://www.e3s-conferences.org/articles/e3sconf/pdf/2021/55/e3sconf_eeests2021_02011.pdf)
2. *A family of adaptive Volterra filters based on maximum correntropy criterion for improved active control of impulsive noise*, Asutosh Kar, Guttikonda Gowtham, Ankita Anand, Trideba Padhi, Pitikhate Sooraksa, **Vladimir Mladenovic**, *Circuits, Systems, and Signal Processing* (2021), ISSN 0278-081X, (Accepted)
3. *Pedestrian Detection with Super-resolution Reconstruction for Low-Quality Image*, Yi Jin; Yue Zhang; Yigang Cen; Yidong Li; **Vladimir Mladenovic**; Viacheslav Voronin, *Pattern Recognition* <https://doi.org/10.1016/j.patcog.2021.107846>



4. *Zero-Shot Learning to Index on Semantic Trees for Scalable Image Retrieval*, Kan, ShiChao; Cen, Yi; Cen, Yigang; **Vladimir, Mladenovic**; Li, Yang; He, Zhihai; IEEE Transactions on Image Processing, DOI: 10.1109/TIP.2020.3036779
5. *A new methodology for designing of tactical integrated telecommunications and computer networks for OPNET simulation*, S. Miletic, M. Milosevic, **V. Mladenovic**, OTEH 2020
6. *Spatial Characterization of Telecommunication Satellites Visible Above The Republic of Serbia*, S. Djukanovic, **V. Mladenovic**, M. Gligorijevic, D. Milosevic, I. Radojevic Aleksic, University Thought - Publication in Natural Science, 2020
7. *A Symbolic Encapsulation Point as Tool for 5G Wideband Channel Cross-Layer Modeling*, N. Stefanovic, M. Blagojevic, I. Pokrajac, M. Greconici, Y. Cen, **V. Mladenovic**, A special issue of Entropy 2020, 22(10), 1151; doi:10.3390/e22101151
8. *Higher order statistics of cooperative mobile-to-mobile relay communications over composite fading channels*, C. Stefanovic, S. Panic, **V. Mladenovic**, S. Jovkovic; M. Stefanovic, International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC), Vol. 35, No. 2, 2020, DOI: 10.1504/IJAHUC.2020.109792, <https://www.inderscience.com/info/inarticle.php?artid=109792>
9. *Fake news detector algorithms*, **V. Mladenovic**, A. Kar, D. Milosevic, I. Radojevic Aleksic, International Conference and Exhibition, Hotel "Izvor", Aranđelovac, Serbia, June 24–25, 2020, <http://www.infotech.org.rs/en/index.html>
10. *Hybrid detection of fake accounts on social networks*, D. Milosevic, A. Nandal, A. Dhaka, **V. Mladenovic**, I. Radojevic Aleksic, International Conference and Exhibition, Hotel "Izvor", Aranđelovac, Serbia, June 24–25, 2020, <http://www.infotech.org.rs/en/index.html>
11. *5G tool for evaluation and comparison of energy efficiency of mobile radio channel using second order statistics*, N. Stefanovic, A. Kar, **V. Mladenovic**, International Conference "Energy Efficiency and Energy Saving in Technical Systems" 2020 (EEESTS-2020), Rostov-on-Don, Russian Federation, June 16-17, 2020, <https://iopscience.iop.org/article/10.1088/1757-899X/900/1/012016/pdf>
12. *Nonlinear Acoustic Echo Cancellation with Kernelized Adaptive Filters*, S. Sankara, A. Kar, S. Burraa, M.N.S.Swamy, **V. Mladenovic**, vol. 166, pp. 1-7, Applied Acoustics, Elsevier, 2020. <https://linkinghub.elsevier.com/retrieve/pii/S0003682X20301080>
13. *A spectral-based pitch detection method*, Sergey Makov, Alexander Minaev, Ilya Grinev, Dmitry Cherhyshov, Boris Kudruavcev and **Vladimir Mladenovic**, AIP Conference Proceedings 2188, 050005 (2019), XV International scientific-technical conference "Dynamic of Technical Systems" (DTS-2019), Rostov-on-Don, Russia, 11–13 September 2019, <https://aip.scitation.org/doi/pdf/10.1063/1.5138432>
14. *Global Anomaly Detection based on a Deep Prediction Neural Network*, Ang Li, Zhenjiao Miao, Yigang Cen, **Vladimir Mladenovic**, Liequan Liang, Xinwei Zheng, HCC 13<sup>th</sup> Conference on Human Centered Computing (HCC) 2019, Čačak, Serbia, 5-9. August 2019.
