

PETAR SPALEVIĆ

E-mail: pspalevic@sinergija.edu.ba

Knjige:

- P. Spalević, B. Jakišić, S. Panić, **Praktikum laboratorijskih vežbi iz programskog jezika Delphi, Fakultet tehničkih nauka u Kosovskoj Mitrovici, 2018**
- K. Kuk, I. Milentijević, D. Rančić, P. Spalević, **Designing Intelligent Agent in Multilevel Game-Based Modules for E-Learning Computer Science Course, Chapter in book: e-Learning Paradigms and Applications; Sub title: Agent-based Approach, Springer-Verlag, Germany, Series: Studies in Computational Intelligence, Vol. 528, 2014**
- P. Spalević, S. Panić, **Analysis of wireless transmission improvement in specific propagation environments, Faculty of Technical Science Kosovska Mitrovica, 2014**
- S. Panić, M. Stefanović, J. Anastasov, P. Spalević, **Fading and Interference Mitigation in Wireless Communications, CRC Press, 2013**
- M. Stefanović, J. Anastasov, S. Panić, P. Spalević, Ć. Dolićanin, **Channel Capacity Analysis Under Various Adaptation Policies and Diversity Techniques over Fading Channels, Chapter 10 from "Wireless Communications and Networks - Recent Advances", 2012**

Radovi u časopisima:

- F. Markovic, L. Jovanovic, P. Spalevic, J. Kaljevic, M. Zivkovic, V. Simic, H. Shaker, N. Bacanin, **Parkinsons Detection from Gait Time Series Classification Using Modified Metaheuristic Optimized Long Short Term Memory, NEURAL PROCESSING LETTERS, Vol. 57, No. 14, pp. 1 - 29, Feb, 2025**
- S. Purkovic, L. Jovanovic, M. Zivkovic, M. Antonijevic, E. Dolicanin, E. Tuba, M. Tuba, N. Bacanin, P. Spalevic, **Audio analysis with convolutional neural networks and boosting algorithms tuned by metaheuristics for respiratory condition classification, Journal of King Saud University - Computer and Information Sciences, No. 102261, pp. 1 - 71, Dec, 2024**

- H. Abdullah Majid, P. Biševac, R. Ivković, P. Spalević, S. Milosavljević, Utilizing Artificial Intelligence for Text Segmentation from Images, *Electrical Review (Przeglad Elektrotechniczny)*, Vol. 100, No. 2, pp. 255 - 258, Feb, 2024
- A. Minic, L. Jovanovic, N. Bacanin, C. Stoean, M. Zivkovic, P. Spalevic, A. Petrovic, M. Dobrojevic, R. Stoean, Applying Recurrent Neural Networks for Anomaly Detection in Electrocardiogram Sensor Data, *SENSORS*, Vol. 23, No. 24:9878, pp. 1 - 18, Dec, 2023
- B. Predic, L. Jovanovic, V. Simic, N. Bacanin, M. Zivkovic, P. Spalevic, N. Budimirovic, M. Dobrojevic, Cloud-load forecasting via decomposition-aided attention recurrent neural network tuned by modified particle swarm optimization, *Complex & Intelligent Systems*, pp. 1 - 21, Nov, 2023
- A. Petrovic, R. Damaševičius, L. Jovanovic, A. Toskovic, V. Simic, N. Bacanin, M. Zivkovic, P. Spalevic, Marine Vessel Classification and Multivariate Trajectories Forecasting Using Metaheuristics-Optimized eXtreme Gradient Boosting and Recurrent Neural Networks, *Applied Sciences*, Vol. 13, No. 16:9181, pp. 1 - 28, Aug, 2023
- P. Biševac, R. Ivković, P. Spalević, M. Simić, M. Gligorijević, Detection of Nanoparticles in Images Supported by Hybrid Method of Edge Detection, *Maejo Int. J. Sci. Technol.*, Jun, 2023
- M. Nešić, N. Milošević, P. Spalević, Z. Nikolić, M. Smilić, Wireless Communication System Performance in M2M Nakagami-m Fading Channel, *Sustainability*, Vol. 15, No. 4, pp. 1 - 16, Jun, 2023
- J. Todorović, P. Spalević, S. Panić, H. Abdullah Majid, I. Pantelić, Performance analysis of MPPM FSO transmission over Gamma-Chi-square strong atmospheric turbulence, *OPTICA APPLICATA*, Vol. 53, No. 1, pp. 116 - 126, Jun, 2023
- P. Biševac, R. Ivković, P. Spalević, Segmentation Techniques based on Image Quality and Edge Detection Algorithms, *JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH*, Vol. 82(04), pp. 432 - 437, Apr, 2023
- J. Todorović, B. Jakšić, P. Spalević, M. Dobrojević, I. Milovanović, Performance analysis of WSN-FSO system modeled by Gamma-Chi-square channel distribution, *Proceedings of the Estonian Academy of Sciences*, Vol. 72, No. 1, 2023, pp. 30 - 40, Jan, 2023
- S. Ilić, S. Ilić, I. Milovanović, P. Spalević, D. Miljković, A Comparison of Query Execution Speeds for Large Amounts of Data Using Various DBMS Engines Executing on Selected RAM and CPU Configurations, *Technical Gazette*, Vol. 29/No.1, pp. 346 - 353, Jan, 2022

- **N. Stanojević, B. Prlinčević, I. Milovanović, P. Spalević, M. Stanojević, S. Panić, Performance Analysis of Transmission Visible Watermarked Image over Zero Boresight Double Ricean Turbulence Channel, JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, No. 66, pp. 1370 - 1377, Dec, 2021**
- **E. Pecanin, P. Spalević, E. Mekić, S. Jović, I. Milovanović, E-learning engineers based on constructive and multidisciplinary approach, COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Vol. 27, No. 6, pp. 1544 - 1554, Nov, 2019**
- **M. Smilić, Z. Nikolić, D. Milić, P. Spalević, S. Panić, Comparison of adaptive algorithms for free space optical transmission in Málaga atmospheric turbulence channel with pointing errors, IET Communications, Vol. 13, No. 3, pp. 1 - 5, 2019**
- **V. Maksimović, P. Lekić, M. Petrović, B. Jakšić, P. Spalević, Proceedings of the Estonian Academy of Sciences, Proceedings of the Estonian Academy of Sciences, Vol. 68, No. 3, pp. 284 - 298, 2019**
- **B. Predić, M. Ilić, P. Spalević, S. Trajković, S. Jović, A. Stanić, Data mining based tool for early prediction of possible fruit pathogen infection, COMPUTERS AND ELECTRONICS IN AGRICULTURE, Vol. 154, pp. 314 - 319, 2019**
- **G. Dimić, B. Predić, D. Rančić, V. Petrović, N. Maček, P. Spalević, Association analysis of moodle e-tests in blended learning educational environment, Computer Applications In Engineering Education, pp. 867 - 880, Nov, 2018**
- **M. Smilić, B. Jakšić, D. Milić, S. Panić, P. Spalević, CHANNEL CAPACITY OF THE MACRODIVERSITY SC SYSTEM IN THE PRESENCE OF KAPPA-MU FADING AND CORRELATED SLOW GAMMA FADING, Facta universitatis-series: Electronics and Energetics, Vol. 31, No. 3, pp. 447 - 460, 2018**
- **S. Mohamed Himair, S. Jović, N. Arsić, P. Spalević, Detection and evaluation of heating load of building by machine learning, Sensor Review, Vol. 38, No. 1, pp. 99 - 101, 2018**
- **G. Dimić, D. Rančić, I. Milentijević, P. Spalević, Improvement of the Accuracy of Prediction Using Unsupervised Discretization Method: Educational Data Set Case Study, Technical Gazette, Vol. 25, No. 2, pp. 407 - 414, 2018**
- **B. Arsić, L. Bojić, I. Milentijević, P. Spalević, D. Rančić, Symbols: Software for Social Network Analysis, Facta Universitatis, Automatic Control and Robotics, Vol. 17, No. 3, pp. 205 - 222, 2018**

- S. Ilić, M. Petrović, B. Jakšić, S. Bojanić, P. Spalević, R. Babić, Implementing Master Program on Digital Broadcasting and Broadband Technologies, *ELECTRONICS*, Vol. 21, No. 2, pp. 100 - 107, 2018
- D. Jakšić, N. Stanojević, D. Stefanović, M. Josipovic, P. Spalević, Impact of LTE Base Station on Reception of DVB-T2 Signal, *International Journal of Engineering and Innovative Technology*, Vol. 2, No. 8, pp. 8 - 14, 2018
- A. Stefanović, S. Panić, P. Spalević, B. Prlincevic, M. Savić, SSC Reception over Kappa-Mu Shadowed Fading Channels in the Presence of Multiple Rayleigh Interferers, *ELEKTRONIKA IR ELEKTROTEHNIKA*, Vol. 24, No. 2, pp. 79 - 83, 2018
- M. Smilić, B. Jakšić, D. Milić, S. Panić, P. Spalević, Channel Capacity of the Macro-Diversity SC System in the Presence of Kappa-Mu Fading and Correlated Slow Gamma Fading, *Facta universitatis-series: Electronics and Energetics*, Vol. 31, No. 1, pp. 447 - 460, 2018
- B. Arsić, M. Đokić-Petrović, P. Spalević, I. Milentijević, D. Rančić, M. Živanović, SpecINT: A framework for data integration over cheminformatics and bioinformatics RDF repositories, *Semantic Web*, pp. 1 - 19, 2018
- A. Marković, Z. Perić, S. Panić, P. Spalević, B. Prlincevic, An Improved Method for ASEP Evaluation over Fading Channels Based on Q-Function Approximation, *IETE JOURNAL OF RESEARCH*, Vol. 64, No. 6, pp. 777 - 784, 2018
- B. Predić, G. Dimić, D. Rančić, P. Štrbac, N. Maček, P. Spalević, Improving final grade prediction accuracy in blended learning environment using voting ensembles, *COMPUTER APPLICATIONS IN ENGINEERING EDUCATION*, Vol. 26, No. 6, pp. 2294 - 2306, 2018
- N. Milošević, M. Stefanović, Z. Nikolić, P. Spalević, Č. Stefanović, Performance Analysis of Interference-Limited Mobile-to-Mobile kappa-mu Fading Channel, *WIRELESS PERSONAL COMMUNICATIONS*, Vol. 101, No. 3, pp. 1685 - 1701, 2018
- D. Jakšić, N. Stanojevic, D. Stefanovic, M. Josipovic, P. Spalević, Impact of LTE Base Stations on Reception DVB-T2 Signal, *International Journal of Engineering and Innovative Technology (IJEIT)*, Vol. 7, No. 8, pp. 8 - 14, 2018
- S. Milosavljević, D. Milić, B. Milosavljević, P. Spalević, S. Svetanović, Radio relay system with two section performance in the presence of Nakagami-m fading and Rician co-channel interference, *Safety Engineering*, Vol. 7, No. 1, pp. 9 - 14, 2017