15. *Usability testing of a smartphone telecare application for informal caregivers*, Irena Lovrenčić Držanić, **Vladimir Mladenović**, Matjaž Debevc, Vesna Dolničar, Andraž Petrovčič, Simona Hvalič Touzery and Ines Kožuh, HCC 13<sup>th</sup> Conference on Human Centered Computing (HCC) 2019, Čačak, Serbia, 5-9. August 2019.
16. *Development of an Algorithm Based on Artificial Intelligence and Neural Networks for Analyzing the Impact of the E-learning System on Students' Success*, M. Simeunovic, **V. Mladenovic**, National conference with international participation: Information technologies, education and entrepreneurship (ITOP2019), Čačak, 06-07 April 2019, Serbai, pg. 21-28
17. *Energy efficiency digital filter design for spectral analysis of primary electrical values*, **V. Mladenovic**, C. Stefanovic, and S. Makov, E3S Web of Conferences 104, 02002 (2019), [https://www.e3s-conferences.org/articles/e3sconf/abs/2019/30/e3sconf\\_eeests-2019\\_02002/e3sconf\\_eeests-2019\\_02002.html](https://www.e3s-conferences.org/articles/e3sconf/abs/2019/30/e3sconf_eeests-2019_02002/e3sconf_eeests-2019_02002.html)

18. *Multiple Procedures for Fast Computation of an Iteration-Based Simulation Method*, **V. Mladenović**, D. Milosević, M. Greconici, M. Lutovac, 5<sup>th</sup> International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2018, Palić, 11-14.06.2018 Serbia, ETRAN Society, Serbia, Session: EK11.8, pg. 798-801
19. *Environment and Graphical User Interface for Design of Continuous-Time Systems*, M. Lutovac, M. Lutovac-Banduka, **V. Mladenović**, 5<sup>th</sup> International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2018, Palić, 11-14.06.2018 Serbia, ETRAN Society, Serbia, Session: EK12.1, pp. 802-805
20. *Predictive Analytics for Students' Success*, D. Pokrajac, **V. Mladenovic**, 7<sup>th</sup> International Scientific Conference Technics and Informatics in Education, Faculty of Technical Sciences, Čačak, Serbia, 25–27<sup>th</sup> May 2018, pp 88-91, <http://www.ftn.kg.ac.rs/konferencije/tie2018/Radovi%20TIE%202018/EN/Proceedings%20TIE%202018.pdf>
21. *The Application of the Artificial Neural Network in Analysing the Spread Quality*, M. Petkovic, M. Blagojevic, **V. Mladenovic**, 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/pdf/2018/85/mateconf\\_dts2018\\_04042.pdf](https://www.matec-conferences.org/articles/mateconf/pdf/2018/85/mateconf_dts2018_04042.pdf)
22. *An Operation Reduction Using Fast Computation of an Iteration-Based Simulation Method with Microsimulation-Semi-Symbolic Analysis*, **Mladenovic, V.**, Milosevic, D., Lutovac, M., Cen, Y., Debevc, M. A special issue of Entropy 2018, Volume 20(1), 62; doi:10.3390/e20010062, ISSN 1099-4300, <http://www.mdpi.com/1099-4300/20/1/62> (M21)
23. *Defect inspection for structural texture surface based on generalized low-rank approximations of matrices*, Yan-Xing Wang, Yi-Gang Cen, Lie-Quan Liang, Ming Zeng, **Vladimir Mladenovic**, 2017 International symposium on intelligent signal processing and communication systems (ISPACS 2017), (2017), pg. 486-490, <https://ieeexplore.ieee.org/document/8266527/>
24. *Fast Computation of the Iteration-Based Simulation Method - Case Study of Non-coherent ASK with Shadowing*, **V. Mladenovic**, S. Makov, Y. Cen, M. Lutovac, Serbian journal of electrical engineering, Vol. 14, No. 3, October 2017, pp 415-431, [http://www.journal.ftn.kg.ac.rs/Vol\\_14-3/10-Mladenovic-Makov-Cen-Lutovac.pdf](http://www.journal.ftn.kg.ac.rs/Vol_14-3/10-Mladenovic-Makov-Cen-Lutovac.pdf) (M24)
25. *SURF Binarization and Fast Codebook Construction for Image Retrieval*, Shi-Chao Kan, Yi-Gang Cen, Yan-hong Wang, **V. Mladenovic**, Viacheslav Voronin, Journal of Visual Communication and Image Representation, Volume 49, November 2017, Pages 104-114, <http://www.sciencedirect.com/science/article/pii/S1047320317301694> (M21)
26. *Fusion of Deep Features and Weighted VLAD Vectors based on Multiple Features for Image Retrieval*, Y. Wang, Y. Cen, L. Liang, L. Zhang, V. Voronin, V. Mladenovic, 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/pdf/2017/46/mateconf\\_dts2017\\_05002.pdf](https://www.matec-conferences.org/articles/mateconf/pdf/2017/46/mateconf_dts2017_05002.pdf)
27. *An Operation – Reduced Calculation Method for Solving Complex Communication Systems*, **V. Mladenovic**, D. Milosevic, M. Lutovac, Studies in Informatics and Control, ISSN 1220-1766, vol. 26(2), pp. 213-218, 2017. <https://sic.ici.ro/wp-content/uploads/2017/06/SIC-2-2017-Art.9.pdf> (M23)
28. *Multi-separable dictionary learning*, Fengzhen Zhang, Yigang Cen, Ruizhen Zhaoa, Shaohai Hua, **V. Mladenovic**, Signal Processing, 2017
29. *An Advanced Adaptive System for Estimating the Duration of Dialysis for Children*, **V. Mladenović**, M. Kostić, D. Milošević, Dušan Paripović, Aleksandar Peulić, Miroslav Lutovac, Conference ETRAN (Society for Electronics, Telecommunications, Computers, Automation and Nuclear Engineering), Srebrno jezero 5 – 8. Jun 2017. Serbia&Montenegro, EK1.1



30. *An iteration-based simulation method for getting semi-symbolic solution of non-coherent FSK/ASK system by using computer algebra systems*, **V. Mladenovic**, S. Makov, V. Voronin, M. Lutovac, *Studies in Informatics and Control*, ISSN 1220-1766, vol. 25(3), pp. 303-312, 2016.  