- **A. Marković, S. Panić, B. Jakšić, P. Spalević, M. Smilić, Analysis of the Influence of Communication Parameters of FSO Channels on the Reception Quality, The University Thought – Publication in Natural Sciences, Vol. 7, No. 1, pp. 37 - 40, 2017**
- **S. Milosavljević, D. Milić, S. Trajković, P. Spalević, B. Milosavljević, Level Crossing Rate of Macrodiversity Output Process in the Presence Of η - μ Short Term Fading and Gamma Long Term Fading, Facta Universitatis, Automatic Control and Robotics, Vol. 16, No. 2, pp. 157 - 166, 2017**
- **G. Dimić, D. Rančić, I. Milentijević, P. Spalević, K. Plečić, Comparative Study: Feature Selection Methods in the Blended Learning Environment, Facta Universitatis, Automatic Control and Robotics, Vol. 16, No. 2, pp. 95 - 116, 2017**
- **D. Avdic, D. Rančić, P. Spalević, A. Avdić, E. Dolićanin, Real-Time Shadows in OpenGL Caused by the Presence of Multiple Light Sources, Technical Gazette, Vol. 24, No. 2, pp. 459 - 501, 2017**
- **M. Ilić, S. Jović, P. Spalević, I. Vujičić, Water cycle estimation by neuro-fuzzy approach, COMPUTERS AND ELECTRONICS IN AGRICULTURE, Vol. 135, pp. 1 - 3, 2017**
- **E. Pećanin, E. Mekić, P. Spalević, K. Himar Swihli, Trifocal constructive approach in developing coders, simulated, and hardware implemented, for the introduction of coding theory, Computer Applications In Engineering Education, Vol. 25, No. 5, pp. 867 - 880, 2017**
- **A. Marković, Z. Perić, S. Panić, P. Spalević, Z. Todorović, Improved Composite Q-Function Approximation and its Application in ASEP of Digital Modulations over Fading Channels, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 23, No. 3, pp. 73 - 88, 2017**
- **M. Ilić, B. Princevic, P. Spalević, S. Panić, D. Drajić, On the Transmission of Colour Image over Double Generalized Gamma FSO Channel, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 23, No. 2, pp. 78 - 83, 2017**
- **D. Jakšić, R. Bojović, P. Spalević, D. Stefanovic, S. Trajković, Performance Analysis of 5G Transmission over Fading Channels with Random IG Distributed LOS Components, International Journal of Antennas and Propagation, Vol. 2017, pp. 1 - 4, 2017**
- **Č. Stefanovic, S. Panić, N. Stamenković, P. Spalević, D. Došić, Z. Perić, Performance analysis of SSC diversity reception over η - μ fading channel in the presence of CCI, International Journal of Electronics Letters, Vol. 4, No. 3, pp. 302 - 312, 2016**

- **M. Smilić, S. Panić, M. Savić, P. Spalević, D. Milić, HK Distribution Model for Atmospheric Turbulence Channel under the Influence of Pointing Errors, University thought - Publication in Natural Sciences, Vol. 6, No. 2, pp. 27 - 31, 2016**
- **M. Ilić, D. Rančić, P. Spalević, Comparison of data mining algorithms, inverted index search and suffix tree clustering search, Facta Universitatis, Automatic Control and Robotics, Vol. 15, No. 3, pp. 171 - 185, 2016**
- **S. Panić, M. Stefanovic, J. Anastasov, B. Nikolić, P. Spalević, D. Stefanovic, Outage probability of correlated SIR-based SSC diversity systems over composite K-G fading/shadowing channels, Automatika, Vol. 57, No. 1, pp. 261 - 267, 2016**
- **B. Prlincevic, S. Panić, P. Spalević, M. Mišić, A. Amniesi, V. Stojanović, On the Transmission of Double Watermarked Image over Rician FSO Channel, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 22, No. 3, pp. 83 - 88, 2016**
- **Z. Bogičević, S. Bjelić, P. Spalević, M. Mišić, Graph-Analytical Method of Determining Impedance in Electrical Transformers, Mathematical Problems in Engineering, pp. 0 - 0, 2015**
- **B. Jakšić, D. Stefanović, M. Stefanović, P. Spalević, V. Milenković, Level Crossing Rate of Macrodiversity System in the Presence of Multipath Fading and Shadowing, Radioengineering, Vol. 24, No. 1, pp. 185 - 191, 2015**
- **S. Bijelić, P. Spalević, Z. Bogičević, B. Prlincevic, Generating control signals in the electro-energy networks using passive elements, Journal of Multidisciplinary Engineering Science and Technology-JMEST, Vol. 1, No. 4, pp. 248 - 253, 2014**
- **B. Jakšić, M. Petrović, P. Spalević, R. Ivković, S. Minić, 48. Branimir Jaksic, Mile Petrovic, Petar Spalevic, Ratko Ivkovic, Sinisa Minic, Digitalization of Radio through DRM Standard on Mediumwave and Shortwave, International Journal of Engineering and Innovative Technology (IJEIT), Vol. 3, No. 9, pp. 72 - 78, 2014**
- **S. Panić, M. Stefanovic, J. Anastasov, B. Nikolić, P. Spalević, D. Stefanovic, Outage probability of correlated SIR-based SSC diversity systems over composite KG fading/shadowing channels, Automatika, pp. 1 - -, 2014**
- **Č. Vasić, B. Predić, D. Rančić, P. Spalević, D. Avdić, Dynamic Relocation of Emergency Ambulance Vehicles Using the AVL Component of the GPS/GPRS Tracking System, Acta Polytechnica Hungarica, pp. 0 - 0, 2014**

- B. Jakšić, B. Gara, M. Petrović, P. Spalević, L. Lazić, Analysis of the Impact of Front and Back light on Image Compression with SPIHT Method during Realization of the Chroma Key Effect in Virtual TV Studio, Acta Polytechnica Hungarica, pp. 0 - 0, 2014
- P. Spalević, M. Stefanovic, S. Panić, B. Jakšić, M. Petrović, Performance Analysis of Selecting Maximal Ratio Combining Hybrid Diversity System over Ricean Fading Channels, Automatika, pp. 0 - 0, 2014
- P. Spalević, K. Kuk, N. Denić, M. Smilić, L. Lazić, M. Mićalović, Teaching unary logical operations via educational game, TTEM - Technics Technologies Education Management, Vol. 9, No. 2, pp. 325 - 331, 2014
- M. Stefanovic, S. Panić, N. Simić, P. Spalević, Č. Stefanovic, On the Macrodiversity Reception in the Correlated Gamma Shadowed Nakagami-m Fading, Technical Gazette, Vol. 21, No. 3, pp. 511 - 515, 2014
- P. Lekić, A. Micic, P. Spalević, J. Lekić, I. Krstić, Modified Eigenfilter Approach for Designing Digital Full-Band Differentiator of Arbitrary Order, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, Vol. 59, No. 2, pp. 173 - 181, 2014
- M. Petrović, B. Jakšić, P. Spalević, I. Milošević, L. Lazić, The development of digital satellite television in countries of the former Yugoslavia, Technical Gazette, Vol. 21, No. 4, pp. 881 - 887, 2014
- S. Ilić, S. Timotijević, D. Lazović, P. Spalević, A. Veljović, Comparison of different methods for extracting bone cross-sectional geometric properties from CT images, Serbian Journal of Electrical Engineering, Vol. 10, No. 2, pp. 247 - 260, 2013
- B. Jakšić, B. Gara, M. Petrović, P. Spalević, I. Milošević, Analysis of the Effects of Front and Back Lights in Chroma Key Effects During Implementation in Virtual TV Studio, International Journal Of Computers and Communacations - NAUN, Vol. 7, No. 3, pp. 90 - 97, 2013
- B. Jakšić, R. Ivković, B. Gara, M. Petrović, P. Spalević, Analysis of different influence of compression algorithm on the image filtered Laplacian, Prewitt and Sobel operator, International Journal of Darshan Institute on Engineering Research and Emerging Technology, Vol. 2, No. 1, pp. 68 - 76, 2013
- S. Ilić, M. Petrović, B. Jakšić, P. Spalević, L. Lazić, M. Milošević, Experimental analysis of picture quality after compression by different methods, Electrical Review (Przegląd Elektrotechniczny), Vol. 89, No. 11, pp. 190 - 194, 2013