[http://sic.ici.ro/?page\\_id=11567](http://sic.ici.ro/?page_id=11567) (M23)
31. *Contemporary symbolic modeling and analysis of analog integrated circuits and electrical engineering education with Wolfram language and Raspberry pi*, **V. Mladenović**, 3<sup>rd</sup> International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2016, ETRAN Society, Serbia, Session: Electric circuits and systems and signal processing, 13. June 2016, Zlatibor, Invited Talk
32. *A novel-iterative simulation method for performance analysis of non-coherent FSK/ASK systems over Rice/Rayleigh channels using the Wolfram language*, **Vladimir Mladenović**, Danijela Milošević, *Serbian journal of electrical engineering*, Vol. 13, No. 2, June 2016, pp 157-174,  
[www.journal.ftn.kg.ac.rs/Vol\\_13-2/02-Mladenovic-Milosevic.pdf](http://www.journal.ftn.kg.ac.rs/Vol_13-2/02-Mladenovic-Milosevic.pdf) (M24)
33. *Introduction of computer algebra systems in electrical engineering education using Wolfram language on Raspberry pi*, **Vladimir Mladenović**, Miroslav Lutovac, Sergey Makov, *Technics and informatics in education*, 6<sup>th</sup> International Conference, Faculty of Technical Sciences, Čačak, Serbia, 28–29<sup>th</sup> May 2016, pp 226-231,  
[www.ftn.kg.ac.rs/konferencije/tio2016/Radovi%20TIO%202016/EN/Proceedings%20TIO%202016.pdf](http://www.ftn.kg.ac.rs/konferencije/tio2016/Radovi%20TIO%202016/EN/Proceedings%20TIO%202016.pdf)
34. *Software for modeling, analysis, and design of filters with LC sections and quartz crystals*, Miroslav Lutovac, **Vladimir Mladenovic**, International scientific conference on ICT and e-business related research, April 22, 2016, Belgrade, pp 277-281, [www.sinteza.singidunum.ac.rs](http://www.sinteza.singidunum.ac.rs)
35. *Teaching electrical engineering using Wolfram language*, Miroslav Lutovac, **Vladimir Mladenović**, International scientific conference on ICT and e-business related research, April 22, 2016, Belgrade, pp 221-225, [www.sinteza.singidunum.ac.rs](http://www.sinteza.singidunum.ac.rs)
36. *Analysis of system with pure time-delay using computer algebra systems*, Miroslav Lutovac, **Vladimir Mladenovic**, Dragutin Debeljkovic, 23<sup>th</sup> Telecommunications forum, TELFOR 2015 IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia (serbian)
37. *Simulation relations symbol / noise and energy efficiency using by computer algebraic tools - case study OFDM receiver*, **V. Mladenovic**, M. Lutovac, *The Singidunum Journal of Applied Sciences* 2015 (in serbian), <http://portal.synthesis.singidunum.ac.rs/Media/files/2015/224-231.pdf>
38. *Contemporary Electronics with LTSpice and Mathematica*, M. Lutovac, **V. Mladenovic**, *The Singidunum Journal of Applied Sciences* 2015,  
<http://portal.synthesis.singidunum.ac.rs/Media/files/2015/134-138.pdf>
39. *Teaching contemporary electronics using Wolfram language*, M. Lutovac, **V. Mladenovic**, 2<sup>nd</sup> International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2015, ETRAN Society, Serbia, Session: Electric circuits and systems and signal processing
40. *Noncoherent FSK/ASK signal detection with two symbols correlated noise*, **V. Mladenovic**, M. Lutovac, 2<sup>nd</sup> International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2015, ETRAN Society, Serbia, Session: Electric circuits and systems and signal processing  
[http://etran.etf.rs/index\\_e.html](http://etran.etf.rs/index_e.html)
41. *Innovation of the knowledge about standardized computer networks and communications*, Ž. Micic, **V. Mladenovic**, University of Kragujevac, Serbia, *The Singidunum Journal of Applied Sciences*, ISSN: 2217-8090 (printed version), ISSN: 2217-8783 (electronic version), doi: 10.15308/SInteZa-2014-439-445, pages 439-445, <http://sinteza.singidunum.ac.rs/en/>
42. *Development of Aeronautical Communication System for Air Traffic Control Using OFDM and Computer Algebra Systems*, Maja Lutovac, **Vladimir Mladenović**, Miroslav Lutovac, *journal Studies in Informatics and Control*, ISSN 1220-1766, <https://sic.ici.ro/past-issues/volume22-issue2-2013/lutovac/> (M23)