- K. Kuk, P. Spalević, L. Spalević, B. Mirić, S. Jovković, Interactive Flash Environments Based on Bayesian Networks to Improve Learning Electronic Engineering, *Electrical Review (Przeglad Elektrotechniczny)*, Vol. 89, No. 1A, pp. 177 - 180, 2013
- S. Ilić, A. Zorić, P. Spalević, L. Lazić, Multithreaded Application for Real-Time Visualization of ECG Signal Waveforms and their Spectrums, *International Journal of Computers, Communications and Control*, Vol. 8, No. 4, pp. 548 - 559, 2013
- S. Ilić, P. Spalević, Using Wavelet Packets for Selectivity Estimation, *COMPUTER JOURNAL*, Vol. 56, No. 7, pp. 827 - 842, 2013
- V. Stanković, P. Spalević, Cooperative relaying with block DFT processing and full-duplex relays, *ELECTRONICS LETTERS*, Vol. 49, No. 4, pp. 300 - 302, 2013
- K. Kuk, I. Milentijević, D. Rančić, P. Spalević, M. Smilić, Z. Trajčevski, Interactive Multimedia as New Teaching Strategy in the Course of Programmable Logic Devices, *TTEM - Technics Technologies Education Management*, Vol. 8, No. 4, pp. 1790 - 1797, 2013
- A. Dimitrijević, D. Rančić, P. Spalević, A. Milosavljević, A. Kostić, Virtual Reality and GIS Integration for Radar Coverage Prediction, *TTEM - Technics Technologies Education Management*, Vol. 8, No. 3, pp. 962 - 969, 2013
- G. Dimić, K. Kuk, P. Spalević, Z. Trajčevski, Z. Todorović, Accuracy analysis of the classification model evaluation in the e-Learning environment, *TTEM - Technics Technologies Education Management*, Vol. 8, No. 2, pp. 667 - 675, 2013
- M. Bandur, N. Sekulović, M. Stefanovic, A. Golubović, P. Spalević, D. Milić, Second-Order Statistics of System with Microdiversity and Macrodiversity Reception in Gamma-Shadowed Rician Fading Channels, *ETRI JOURNAL*, Vol. 35, No. 4, pp. 722 - 725, 2013
- Č. Stefanovic, B. Jakšić, P. Spalević, S. Panić, Z. Trajčevski, Performance Analysis of Selection Combining over Correlated Nakagami-m Fading Channels with Constant Correlation Model for Desired Signal and Cochannel Interference, *Radioengineering*, Vol. 22, No. 4, pp. 1176 - 1181, 2013
- H. Stefanović, V. Stanković, M. Stefanović, P. Spalević, S. Panić, S. Milosavljević, Multi-user MIMO MMSE non-regenerative relaying using local channel state information, *EURASIP Journal on Advances in Signal Processing*, Vol. 186, pp. 1 - 8, 2012
- A. Žorić, S. Ilić, Đ. Perišić, P. Spalević, *WIRELESS ELECTROCARDIOGRAPHY SYSTEM*, *Scientific Research and Essays*, Vol. 7, No. 4, pp. 468 - 476, 2012

- K. Kuk, I. Milentijević, D. Rančić, P. Spalević, Pedagogical agent in Multimedia Interactive Modules for Learning - MIMLE, EXPERT SYSTEMS WITH APPLICATIONS, Vol. 39, No. 9, pp. 8051 - 8058, 2012
- E. Mekić, M. Stefanović, P. Spalević, N. Sekulović, A. Stanković, , Statistical Analysis of Ratio of Random Variables and Its Application in Performance Analysis of Multihop Wireless Transmissions, Mathematical Problems in Engineering, pp. 1 - 5, 2012
- D. Perišić, A. Žorić, S. Obradović, P. Spalević, Application of Frequency Locked Loop in Consumption Peak Load Control, Electrical Review (Przeglad Elektrotechniczny), Vol. 88, No. 1B, pp. 264 - 267, 2012
- A. Micić, P. Lekić, P. Spalević, V. Petrović, Degenerate Chebyshev Approximation of the Recursive Digital Filter Group Delay Response, Electrical Review (Przeglad Elektrotechniczny), Vol. 88, No. 5B, pp. 218 - 221, 2012
- K. Kuk, D. Rančić, P. Spalević, Z. Trajčevski, M. Mićalović, , Use Game Based Interactive Multimedia Modules to Learning Basic Concepts on Courses for Computing Science, Electrical Review (Przeglad Elektrotechniczny), Vol. 88, No. 5B, pp. 150 - 153, 2012
- K. Kuk, P. Spalević, S. Ilić, M. Carić, Z. Trajčevski, A Model for Student Knowledge Diagnosis through Game Learning Environment, TTEM - Technics Technologies Education Management, Vol. 7, No. 1, pp. 103 - 110, 2012
- E. Mekić, N. Sekulović, M. Bandur, M. Stefanovic, P. Spalević, The distribution of ratio of random variable and product of two random variables and its application in performance analysis of multi-hop relaying communications over fading channels, Electrical Review (Przeglad Elektrotechniczny), Vol. 88, No. 7A, pp. 133 - 137, 2012
- H. Stefanovic, V. Stanković, M. Stefanović, P. Spalević, S. Panić, S. Milosavljević, Multi-user MIMO MMSE non-regenerative Relaying Using Local Channel State Information, EURASIP Journal on Advances in Signal Processing, Vol. 2012, pp. 1 - 6, 2012
- P. Spalević, M. Stefanovic, S. Panić, S. Minić, L. Spalević, Amplify-and-Forward Relay Transmission System over Mixed Rayleigh and Hoyt Fading Channels, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 120, No. 4, pp. 21 - 25, 2012
- H. Stefanovic, I. Petrović, M. Stefanovic, S. Panić, P. Spalević, Multiple co-channel interferers influence on the selection diversity system over Rayleigh fading channels, Electrical Review (Przeglad Elektrotechniczny), Vol. 88, No. 1, pp. 222 - 225, 2012

- I. Petrović, Z. Nikolić, M. Stefanovic, S. Panić, P. Spalević, D. Bandur, Multiple co-channel interferers influence on selection combining over correlated Weibull fading channels, *FREQUENZ*, Vol. 66, No. 3-4, pp. 109 - 113, 2012
- K. Kuk, D. Jovanović, D. Jokanović, P. Spalević, M. Carić, S. Panić, Using Game Based Learning model - GBLm as a new teaching strategy for Computer Engineering, *Turkish Journal of Electrical Engineering and Computer Sciences*, Vol. 39, No. 9, pp. 8051 - 8058, 2012
- I. Petrović, Z. Nikolić, M. Stefanović, S. Panić, P. Spalević, D. Stefanović, Selection diversity receiver over correlated rayleigh fading channels in the presence of multiple interferers, *Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique*, Vol. 57, No. 1, pp. 61 - 69, 2012
- I. Petrović, M. Stefanovic, P. Spalević, S. Panić, D. Stefanović, Outage Analysis of Selection Diversity over Rayleigh Fading Channels with Multiple Co-Channel Interferers, *TELECOMMUNICATION SYSTEMS*, Vol. 57, No. 1, pp. 61 - 69, 2012
- S. Ilić, P. Spalević, M. Aleksić, N. Jančev, L. Lazić, Ž. Vasić, Donošenje odluka u urgentnoj medicini korišćenjem sistema za elektro kardiografiju baziranom na PC-u, *Tehnika*, Vol. 66, No. 3, pp. 507 - 513, 2011
- B. Jakšić, M. Stefanovic, P. Spalević, A. Savić, R. Bogdanović, Numerical Analysis of Relative Phase and Amplitude at the Interaction Two Solitons in Optical Fibers, *Serbian Journal of Electrical Engineering*, Vol. 8, No. 2, pp. 213 - 220, 2011
- A. Žorić, D. Perišić, S. Obradović, P. Spalević, PC-Based Virtual DTA Recording System Design, *Electrical Review (Przegląd Elektrotechniczny)*, Vol. 87, No. 12A, pp. 156 - 160, 2011
- A. Zorić, D. Perišić, S. Obradović, P. Spalević, Virtual Multisensors Data Acquisition and Analysis System Design, *ELEKTRONIKA IR ELEKTROTECHNIKA*, Vol. 116, No. 10, pp. 49 - 54, 2011
- M. Stefanovic, N. Sekulović, M. Gligorijević, M. Bandur, P. Spalević, Z. Popović, Statistics of Signal Envelope in Composite Multipath Fading/Shadowing Microcellular Environment, *TTEM - Technics Technologies Education Management*, Vol. 6, No. 4, pp. 1147 - 1151, 2011
- G. Popović, S. Panić, J. Anastasov, M. Stefanovic, P. Spalević, Cooperative MRC diversity over Hoyt fading channels, *Electrical Review (Przegląd Elektrotechniczny)*, Vol. 87, No. 12, pp. 150 - 152, 2011

- P. Spalević, V. Stanković, M. Stefanovic, S. Panić, A. Savić, Minimum mean-squared error multi-user MIMO receive filtering, *Electrical Review (Przeglad Elektrotechniczny)*, Vol. 87, No. 7, pp. 178 - 182, 2011
- D. Stefanovic, S. Panić, P. Spalević, Second Order Statistics of SC Macrodiversity System Operating over Gamma Shadowed Nakagami-m fading channels, *AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS*, Vol. 64, No. 5, pp. 413 - 418, 2011
- S. Panić, P. Spalević, J. Anastasov, M. Stefanovic, M. Petrović, On the performance analysis of SIR-based SSC diversity over correlated α - μ fading channels, *Computers and Electrical Engineering*, Vol. 37, No. 3, pp. 332 - 338, 2011
- P. Spalević, M. Stefanovic, S. Panić, B. Milošević, Z. Trajčevski, The co-channel interference effect on average error rates in Hoyt fading channels, *Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique*, Vol. 56, No. 3, pp. 305 - 313, 2011
- Z. Popović, S. Panić, J. Anastasov, P. Spalević, M. Stefanovic, Performance Analysis of Selection Diversity over Exponentially Correlated α - μ Fading Environment, *International Journal of Communication Systems*, Vol. 24, No. 7, pp. 925 - 937, 2011
- P. Spalević, K. Kuk, M. Carić, The Simple Assessment Model for Student's Knowledge – sMASK, *INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION*, pp. / - /, 2010
- P. Spalević, N. Sekulović, E. Mekić, Z. Georgios, Performance Analysis of SIR-Based Triple Selection Diversity Over Correlated Weibull Fading Channels, *Facta universitatis-series: Electronics and Energetics*, Vol. 23, No. 1, pp. 89 - 98, 2010
- P. Spalević, N. Sekulović, Z. Georgios, Performance analysis of system with triple selection combining over correlated Weibull fading channel in the presence of cochannel interference, *Facta universitatis-series: Electronics and Energetics*, Vol. 23, No. 1, pp. 87 - 96, 2010
- K. Kuk, D. Rančić, P. Spalević, G. Dimić, The System for Keeping Records of Radio and TV Receivers based on the Java J2ME Platform, *ELEKTRONIKA IR ELEKTROTEHNIKA*, Vol. 106, No. 10, pp. 121 - 124, 2010
- P. Spalević, B. Mirić, D. Vučković, S. Panić, Magnetic Field of Inductive Loop-Theory and Experimental Results, *ELEKTRONIKA IR ELEKTROTEHNIKA*, Vol. 99, No. 3, pp. 83 - 88, 2010

- S. Jovković, S. Panić, M. Stefanovic, P. Spalević, D. Krstic, Performance Analysis of SSC Diversity Receiver over Correlated Ricean Fading Channels in the Presence of co-channel interference, EURASIP Journal on Wireless Communications and Networking, Vol. 2010, pp. 1 - 5, 2010
- P. Spalević, S. Panić, Č. Dolićanin, M. Stefanovic, A. Mošić, SSC Diversity Receiver over Correlated α - μ Fading Channels in the Presence of co-channel interference, EURASIP Journal on Wireless Communications and Networking, Vol. 2010, pp. 1 - 7, 2010
- M. Stefanovic, B. Mirić, P. Spalević, S. Panić, Second Order Statistic Analysis of Selection Macro-Diversity Combining over Gamma Shadowed Rayleigh Fading Channels, Scientific Publications of the State University of Novi Pazar, Vol. 1, No. 1, pp. 1 - 10, 2009
- B. Milošević, P. Spalević, M. Petrović, D. Vučković, S. Milosavljević, Statistics of macro SC diversity system with two micro EGC diversity systems and Fast Fading, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 96, No. 8, pp. 55 - 58, 2009
- P. Spalević, M. Stefanovic, D. Stefanovic, S. Panić, Selection Combining Receiver in the Presence of Ricean Fading, WSEAS Transaction of Telecommunications, Vol. 8, No. 6, pp. 505 - 514, 2009
- P. Spalević, L. Spalević, B. Milošević, I. Petrović, The Influence of The Phase Shift of Interference on Signal Propagation along the Optical Fiber, ELEKTRONIKA IR ELEKTROTEHNIKA, Vol. 74, No. 2, pp. 25 - 28, 2007
- B. Mirić, D. Vučković, P. Spalević, Characteristics of Inductive Loops Applied in Telematics, Facta universitatis-series: Electronics and Energetics, Vol. 19, No. 1, pp. 147 - 156, 2006
- M. Stefanovic, P. Spalević, M. Petrović, D. Martinović, Comparison of Chirped Interference Influence on Propagation Gaussian and super Gaussian Pulse along the Optical Fibre, Journal of Optical Communication, Vol. 27, No. 6, pp. 305 - 309, 2006
- M. Stefanovic, D. Drača, P. Spalević, A. Panajotović, The Influence of Crosstalk Signal Interference on Signal Propagation Along the Nonlinear and Dispersive Fiber, Journal of Optical Communication, Vol. 26, No. 1, pp. 9 - 15, 2005
- M. Stefanovic, D. Drača, P. Spalević, A. Panajotović, The Influence of Interferometric Noise Nlace Appearance on IM-DD System Performance, Nonlinear Phenomenon in Complex Analysis (Belarus), Vol. 6, No. 4, pp. 870 - 877, 2003

- M. Stefanovic, D. Drača, A. Panajotović, P. Spalević, Analysis of Chirp-Free Optical Pulse Propagation Along a Nonlinear and Dispersive Fiber, *ELECTRONICS*, Vol. 6, No. 2, pp. 18 - 21, 2002
- M. Stefanovic, P. Spalević, The Interferometric Noise as a Performance Limiting Factor of IM-DD System, *Facta universitatis-series: Electronics and Energetics*, Vol. 21, No. 3, pp. 339 - 348, 2002
- M. Stefanovic, D. Milović, D. Krstic-Indjic, P. Spalević, Influence of Interchannel Interference on Optical Phase Diversity FSK Systems, *Facta universitatis-series: Electronics and Energetics*, Vol. 11, No. 3, pp. 285 - 290, 1998

Radovi na konferencijama:

- K. Milojkovic, T. Zivkovic, M. Zivkovic, P. Spalevic, L. Jovanovic, N. Bacanin, The IoT Networks Intrusion Detection by CatBoost Optimized with Altered Firefly Algorithm, 2025 International Conference on Circuit, Systems and Communication (ICCSC), IEEE, Fez, Morocco, pp. 1 - 6, Jun, 2025
- P. Biševac, P. Spalević, R. Ivković, Segmentation of digital images using deep neural networks for accurate vehicle damage recognition, Jun, 2023
- V. Radojčić, A. Cvetković, M. Dobrojević, P. Spalević, Artificial Intelligence is the key to success in practical application, *Zbornik radova Univerziteta Sinergija*, pp. 16 - 20, Nov, 2022
- D. Milic, M. Simic, B. Nikolic, M. Tuba, P. Spalević, Capacity of Adaptive Free Space Optical Transmission over Malaga Turbulence with Pointing Error using Truncated Channel Inversion, *IEEE 7th International Symposium on Digital Forensic and Security (ISDFS 2019)*, pp. 1 - 6, Jun, 2019
- P. Spalević, Model povezivanja televizijskih studija i mobilna uključenja korišćenjem RTP/TCP protokola, *Proceedings of International Scientific Conference on Information Technology and Data Related Research Sinteza 2019*, pp. 519 - 525, Apr, 2019
- B. Jakšić, J. Todorović, V. Maksimović, P. Spalević, R. Ivković, Terrestrial Digital Radio Services in Europe, *Proceedings of International Scientific Conference on Information Technology and Data Related Research Sinteza 2019*, pp. 498 - 504, Apr, 2019
- M. Abdulah, Ž. Spalević, M. Ilić, P. Spalević, N. Stanojević, Predlog meteorološke stanice namenjene upotrebi u poljoprivrednoj proizvodnji, *Book of Proceedings*

International Scientific Conference of Information Technology and Data Related Researchs - SINTEZA 2019, pp. 401 - 409, Apr, 2019

- **D. Đošić, D. Milić, Z. Nikolić, P. Spalević, Performance of Wireless Transmission under Weibull Fading Conditions in the Presence of A- μ Interference, Proceedings of Papers – 5th International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2018, Palić, Serbia, June 11 – 14, 2018., Jul, 2018**
- **M. Smilić, D. Milić, P. Spalević, Z. Nikolić, Performance of Free Space Optical communication in Malaga Channel with Zero / Non-Zero Boresight Pointing Error, Proceedings of Papers – 5th International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2018, Palić, Serbia, June 11 – 14, 2018., Jul, 2018**
- **V. Maksimović, M. Petrović, P. Spalević, B. Jakšić, I. Milentijević, Analysis of the Effect of White Balance and Color Temperature on Image Compression using Different Algorithms, Proceedings of Papers – 5th International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2018, Palić, Serbia, June 11 – 14, 2018., Jul, 2018**
- **R. Ivković, I. Milošević, M. Petrović, P. Spalević, S. Panić, Image Segmentation by Sobel Edge Detection Algorithm - Mosaic Method, Book of Proceedings International Scientific Conference on Information Technology and Data Related Research, pp. 189 - 196, Apr, 2018**
- **J. Stojković, B. Jakšić, M. Petrović, P. Spalević, B. Princevic, Poređenje uticaja konstantne i promenljive bitske brzine na broj TV kanala kod DVB-T2 standarda, Book of Proceedings International Scientific Conference on Information Technology and Data Related Research, pp. 189 - 196, Apr, 2018**
- **S. Milosavljević, D. Milić, P. Spalević, Performance of SC Diversity Receiver in Fading Environments with η - μ Distribution, Proceedings of Papers of 26th Telecommunications Forum (TELFOR), pp. 234 - 240, 2018**
- **P. Spalević, B. Mikarić, Primena bežičnih mreža u marketingu, Zbornik rezimea sa druge nacionalne naučno-stručne konferencije sa međunarodnim učešćem, pp. 4 - -5, 2018**
- **Ž. Spalević, M. Ilić, P. Spalević, Upotreba dela intelektualne svojine u Cyber prostoru, Book of Proceedings International Scientific Conference on Information Technology and Data Related Researc, pp. 50 - 57, 2018**
- **P. Spalević, B. Jakšić, I. Milovanović, M. Veinović, M. Petrović, Influence of the Parameters of the DVB-S/S2 Standards on the Capacity of a Satellite Transponder, TELSIS 2017, Oct, 2017**

- M. Stanojević, P. Spalević, M. Dukić, I. Milovanović, V. Šaljić, The Security Threats in Wireless Sensor Network for Secure Applications, Slovenian Section IEEE, pp. 112 - 115, Sep, 2017
- G. Dimić, J. Kajevec, D. Rancic, P. Spalević, D. Milić, Implementation of features selection methods and oversampling technique in blended learning environment, Twenty-sixth International Electrotechnical and Computer Science Conference ERK, pp. 403 - 406, Sep, 2017
- D. Radosavljevic, S. Ilić, J. Kajevec, P. Spalević, S. Milojevic, Using Data Mining for essential oils classification, Twenty-sixth International Electrotechnical and Computer Science Conference ERK 2017, pp. 395 - 398, Sep, 2017
- M. Stanojevic, P. Spalević, M. Dukic, I. Milovanovic, V. Saljic, The Security Threats in Wireless Sensor Network for Secure Applications, Twenty-sixth International Electrotechnical and Computer Science Conference ERK, pp. 112 - 115, Sep, 2017
- M. Stanojevic, P. Spalević, I. Milovanović, S. Stanojčić, The use of Secure Wireless Sensor Networks to Control and Protect Critical Infrastructure, LII International Scientific Conference on Information, Communication and Energy Systems and Technologies, Faculty of Electronic Engineering, University of Niš, pp. 253 - 256, Jun, 2017
- M. Stanojevic, P. Spalević, I. Milovanovic, S. Stanojčić, The use of Secure Wireless Sensor Networks to Control and Protect Critical Infrastructure, LII International Scientific Conference on Information, Communication and Energy Systems and Technologies, pp. 253 - 256, Jun, 2017
- M. Ilić, P. Spalević, S. Panić, M. Veinović, Mathematical model for the prediction of the pathogen's occurrence on fruit, 4th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN, pp. RTI2.4 - 1-6, Jun, 2017
- N. Milosevic, P. Spalević, B. Dimitrijević, Z. Nikolić, Outage probability of EGC receiver in TWDP channel, 4th International Conference on Electrical, Electronics and Computing Engineering,, pp. TEI1.3 - 1.4, Jun, 2017
- B. Prlincevic, P. Spalević, S. Panić, On the transmission of the halftoned image over Dobule-Weibull channel, 4th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN, pp. Tel 1.1 - 1.5, Jun, 2017
- M. Ilić, P. Spalević, Ž. Spalević, M. Veinović, K. Aleja, Deep web i dark web – Potreba ili zloupotreba, XVI međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA 2017, pp. 635 - 638, Mar, 2017