43. *Symbolic Analysis as Universal Tool for Deriving Properties of Non-linear Algorithms – Case study of EM Algorithm*, **Vladimir Mladenović**, Miroslav Lutovac and Dana Porrat, Journal of Applied Sciences, Acta Polytechnica Hungarica, pg 117-136, ISSN 1785-8860, [http://www.uni-obuda.hu/journal/Mladenovic\\_Lutovac\\_Porrat\\_48.pdf](http://www.uni-obuda.hu/journal/Mladenovic_Lutovac_Porrat_48.pdf) (M23)
44. *Automated Proving Properties of Expectation-Maximization Algorithm Using Symbolic Tools*, **V. Mladenovic**, M. Lutovac, M. Lutovac, Telfor Journal, Vol. 4, No. 1, 2012., ISSN 1821-3251, [http://journal.telfor.rs/Published/Vol4No1/Vol4No1\\_A10.pdf](http://journal.telfor.rs/Published/Vol4No1/Vol4No1_A10.pdf)
45. *The direct execution of the expectation-maximization algorithm using symbolic processing*, **Vladimir M. Mladenovic**, Dana Porrat, Miroslav D. Lutovac, 10<sup>th</sup> International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services- TELSIS – IEEE societies: MTT, AP, Communications, and Region 8., October 5-8, 2011, Nis, Serbia&Montenegro ISBN: 978-1-4244-4381-9  
[http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6112048&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D6112048](http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6112048&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6112048)
46. *Automated Proving Properties of Expectation-Maximization Algorithm using Symbolic Tools*, **V. Mladenovic**, M. Lutovac, M. Lutovac, 19<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2011 IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 22-24. November 2011, ISBN 978-1-4673-2984-2  
[http://journal.telfor.rs/Published/Vol4No1/Vol4No1\\_A10.pdf](http://journal.telfor.rs/Published/Vol4No1/Vol4No1_A10.pdf)
47. *Simulation of OFDM Transmitters and Post Processing with SchematicSolver and Mathematica as a Computer Algebra System*, **V. Mladenovic**, D. Porrat, M. Lutovac, 5<sup>th</sup> European Conference on Circuits and Systems for Communications (ECCSC'10), November 23–25, 2010, Belgrade, Serbia <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5733911>
48. *Application tools for symbolic processing in the OFDM transmitter simulation*, Miroslav Lutovac, **Vladimir Mladenovic** i Božimir Mišković, 18<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2010 IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia (serbian)
49. *Post-processing with advanced symbolic simulation and design using SchematicSolver and Mathematica*, M. Lutovac, **V. Mladenovic**, 9<sup>th</sup> International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services- TELSIS – IEEE societies: MTT, AP, Communications, and Region 8., October 7 - 9, 2009. Nis, Serbia&Montenegro  
<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5339429&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel5%2F5325507%2F5339385%2F05339429.pdf%3Farnumber%3D5339429>
50. *Signal detection of coherent PSK in two time moment sampling when correlated noise and fading are present*, **V.Mladenovic**, PhD S.Bjelic, Proceeding of The Advanced School of Electrotechnical Engineering Zvecan, March, 2007, page 113-120
51. *Broadband VHF aeronautical communication system*, **V.Mladenovic**, PhD M.Lutovac, 15<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2007, IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 20, 21 and 22. November 2007, RC#3.16
52. *Detection of signal in two time moments when the noise correlated and in presence fading*, **V.Mladenovic**, 50. Conference ETRAN (Society for Electronics, Telecommunications, Computers, Automation and Nuclear Engineering), Serbian IEEE section, Belgrade 6 – 9. Jun 2006. Serbia&Montenegro, TE3.7
53. *Signals and signal processing in Technical Information System of Holcim Serbia*, G.E.E. C.Nilsen, **V.Mladenovic**, 14<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2006, IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia 21, 22 and 23. November 2006, SAA#9.26