- B. Prlincevic, Z. Milivojevic, P. Spalević, D. Brodic, Poboljšanje performansi SVDU watermarking algoritma primenom MDB filtra, XVI međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, pp. 333 - 338, Mar, 2017
- M. Ilić, Ž. Spalević, P. Spalević, M. Veinović, A. Stojnev, Informatičko pravna karakterizacija upotrebe dronova u poljoprivredi, 23-a naučna konferencija YU INFO, pp. 121 - 126, Mar, 2017
- V. Maksimović, J. Todorović, P. Spalević, M. Petrović, B. Jakšić, The impact of successive B frames on video using H.264 and H.265 compression techniques, Proceedings of Papers of 26th Telecommunications Forum (TELFOR), pp. 241 - 244, 2017
- /. Micic, P. Spalević, D. Klimenta, Design of MIMC Pitch Controller for Large Scale Wind Turbine Generator, Proceedings of International Scientific Conference UNITECH, pp. 295 - 298, Nov, 2016
- S. Panić, B. Prlincevic, P. Spalević, A. Amnisi, M. Radojković, Performance analysis of FSO transmission of double watermarked image over double Gamma-Gamma fading channels, Twenty-fifth International Electrotechnical and Computer Science Conference ERK 2016, pp. 97 - 100, Sep, 2016
- B. Mirić, P. Spalević, A. Pavlović, Characteristics of Inductive Loops applied in Thelematics, 4th International Conference Contemporary Problems of Mathematics, Mechanics and Informatics CPMMI 2016, pp. 20 - 20, Jun, 2016
- M. Ilić, P. Spalević, M. Veinović, Predlog modela sistema za predikciju pojave jutarnjih mrazeva, Zbornik radova 60. Konferencije za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku – ETRAN, pp. RT 3.6 - 1-6, Jun, 2016
- M. Ilić, Ž. Spalević, P. Spalević, M. Veinović, Mobilno bankarstvo – primena i sigurnost, XXII konferencija YUINFO 2016,, pp. 252 - 255, Mar, 2016
- M. Ilić, P. Spalević, M. Veinović, W. Alatresh, Students' success prediction using Weka tool, Zbornik radova 15. Međunarodno naučno-stručnog Simpozijuma INFOTEH, Jahorina, pp. 684 - 688, Mar, 2016
- M. Mišić, B. Prlincevic, S. Panić, P. Spalević, A. Amnisi, Zavisnost performansi prenosa slike požara od atmosferskih prilika u slučaju korišćenja Rician FSO kanala, Infoteh Jahorina, pp. 329 - 333, Mar, 2016
- B. Jakšić, M. Petrović, P. Spalević, B. Milosavljević, M. Smilić, Direct-to-Home Television Services in Europe, Proceedings of International Scientific Conference SINTEZA, pp. 237 - 247, 2016

- **R. Ivković, M. Petrović, D. Miljković, P. Spalević, I. Milošević, Reduction of Snow and Rain Noise in Spatial Domain, Proceedings of International Scientific Conference SINTEZA 2016, pp. 287 - 292, 2016**
- **N. Micić, P. Spalević, An Efficient Optimization Algorithm for the PID Controller with Noise Filter, Proceedings of International Scientific Conference UNITECH, pp. 299 - 302, 2016**
- **D. Avdić, A. Avdic, P. Spalević, Ž. Spalević, Supporting M-Health through Android Application for Storing Anamnesis Data, Proceedings of International Scientific Conference SINTEZA, pp. 507 - 512, 2016**
- **N. Đorđević, D. Rančić, P. Spalević, Development of a Methodology for Evaluating the Quality in Use of WebGIS applications, Proceedings of International Scientific Conference 24th TELFOR 2016, pp. 946 - 947, 2016**
- **P. Spalević, E. Pećanin, S. Ilić, M. Veinović, S. Panić, Automatization of the ETL process on the isolated small scale database system, Proceedings of International Scientific Conference 24th TELFOR, pp. 794 - 797, 2016**
- **B. Arsić, M. Bašić, P. Spalević, M. Ilić, M. Veinović, Facebook profiles clustering, Proceedings of 6th International Conference on Information Society and Technology ICIST, pp. 154 - 158, 2016**
- **M. Ilić, Ž. Spalević, P. Spalević, M. Veinović, Mobilno bankarstvo-primena i sigurnost, Zbornik radova 22. naučne i biznis konferencije – YUINFO, 2016**
- **Z. Bogićević, S. Bijelić, P. Spalević, E. Abularjas, I. Ali, The model of oscillatory transient process when commutating the switches, Proceedings of International Scientific Conference ERK'2016, pp. 277 - 280, 2016**
- **B. Prlincevic, P. Spalević, Performance of the image transmission over FSO channel in the last-mile connection, Proceedings of International Scientific Conference 24th TELFOR 2016, pp. 277 - 283, 2016**
- **B. Prlincevic, S. Panić, P. Spalević, A. Kokić Arsić, B. Milosavljević, K. Hiamir Swhli, Performance of FSO Transmission of Color Image Over Double Generalized Gamma Turbulence Channel, Proceedings of International Scientific Conference UNITECH, pp. 163 - 165, 2016**
- **S. Panić, B. Prlincevic, P. Spalević, A. Amnisi, M. Radojković, FSO transmission of double watermarked image over Double Generalized Gamma turbulence channels, Proceedings of International Scientific Conference ERK, pp. 97 - 100, 2016**

- P. Spalević, B. Prlincevic, S. Panić, M. Veinović, A. Kokić Arsić, Performance analysis of FSO transmission over M atmospheric turbulence channels, Proceedings of International Scientific Conference - ICEST, pp. 123 - 126, 2016
- M. Mišić, B. Prlincevic, S. Panić, P. Spalević, B. Milosavljević, Zavisnost performansi prenosa slike požara kroz Rician FSO kanal od indeksa scincilacija, pp. 89 - 92, 2016
- P. Spalević, A. Marković, Z. Perić, B. Jakšić, A. Amnesi, Level Crossing Rate of SC Macrodiversity System with three SC Microdiversity Receivers over Shadowed α - κ - μ Fading Channel, 23rd Telecommunications Forum (TELFOR 2015), pp. 177 - 180, Nov, 2015
- A. Micic, M. Mišić, P. Spalević, ANALYSIS OF THE PID CONTROLLER PERFORMANCE/ROBUSTNESS TRADEOFF FOR DIFFERENT STRUCTURE AND ORDER OF THE NOISE FILTER - STABLE SISO PROCESS CASE, Int. Sci. Conference UNITECH-2015, pp. 402 - 405, Nov, 2015
- M. Ilić, P. Spalević, M. Veinović, A. Ennaas, Data mining model for early fruit diseases detection, Conference Proceedings, pp. 910 - 913, Nov, 2015
- P. Spalević, B. Jakšić, B. Prlincevic, I. Dinić, M. Smilić, Signal moments at the output from the macrodiversity system with three MRC micro diversity receivers in the presence of k - μ fading, 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIS 2015, pp. 271 - 274, Oct, 2015
- P. Spalević, B. Jakšić, B. Prlincevic, I. Dinić, M. Smilić, Signal Moments at the Output from the Macrodiversity System with Three MRC Micro Diversity Receivers in the Presence of k - μ Fading, 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIS), pp. 271 - 274, Oct, 2015
- D. Vučković, B. Prlincevic, P. Spalević, S. Panić, H. Skrijelj, Performance analysis of FSO transmission of image processing fire detection over Rician fading channels, Twenty-fourth International Electrotechnical and Computer Science Conference ERK, pp. 81 - 84, Sep, 2015
- M. Ilić, Ž. Spalević, P. Spalević, N. Arsić, M. Veinović, Paypal E-Commerce and E-Payment - Problems and Solutions, Proceedings International Scientific and Practical Conference "Computational and Informational Technologies in Science, Engineering and Education", pp. 145 - 156, Sep, 2015

- P. Spalević, A. Ljajić, E. Ljajić, B. Vučković, Sentiment analysis of textual comments in field of sport, Proceedings of the Twenty-fourth International Electrotechnical and Computer Science Conference ERK 2015, pp. 35 - 38, Sep, 2015
- P. Spalević, D. Vučković, B. Prlincevic, S. Panić, H. Škijelj, Analysis of FSO Transmission of Image Processing Fire Detection over Rician Fading Channels, Proceedings of the Twenty-fourth International Electrotechnical and Computer Science Conference ERK 2015, pp. 81 - 84, Sep, 2015
- A. Crnišanin, E. Ljajić, P. Spalević, B. Arsić, D. Vučković, Sentiment analysis of textual comments in field of sport, Proceedings of the Twenty-fourth International Electrotechnical and Computer Science Conference ERK, pp. 35 - 38, Sep, 2015
- M. Lutovac, P. Spalević, N. Arsić, Raspberry Pi, Mathematica, and Electrical Engineering Education, Computational Technologies, Vol 20, 2015, The Bulletin of KazNU, № 3(86), 2015, pp. 139 - 151, Sep, 2015
- B. Prlincevic, P. Spalević, M. Mišić, G. Popović, The effect of installation On-grid PV systems to improve energy efficiency buildings in region Zvečan, pp. 309 - 314, Jun, 2015
- Z. Bogičević, N. Marković, P. Spalević, M. Vujičić, DEVELOPMENT OF THE ALGORITHM FOR CALCULATION OF TRANSFORMER MAGNETIC CIRCUIT, 6th International Conference Dependability and Quality Management, pp. 270 - 277, Jun, 2015
- M. Ilić, P. Spalević, M. Veinović, D. Rančić, Unapredjenje procesa obrazovanja korišćenjem Data mining tehnika, Etran, pp. 1 - 4, Jun, 2015
- P. Spalević, B. Prlincevic, M. Misic, The Effect of Installation On-Grid PV Systems to Improve Energy Efficiency Buildings in Region Zvečan, Proceedings of the 6th DQM International Conference Life Cycle Engineering And Management ICDQM-2015, pp. 290 - 294, Jun, 2015
- Z. Bogičević, P. Spalević, S. Bjelić, M. Mišić, Application of Computer Simulation in Elementary Theory of Transformers, Proceedings of the 6th DQM International Conference Life Cycle Engineering And Management ICDQM-2015, pp. 278 - 283, Jun, 2015
- P. Spalević, B. Prlincevic, Z. Milivojevic, D. Brodić, Comparative Analysis of the MSD and MSDM Watermarking Algorithms Based on the Schur, I International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2015, pp. 258 - 261, Jun, 2015

- P. Spalević, D. Vučković, S. Panić, B. Jakšić, Č. Stefanović, Switch-and-Stay Reception over $\kappa - \mu$ Shadowed Fading Channels in the Presence of Co-Channel Interference, Proceedings of 2nd International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2015, pp. 1 - 4, Jun, 2015
- P. Spalević, B. Arsić, L. Bojić, A. Crnišanin, Social Networks in Logistics System Decision-Making,, 2nd Logistics International Conference (Logic 2015), pp. 166 - 171, May, 2015
- P. Spalević, B. Arsić, L. Bojić, A. Crnišanin, Social Networks in Logistics System Decision-Making, Proceedings of the 2nd Logistics International Conference LOGIC 2015, pp. 166 - 171, May, 2015
- Ž. Spalević, M. Ilić, P. Spalević, Electronic Monitoring Devices and Data Processing, Book of Proceedings International Scientific Conference of IT and Business-Related Research, pp. 242 - 247, Apr, 2015
- P. Spalević, B. Jakšić, D. Aleksić, S. Minić, I. Dinić, M. Stefanović, Gustina verovatnoće signala na izlazu iz makrodiverziti sistema sa tri mikrodiverziti SC prijemnika u prisustvu brzog K-M fedinga i gama sporog fedinga,, Book of Proceedings International Scientific Conference of IT and Business-Related Research, pp. 291 - 296, Apr, 2015
- P. Spalević, P. Lekić, B. Radovanović, S. Panić, M. Stefanović, B. Jakšić, System Performances in the Presence of one Fast Weibull and one Slow Gamma Fading, Book of Proceedings International Scientific Conference of IT and Business-Related Research, Apr, 2015
- B. Princevic, Z. Milivojevic, P. Spalević, D. Brodić, Performance of the SD Algorithm for inserting Watermark in Image Based on the Schur Decomposition, XIV International Symposium INFOTEH-JAHORINA, pp. 640 - 6445, Mar, 2015
- P. Spalević, B. Princevic, Z. Milivojevic, D. Brodic, Performanse SD algoritma za insertovanje vodenog žiga u slici baziranog na schur dekompoziciji, Proc. XIV International Scientific – Professional Symposium - Infoteh, pp. 640 - 643, Mar, 2015
- B. Arsić, M. Đokić, V. Cvjetković, P. Spalević, S. Ilić, Semantic search framework for distributed semantically based cheminformatics and bioinformatics datasets, 5th International Conference on Information Society and Technology, pp. 518 - 522, Mar, 2015
- M. Ilić, P. Spalević, S. Ilić, M. Veinović, E. Pećanin, Traditional vs. distance learning student tests, Zbornik Radova - XXI Konferencija YU-INFO 2015, pp. 333 - 336, Mar, 2015

- D. Vučković, S. Panić, P. Spalević, B. Jakšić, Č. Stefanović, Switch-and-Stay Reception over $\kappa - \mu$ Shadowed Fading Channels in the Presence of Co-Channel Interference, 2015
- A. Marković, Z. Perić, S. Panić, P. Spalević, Linear Spline Functions Based Analysis of Wireless Channels Transmission Subjected to Multipath Fading, 12th International Conference on Applied Electromagnetics PES, pp. 93 - 94, 2015
- B. Prlincevic, Z. Milivojevic, P. Spalević, D. Brodic, Comparative Analysis of the MSD and MSDM Watermarking Algorithms Based on the Schur Decomposition, pp. 258 - 261, 2015
- R. Ivković, M. Petrović, P. Spalević, D. Milojković, B. Gara, Uticaj linearnog osvetljenja na nivo detalja i entropiju slike, Zbornik radova konferencije Informacione Tehnologije-sadašnjost i budućnost 2014, ISBN: 978-86-85775-15-4, Žabljak, pp. 248 - 251, 2015
- P. Spalević, G. Dimić, D. Rančić, K. Kuk, Case Study - Application of Feature Selection Methods Ona Educational Data Set Extracted From Moodle LMS System, International Scientific Conference UNITECH 2014, pp. 315 - 321, Nov, 2014
- P. Spalević, D. Došić, Č. Stefanović, A. Marković, S. Suljevic, I. Dinić, Level Crossing Rate of Macrodiversity System Overgamma Shadowed Weibull Multipath Fading Channel, International Scientific Conference UNITECH 2014, pp. 187 - 195, Nov, 2014
- M. Ilić, P. Spalević, M. Veinović, E. Pećanin, Inverted Index Search in data Mining, Zbornik radova 22. konferencije Telfor, Beograd, pp. 943 - 946, Nov, 2014
- M. Ilić, P. Spalević, M. Veinović, Suffix Tree Clustering-Data mining algorithm, Twenty-Third International Electrotechnical and Computer Science Conference ERK'2014, Portorož, ISSN 1581-4572, B:15-18, September 22-24, Sep, 2014
- B. Arsić, M. Djokić, V. Cvjetković, P. Spalević, M. Živanović, M. Mladenović, Integration of bioactive substances data for preclinical testing with Cheminformatics and Bioinformatics resources, Twenty-Third International Electrotechnical and Computer Science Conference ERK'2014, Portorož, ISSN 1581-4572, B:146-149, September 22-24, Sep, 2014
- D. Djosić, Č. Stefanović, D. Milić, D. Radenković, P. Spalević, , Level Crossing Rate of Nakagami-m Signal Envelope Subjected to Gamma Shadowing, ICEST 2014, Niš, Serbia, ISBN 978-86-6125-109-2, Vol. 2, pp. 329 - 333, Jun, 2014
- M. Ilić, P. Spalević, V. Stanković, Examples of Numerical Alphabet – Video Tutorial, Proceedings of Singidunum University International Scientific Conference Impact of Internet on Business Activities in Serbia and Worldwide, pp. 356 - 361, Apr, 2014

- A. Crnišanin, P. Spalević, D. Rančić, M. Mićalović, Primena metode logističke regresije za određivanje sličnosti tekstualnih podataka, XIII međunarodni naučno-stručni simpozijum INFOTEH 2014, Jahorina, Bosna i Hercegovina, ISBN 978-99955-763-3-2, Vol. 13, pp. 784 - 788, Mar, 2014
- B. Jakšić, M. Petrović, P. Spalević, R. Ivković, A. Marković, Deset godina satelitske HDTV u Evropi, XIII međunarodni naučno-stručni simpozijum INFOTEH 2014, Jahorina, Bosna i Hercegovina, ISBN: 978-99955-763-3-2, Vol. 13, pp. 435-440, 19-21 mart, Mar, 2014
- P. Spalević, D. Đošić, C. Stefanovic, A. Marković, I. Dinić, Level crossing rate of macrodiversity system over Gamma shadowed Weibull multipath fading channel, Proceedings of papers / International Scientific Conference UNITECH 2014, pp. 187 - 195, 2014
- M. Ilić, P. Spalević, D. Rančić, M. Veinović, E. Pećanin, Algoritmi klasterizacije u Data Mining-u, Zbornik radova konferencije ETRAN 2014, RT 5.1, Vrnjačka Banja, 2014
- P. Spalević, A. Crnišanin, Predicting snowfall in Internet GIS for vehicle management system, Paper Proceedings of International Congress Motor Vehicles & Motors 2014, ISBN 978-86-6335-010-6, pp. 534 - 538, 2014
- Č. Stefanović, D. Milić, D. Djošić, D. Radenković, P. Spalević, Level crossing rate of wireless system over Gamma shadowed α - μ multipath fading channel, CD Proceedings of IcETLAN conference, TE II.7, Vrnjacka Banja, 2014
- B. Radovanović, P. Spalević, S. Panić, M. Stefanović, D. Milić, Statistical Characteristics of Signal in The Presence of Two Fast Nakagami-M and One Slow Gamma Fading, Proceedings of Singidunum University International Scientific Conference Impact of Internet on Business Activities in Serbia and Worldwide, ISBN: 978-86-7912-539-2, pp. 965-968, Belgrade, April 24-26, 2014
- R. Ivković, M. Petrović, P. Spalević, I. Milošević, D. Rančić, Model of Methodological Process of Teaching on Information and Communication Technologies, Proceedings of Singidunum University International Scientific Conference Impact of Internet on Business Activities in Serbia and Worldwide, ISBN: 978-86-7912-539-2, pp. 953-956, Belgrade, April 24-26, 2014
- P. Spalević, B. Jakšić, M. Petrović, M. Milošević, M. Smilić, Primena DAB standarda u digitalizaciji radija u Evropi, XIII međunarodni naučno-stručni simpozijum INFOTEH 2014, Jahorina, Bosna i Hercegovina, ISBN 978-99955-763-3-2, Vol. 13, pp. 429-434, 19-21 mart, 2014