54. *Changing Capacity of Channel When Shadowing and Noise are Present*, **V.Mladenovic**, Stefanavic M., International Conference on Communication, Computer and Power (ICCCP'05 – IEEE Oman Session), Oman February, 2005, Session 4 (CSP)
55. *The Characteristics of the Phase and Derivation of the Phase When Fading is Present*, **V.Mladenovic**, Radenkovic D, International Conference on Communication, Computer and Power (ICCCP'05 - IEEE Oman Session), Oman February, 2005, Session 7 (CSP)

56. *The channel capacity of PSK system with two samples per bit*, **V.Mladenovic**, PhD M.Petrovic, TELFOR 2005 – IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia&Montenegro, SPS#4.8
57. *Performances of cascade complex FSK-ASK telecommunication system*, **V.Mladenovic**, B. Stankovic, INFOTEH 2003, Republic of Serbia
58. *Capacity of fading channel for noncoherent FSK detection*, **V.Mladenovic**, M.Stefanovic, The 2003 International Conference on Communications in Computing (CIC'03, June 23-26, 2003, Las Vegas, Nevada, USA, Paper ID #: 128CI,
59. *The characteristics of the envelop and derivation of the envelop when fading is present*, **V.Mladenovic**, Lj.Jovanov, 6<sup>th</sup> International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services- TELSIS – IEEE societies: MTT, AP, Communications, and Region 8., October 1-3, 2003, Nis, Serbia&Montenegro, page 653-655  
[http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=1246309&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D1246309](http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=1246309&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D1246309)
60. *Coherent detection FSK where fading present*, **V.Mladenovic**, E.Ramusovic, YUINFO 2002, Serbia&Montenegro
61. *Noncoherent detection FSK with envelope detector where fading present*, **V.Mladenovic**, M. Milicevic, ICEST 2002, Nis, Serbia&Montenegro, page 581-583
62. *Coherent detection FSK when fading present with Rician distributing*, **V.Mladenovic**, K. Samir, TELFOR 2002 – IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia&Montenegro, page 272-274

#### Other publications:

63. *Analysis of Stator and Rotor Windings of Induction Motors*, G. Madescu, M. Greconici, M. Mot, M. Biriescu, **V. Mladenović**, 8<sup>th</sup> International Maritime Science Conference (IMSC 2019), 11-12 April, 2019, Budva, Montenegro
64. *Software architecture design with "4+1" model by using Wolfram language – case study of electronic log*, Sanja Mladenović, Vladimir Mladenović, Damnjan Radosavljević, Miroslav Lutovac, Business process reengineering in education, 3<sup>th</sup> National Conference with international participation Čačak, 25 - 27. September 2015., pg 193-201, [http://www.ftn.kg.ac.rs/konferencije/rppo15/index\\_en.html](http://www.ftn.kg.ac.rs/konferencije/rppo15/index_en.html)
65. *Electronic Tour Guide for Android Mobile Platform with Multimedia Travel Book*, **Vladimir Mladenović**, Member IEEE, Maja M. Lutovac, Miroslav D. Lutovac, Senior Member IEEE, 20<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2012 IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 22-24 November 2012
66. *Model project solar power plants in central Serbia*, **V. Mladenovic**, BSc EE Radovan Živkovic, 2<sup>th</sup> REGIONAL CONFERENCE INDUSTRIAL ENERGY AND ENVIRONMENTAL PROTECTION IN THE COUNTRIES OF SOUTHEASTERN EUROPE, Session VIII, 22-26 June 2010, Zlatibor, Serbia (serbian)
67. *Fast Computation of Square Root for L-IRL Robots*, Maja Lutovac, Miroslav Lutovac, **Vladimir Mladenovic**, METALURGIA INTERNATIONAL JOURNAL, ISSN 1582-2214, vol. 6, pg
68. *Significance photovoltaic conversion depending on temperature range of solar cell*, **V. Mladenovic**, PhD EE S. Bjelic, BSc EE R. Kragic, 2<sup>th</sup> REGIONAL CONFERENCE INDUSTRIAL ENERGY AND ENVIRONMENTAL PROTECTION IN THE COUNTRIES OF SOUTHEASTERN EUROPE, Session VIII, 22-26 June 2010, Zlatibor, Serbia (serbian)
69. *Modeling events faults using negative sequence component and 3rd harmonic in data acquisition systems of electrical networks*, **V. Mladenovic**, PhD EE S. Bjelic, 9<sup>th</sup> INTERNATIONAL CONFERENCE ON APPLIED ELECTROMAGNETICS PES 2009, IEEE Serbia&Montenegro Section, August 31 - September 02, 2009, Niš, Serbia

70. *Modern development tendencies in electrical networks process analysis using digital signal processing*, **V. Mladenovic**, BSc R. Zivkovic, Proceeding of The High Technical School of Professional Studies Pozarevac, October 2009, UDK: 621.311.1:621.391 (original science paper)
71. *Diagnosing melanoma using digital image processing*, **V.Mladenovic**, Dr Sci S. Miletić, Dr Sci P. Božić, 17<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2009 IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 24, 25 and 26. November 2009
72. *Methodological Approach Development of Data Acquisition And Processing Systems In Electrical Networks*, **V. Mladenovic**, PhD S. Bjelic, TEHNIKA, Serbian scientific and technical magazine
73. *A New Methodology of Research of Appearances in Electrical Networks using Digital Signal Processing*, **V. Mladenovic**, PhD S. Bjelic, ETRAN 2008, Serbian IEEE section
74. *Algorithms and Possible Methods of Emergency Control Electrical Network*, PhD S. Bjelic, **MSc V. Mladenovic**, 9<sup>th</sup> Symposium on Neural Network Applications in Electrical Engineering September 25–27, 2008, Belgrade, Serbia, # RS2.3
75. *Influence of nondominant higher harmonics to dominant basic harmonic in electrical networks*, PhD S.Bjelic, **V.Mladenovic**, Proceeding of The Advanced School of Electrotechnical Engineering Zvecan, March, 2007, page 127-132
76. *Estimation of time characteristic of measurement – information system*, **V.Mladenovic**, PhD S.Bjelic, Proceeding of The Advanced School of Electrotechnical Engineering Zvecan, March, 2007, page 121-126
77. *Negative electromagnetic radiation effects mobile phones in security environment*, PhD S.Bjelic, **V.Mladenovic**, International discussion Protection of environment in industrial environments, Kosovska Mitrovica 19-20 April 2007
78. *Digital filter for obtaining negative sequence component in electrical networks*, PhD M.Vujicic, **V.Mladenovic**, ETRAN 2007, Serbian IEEE section
79. *Electrical filters for analyses of cross processes*, PhD S.Bjelic, **V.Mladenovic**, ETRAN 2007, Serbian IEEE section
80. *The probability error of detection of faults using zero component in symmetrical system of electrical networks*, PhD S.Bjelic, **V.Mladenovic**, Electric Power Engineering 2007 the 8<sup>th</sup> International Scientific Conference, June 12 - 14, 2007, Czech Republic, Paper N° 2
81. *The capacitance coupling like alternative to inductance for measurement symmetrical current's components in electrical networks*, MSc U.Jaksic, BSc S.Tonic, PhD S.Bjelic, **V.Mladenovic**, PhD M.Vujicic, 8<sup>th</sup> INTERNATIONAL CONFERENCE ON APPLIED ELECTROMAGNETICS PES 2007, IEEE Serbia&Montenegro Section, September 3 – 5, 2007, Niš, Serbia, O2-6
82. *Separation of negative sequence using prototype of allpass filter*, **V.Mladenovic** PhD S.Bjelic, 15<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2007, IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 20, 21 and 22. November 2007, SP#5.6
83. *Stochastic character of unsymmetrical components as prerequisite for processes of acquisition and detection*, PhD M. Vujicic, **V.Mladenovic**, 15<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2007, IEEE COM SOC Chapter Serbia & Montenegro Belgrade, Serbia 20, 21 and 22. November 2007, AEE#7.8
84. *Development of aeronautical communication system using computer algebra systems*, PhD M.D.Lutovac, **V.M.Mladenovic**, XXV Simposium of a new technologies in post office and telecommuncaton traffic - PosTel 2007, Belgrade, 11-12. December 2007.