- M. Bandur, P. Spalević, B. Jakšić, A. Marković, M. Smilić, Computer Simulation of Soliton Pulses Propagation through Birefringent Fiber in the Linear and Nonlinear Mode, 11th International Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services (TELSIKS), pp. 639 - 642, Oct, 2013
- S. Panić, P. Spalević, A. Marković, M. Stefanović, Performance Analysis of Wireless Communication System in Alpha-Kappa-Mu Environment Subjected to Shadowing, Matematičke i informacione tehnologije – MIT 2013, Vrnjačka Banja, Srbija, ISBN 978-86-80795-20-1, pp. 497 - 501, Sep, 2013
- P. Spalević, B. Jakšić, A. Marković, M. Smilić, V. Smilić, Modeling, simulation and analysis of signal transmission through DWDM system, 22nd International Electrotechnical and Computer Science Conference ERK 2013, ISSN 1581-4572, Portorož, Slovenia, September 16-18, pp. 81 - 84, Sep, 2013
- D. Djošić, Č. Stefanović, P. Spalević, N. Stamenković, N. Kontrec, M. Petrović, Second order statistics of MRC receiver over α - μ multipath fading channels, ICEST 2013, Ohrid, Republic of Macedonia, ISBN 978-9989-786-90-7, Vol. 2, pp. 83 - 87, Jun, 2013
- P. Spalević, B. Jakšić, A. Marković, Z. Todorović, V. Simić, Simulation of Effects of Group Velocity Dispersion on Gaussian Pulse Propagation through Optical Fiber, XLVIII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2013, ISBN 978-9989-786-89-1, Proceedings of Papers, Vol. 2, pp. 487-491, Ohrid, Republic of Macedonia, 26 - 29 June, Jun, 2013
- A. Pljasković, D. Avdić, P. Spalević, D. Rančić, Sphere and Cone Composite Realtime Shadows in OpenGL, IEICE Information and Communication Technology Forum (ICTF), pp. 345 - 350, May, 2013
- S. Panić, M. Stefanovic, P. Spalević, A. Marković, Performance analysis of wireless communication system over α - η - μ fading channels in the presence of CCI, XII međunarodni naučno-stručni simpozijum , INFOTEH, pp. 1 - 10, Mar, 2013
- G. Dimić, D. Prokin, K. Kuk, P. Spalević, Applying Educational Data Mining in E-Learning Environment, Simpozijum Infoteh-Jahorina, 16-19 Mart 2011, X međunarodni naučno-stručni simpozijum INFOTEH 2013, Jahorina, Bosna i Hercegovina, ISBN-99938-624-2-8, Vol. 10, Ref. E-V-6, pp. 775 - 779, Mar, 2013
- A. Crnišanin, P. Spalević, D. Rančić, M. Mićalović, Razvoj i Arhitektura WEB GIS aplikacije, XII međunarodni naučno-stručni simpozijum INFOTEH 2013, Jahorina, Bosna i Hercegovina, ISBN 978-99955-763-1-8, Vol. 12, pp. 880 - 883, Mar, 2013

- M. Bandur, P. Spalević, B. Jakšić, A. Marković, M. Smilić, Computer Simulation of Soliton Pulses Propagation through Birefringent Fiber in the Linear and Nonlinear Mode, 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services – TELSIXS 2013, ISBN 978-1-4799-0899-8, pp. 639-642, Niš, Serbia, 16th-19th October, Mar, 2013
- P. Spalević, B. Jakšić, Đ. Bandur, A. Marković, V. Simić, Modelovanje i simulacija prenosa signala kroz optičko vlakno G.652 u okviru DWDM mreže, XII međunarodni naučno-stručni simpozijum INFOTEH 2013, Jahorina, Bosna i Hercegovina, ISBN 978-99955-763-1-8, Vol. 12, pp. 328-331, 20-22 mart, Mar, 2013
- B. Jakšić, R. Ivković, M. Petrović, P. Spalević, I. Milošević, Softverska konverzija 2D staticnih slika u 3D animirani film anaglifnom metodom, XII međunarodni naučno-stručni simpozijum INFOTEH 2013, Jahorina, Bosna i Hercegovina, ISBN 978-99955-763-1-8, Vol. 12, pp. 923-927, 20-22 mart, Mar, 2013
- C. Stefanovic, D. Đošić, P. Spalević, S. Maričić, A. Matović, M. Matović, Level crossing rate of the ratio of product of two α - μ random variables and α - μ random variable, Zbornik radova Konferencije MIT [Matematičke i informacione tehnologije], pp. 677 - 682, 2013
- A. Crnišanin, D. Rančić, P. Spalević, Architecture of Integrated GIS and GPS for Vehicle Monitoring, Proceedings of the 1st Logistics International Conference LOGIC 2013, ISBN: 978-86-7395-321-2, pp. 67-71, Srbija, Belgrade, November 28-30, 2013
- M. Bandur, S. Jovković, D. Djosić, P. Spalević, M. Petrović, S. Maričić, Second order statistics of MRC receiver over k - μ fading channel, UNITECH-Gabrovo, ISSN 1313-230X, Vol. 2, November, pp. 131 - 136, 2013
- R. Ivković, B. Jakšić, P. Spalević, L. Lazić, M. Petrović, Experimental Images Analysis with Linear Change Positive and Negative Degree of Brightness, Proceedings of the 1st WSEAS International Conference on Image Processing and Pattern Recognition (IPPR '13), ISSN 1790-5117, pp.116-120, Budapest, Hungary, December 10-12, 2013
- P. Spalević, B. Jakšić, A. Marković, M. Petrović, M. Nešić, Influence of Signal Power and Thermal Noise of PIN Photodetectors on the Transmission WDM Network, XI International SAUM Conference on Systems, Automatic Control and Measurements – SAUM 2012, ISBN: 978-86-6125-072-9, pp. 339 - 342, Nov, 2012
- K. Kuk, S. Ilić, P. Spalević, S. Panić, Student Knowledge Diagnosis in Game-Based Learning Applications, 2012 IEEE 10th Jubilee International Symposium on Intelligent

Systems and Informatics, SISY 2012, Agora University Editing House -- CCC Publications, R & D Agora Book, Subotica, ISBN 978-1-4673-4751-8, pp. 455 - 459, Sep, 2012

- L. Lazić, M. Petrović, P. Spalević, Comparative Study on Applicability of Four Software Size Estimation Models Based on Lines of Code, Proceedings of the 6th WSEAS European Computing Conference (ECC '12), Prague, Czech Republic, ISSN 1790-5109, ISBN 978-1-61804-126-5, pp. 71 - 80, Sep, 2012
- V. Stanković, P. Spalević, A. Pavlović, Single user non-regenerative MMSE MIMO relaying, International Conference Contemporary Problems of Mathematics, pp. 79 - 83, Jun, 2012
- P. Spalević, D. Milić, B. Jakšić, M. Petrović, I. Temelkovski, Simulation influence of the thermal noise of PIN photodetector on performance DWDM optical network, XLVII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2012, ISBN 978-619-167-003-1, Veliko Trnovo, Bulgaria, Vol. 2, pp. 315 - 318, Jun, 2012
- M. Petrović, B. Jakšić, P. Spalević, I. Petrović, V. Daković, Analiza pozadina kod hroma-ki efekta u virtuelnom TV studiju, XI međunarodni naučno-stručni simpozijum INFOTEH 2012, Jahorina, Bosna i Hercegovina, Vol. 11, 21-23 mart, pp. 937 - 941, Mar, 2012
- S. Panić, P. Spalević, B. Jakšić, B. Radovanović, I. Petrović, S. Jovković, Analiza bežičnog prenosa u Rajsovom feeding kanalu u prisustvu višestrukih ko-kanalnih interferencija, XI međunarodni naučno-stručni simpozijum INFOTEH 2012, Jahorina, Bosna i Hercegovina, ISBN 978-99938-624-8-2, Vol. 11, pp. 245-248. 21-23 mart, Mar, 2012
- P. Spalević, B. Jakšić, S. Ilić, S. Milosavljević, I. Rajić, Računarska simulacija uticaja disperzije drugog i trećeg reda na interakciju dva solitona u optičkoj mreži, XI međunarodni naučno-stručni simpozijum Infoteh 2012, Jahorina, Bosna i Hercegovina, ISBN 978-99938-624-8-2, Vol. 11, pp. 249-253, 21-23 mart, Mar, 2012
- P. Spalević, B. Jakšić, A. Marković, M. Petrović, M. Nešić, Influence of Power of Signal and Thermal Noise of PIN Photodetectors on the Transmission WDM Network, Proceedings of XI International SAUM Conference on Systems, Automatic Control and Measurements – SAUM 2012, pp. 339 - 342, 2012
- P. Spalević, B. Jakšić, M. Petrović, B. Radovanović, S. Panić, Simulacija solitonskog prenosa pri uticaju disperzije grupne brzine i u prisustvu EDFA pojačavača, Zbornik radova 56. Konferencije za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku - ETRAN, ISBN 978-86-80509-67-9, TE1.6-1-4, Zlatibor, Srbija, 2012