85. *Probability error of unideal extraction of discret phase shift using zero components*, **V.Mladenovic**, PhD S.Bjelic, INFOTEH 2006, Republic of Serbia, Sesija D
86. *Devices in the system of protection for short connection and electric shocks of high currents and overload*, PhD S.Bjelic, **V.Mladenovic**, MSc U.Jaksic, Proceeding Technical Education Conference, Cacak, Serbia&Montenegro April, 2006.
87. *Analogue and digital modular measuring instruments*, MSc U.Jaksic, **V.Mladenovic**, Proceeding Technical Education Conference, Cacak, Serbia&Montenegro, April, 2006.

88. *Settings the audio – video systems*, **V.Mladenovic**, MSc U.Jaksic, Proceeding Technical Education Conference, Cacak, Serbia&Montenegro 13-16 April, 2006
89. *Measuring of nonsymmetrical components in power energy networks*, **V.Mladenovic**, PhD Slobodan Bjelic, The IASTED International Conference on Power, Energy, and Applications PEA(2006), September 11-13, 2006, Gaborone, Botswana, ID#506-047
90. *Discret signal processing in function of measurments, control and protection of power system versus short contacts*, **V.Mladenovic**, PhD S.Bjelic, Proceeding of The Advanced School of Electrotechnical Engineering Pozarevac, April 2006.
91. *Process control system using complex modules*, G.E.E. C.Nilsen, **V.Mladenovic**, The Fifteenth National Scientific and Aplied Science Conference - ELECTRONICS-ET2006, 20 – 22 September 2006., Sozopol, Bulgaria, Paper P.3.16, BOOK 4 ISBN 954-438-567-3, page 21-27
92. *The capacity of channel of complex BPSK-LP system*, **V.Mladenovic**, PhD M.Petrovic, The Fifteenth National Scientific and Aplied Science Conference - ELECTRONICS-ET2006, 20 – 22 September 2006., Sozopol, Bulgaria, BOOK 1, ISBN 954-438-564-9, Paper B.1, page 15-19
93. *The voltage dependence of control current symetrical components on the output of the distant current's sonde*, MSc U.Jaksic, **V.Mladenovic**, PhD S.Bjelic, The Fifteenth National Scientific and Aplied Science Conference - ELECTRONICS-ET2006, 20 – 22 September 2006., Sozopol, Bulgaria, BOOK 4 ISBN 954-438-567-3, Paper P.3.17, page 15-20
94. *Algorithm of measurment – information system to make diagnosis faults in electrical networks*, PhD S.Bjelic, **V.Mladenovic**, 14<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2006., IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia 21, 22 and 23. November 2006 (in Serbian), PEL#7.6
95. *Digital filter for obtaining inverse component in electrical networks*, **V.Mladenovic**, PhD M.Petrović, PhD S.Bjelic, 14<sup>th</sup> TELECOMMUNICATIONS FORUM, TELFOR 2006., IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia 21, 22 and 23. November 2006 (in Serbian), OS#5.1
96. *Parametrical lowpass filters higher order as models to obtain digital filters*, **V.Mladenovic**, PhD S.Bjelic, Proceeding of The Advanced School of Electrotechnical Engineering Zvecan, December 2006
97. *Influence harmonics of higher order to form of real signal basic frequency in electrical networks*, **V.Mladenovic**, PhD M.Vujicic, Proceeding of The Advanced School of Electrotechnical Engineering Zvecan, December 2006
98. *System control and monitoring using human machine interface*, **V.Mladenovic**, G.E.E. C.Nilsen, 2005 – IEEE COM SOC Chapter Serbia & Montenegro, Belgrade, Serbia&Montenegro, PU#1.5
99. *Expanding of Information System in Serbian Glass Factory in Paracin*, **V.Mladenovic**, M.Dupalo, S.Parc, YUINFO 2003, Serbia&Montenegro, page 33