- D. Prokin, K. Kuk, G. Dimić, P. Spalević, Use application of interactive tasks in Moodle environment of course of the Programmable logic devices, Proceedings of INFOTEH 2011, pp. 830 - 834, Nov, 2011
- D. Prokin, K. Kuk, G. Dimić, P. Spalević, Model for assesment of knowledge of students in an educational environment based on the game, Proceedings of MIT 2011, pp. 232 - 237, Aug, 2011
- K. Kuk, G. Dimić, D. Prokin, P. Spalević, Model for Assessment of Studen's Knowledge in an Educational Environment Based on the Game, MIT2011 – Mathematical and Informational Technologies, Vrnjačka Banja, Serbia, ISBN 978-86-83237-90-6, pp. 232 - 237, Aug, 2011
- M. Stefanović, J. Anastasov, S. Panić, S. Jovković, P. Spalević, B. Radovanović, Analiza količine fedinga SSC prijema u kanala sa korelisanim α - μ fedingom, X međunarodni naučno-stručni simpozijum INFOTEH 2013, Jahorina, Bosna i Hercegovina, ISBN 978-99938-624-6-8, Vol. 10, pp. 75 - 78, Mar, 2011
- S. Ilić, P. Spalević, A. Žorić, M. Petrović, S. Obradović, M. Jančev, N. Jančev, Using of PC-based ECG device in collecting data for qualitative research, Međunarodna konvencija o kvalitetu, JUSK ICQ 2011, pp. 175 - 180, 2011
- S. Ilić, L. Lazić, P. Spalević, One approach to the testing of security of proposed database application software, WSEAS Book "Recent Researches in Computer Science", Included in ISI/SCI Web of Science and Web of Knowledge, Corfu Island, Greece, ISSN 978-1-61804-019-0, pp. 475 - 480, 2011
- K. Kuk, P. Spalević, M. Carić, S. Panić, Game Based Learning Module „Z-BUFFER“ on a Course in Computer Graphics,, International conference ICIST 2011, ISBN: 978-86-8552-507-0, Kopaonik, Serbia, 2011
- G. Dimić, K. Kuk, D. Prokin, P. Spalević, Prediction of Student's Success Analyzing their Activities on the Moodle Course, MIT2011 – Mathematical and Informational Technologies, Vrnjačka Banja, Serbia, ISBN 978-86-83237-90-6, pp. 73 - 77, 2011
- G. Dimić, P. Spalević, K. Kuk, Mining Student Data Using Clustering Expectation-Maximization Algorithm, International Conference on Information, Communication and Energy Systems and Technologies-ICEST 2011, Nis, Serbia, ISBN 978-86-6125-032-3, Vol. 2, pp. 341 - 344, 2011
- I. Petrović, S. Panić, P. Spalević, S. Minić, B. Radovanović, The influence of multiple co-channel interferers on the Selection Diversity System Performance over Weibull fading channels, International Conference on Information, Communication and Energy

Systems and Technologies-ICEST 2011, ISSN: 978-86-6125-032-3, Nis June 29- Jul 1, Serbia, Vol. 1, pp. 137 - 140, 2011

- **P. Lekić, B. Jakšić, P. Spalević, S. Milosavljević, Analysis of the Interaction of Two Solitons and Violation of their Linear Superposition in the Transmission Path, 10th Anniversary international scientific conference UNITECH '10, ISSN 1313-230X, pp. I-307 – I-311, Gabrovo, Bulgaria, 19-20 November, Nov, 2010**
- **K. Kuk, D. Prokin, G. Dimić, P. Spalević, Arhicomp-Interaktivna obrazovna igra za učenje unarnih logičkih operacija, Zbornik radova sa nacionalne konferencije Elektronsko učenje na putu ka društvu znanja, Univerzitet Metropoliten ISBN: 978-86-9126-853-4, 7. oktobar, Oct, 2010**
- **P. Lekić, P. Spalević, A. Micic, An Efficient and Universal Approach to FIR Full-Band Differentiators Design, 19th International Electrotechnical and Computer Science Conference, ERK 2010, ISSN 1581-4572, Portorož, Slovenija, E.L. 1.5, 20-23 September, Sep, 2010**
- **S. Panić, P. Spalević, B. Jakšić, J. Anastasov, V. Milentijević, Kooperativni MRC diverziti prijem u prisustvu Nakagami-q (Hojtovog) fedinga, Zbornik radova 54. Konferencije za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku - ETRAN, Donji Milanovac, Srbija, ISBN 978-86-80509-67-9, TE3.6, pp. 1 - 4, Jun, 2010**
- **P. Spalević, M. Stefanović, S. Panić, B. Jakšić, A. Mosić, Selection macrodiversity combining over Gama shadowed Rayleigh fading channels, Proceedings of the 19th International Electrotechnical and Computer Science Conference, ERK 201, Mar, 2010**
- **G. Dimić, D. Prokin, K. Kuk, P. Spalević, Primena DATA MINING metoda za analizu i procenu kvaliteta kursa u moodle sistemu, Zbornik radova sa nacionalne konferencije Elektronsko učenje na putu ka društvu znanja, Univerzitet Metropoliten, ISBN: 978-86-9126-853-4, 7. oktobar, 2010**
- **S. Panić, J. Anastasov, M. Stefanović, P. Spalević, S. Stanojčić, SSC diverziti prijemnik u prisustvu korelisanog Nakagami-m fedinga i ko-kanalne interferencije, Zbornik radova Nacionalne Naučne Konferencije TELFOR 2010, ISBN 978-86-7466-392-9, pp. 368 - 371, 2010**
- **G. Dimić, D. Prokin, K. Kuk, P. Spalević, The Use of Data Mining Methods for Analyzing and Evaluating Course Quality in the Moodle System, Proceedings of International Conference UNITECH 2010, Gabrovo, Bulgaria, ISSN 1313-230X, pp. III. 309-315, November 19-20, 2010**

- K. Kuk, D. Prokin, G. Dimić, P. Spalević, Learning Unary Logical Operations Through the Modern Interactive Educational Application: ARHICOMP, Proceedings of International Conference UNITECH 2010, Gabrovo, Bulgaria, ISSN 1313-230X, pp. III. 303-308, November 19-20, 2010
- M. Stefanović, P. Spalević, S. Panić, B. Jakšić, A. Mošić, Selection macro-diversity combining over Gama shadowed Rayleigh fading channels, 19th International Electrotechnical and Computer Science Conference, ERK 2010, ISSN 1581-4572, Portorož, Slovenija, T.C. 2.3, 20-23 September, 2010
- P. Spalević, L. Lazić, K. Kuk, G. Dimić, Ajax technologies of web site of higher school of electrical engineering in Belgrade, National Scientific Conference SNTPI '09, Belgrade, 2009
- P. Spalević, J. Ristić, V. Stanković, S. Jovković, Selection Combining with Two and with Four Input Branches, WSEAS Telecommunication and Informatics Conference, Istambul, ISBN: 978-960-6766-91-6, pp. 56 - 59, May, 2008
- V. Veličković, P. Spalević, D. Stefanovic, I. Temelkovski, Statistical properties of dual diversity Output Signal over Rayleigh Fading Channels, Infoteh-Istocno Sarajevo 2008, ISBN-99938-624-2-8, Vol.7, ref. B-1-2, pp. 144 - 147, Mar, 2008
- P. Nikolić, Z. Milić, D. Krstic, P. Spalević, Verovatnoća greške MRC prijemnika za BPSK signale u prisustvu log-normalnog i Rejljevog fedinga, Zbornik radova konferencije YUINFO, Kopaonik, Srbija, 2008
- P. Spalević, B. Milošević, K. Kuk, G. Dimić, Colours in the Multimedia presentation, XLII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2007, ISBN: 9989-786-06-2, Ohrid, Macedonia, Vol. 2, pp. 623 - 626, Jun, 2007
- P. Spalević, M. Petrović, G. Dimić, K. Kuk, Multimedijalna aplikacija za testiranje studenata na Višoj Elektrotehničkoj školi u Beogradu, Zbornik radova konferencije ETRAN, 2007
- B. Milošević, S. Jovković, N. Kapacinovic, P. Spalević, F. Destovic, Statistical characteristics of M-ary FSK Signal in the Presence of Gaussian Noise and Intersymbol Interference, International Scientific Conference UNITECH 2006, Gabrovo, Bulgaria, ISBN 954-683-352-5, Nov, 2006
- P. Spalević, M. Petrović, S. Stanojčić, I. Petrović, B. Milošević, Statistical Characteristics of the First Order PMD, ELECTRONICS-ET 2006, September 20-22, Sozopol, Bulgaria 2006, Sep, 2006

- P. Spalević, D. Krstic, J. Ristić, B. Milošević, I. Petrović, Measuring of Frequency Characteristics by a Multiburst Signal from Video Device, Menaged and Assembled by the High School of Electrical Engineering in Belgrade, ERK 2006, ISSN 1581-4572, 25-27. September 2006, Portoroz, Slovenia, pp. 25 - 27, Sep, 2006
- M. Petrović, P. Spalević, D. Krstić, J. Ristić, S. Jovković, Performanse M-FSK Diversiti sistema u prisustvu Rejljevog Fedinga, INFOTEH 2006, Bosnia and Hertzegovina, ISBN-99938-624-2-8, pp. 67 - 71, Mar, 2006
- V. Stojanović, P. Spalević, B. Radivojević, Merne karakteristike optičkih kablova u sistemu prenosa optičkih signala Radio Televizije Srbije, INFOTEH 2006, Istočno Sarajevo BIH, ISBN-99938-624-2-8, Mar, 2006
- D. Krstic, P. Spalević, P. Nikolić, J. Ristić, Prijemnik za koherentnu demodulaciju n-FSK signala u prisustvu Gausovog šuma, Zbornik radova XIV telekomunikacionog foruma TELFOR, ISBN 84-7466-275-7, Beograd 21-23 novembar, 2006
- D. Krstic, V. Todosijević, G. Tomović, P. Spalević, Demodulacija FSK signala diversitii sistemom sa selektivnim kombinerom u prisustvu Nakagami-M fedinga, Zbornik radova ETRAN, 2006
- D. Krstić, M. Stefanovic, P. Spalević, Diversity System with L Branches for the Demodulation of n-FSK Signals, XLI International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2006, ISBN: 978-954-9518-5, Sofia, Bulgaria, Vol. 2, pp. 623 - 626, 2006
- M. Stefanovic, P. Spalević, S. Stanojčić, D. Martinović, Mitigation of Polarisation-Mode Dispersion in Optical DWDM system, International Scientific Conference UNITECH 2005, Gabrovo, Bulgaria, ISBN 954-683-325-8, Nov, 2005
- M. Stefanovic, P. Spalević, S. Stanojčić, D. Martinović, On the CDPSK System Affected by Chromatics Dispersion and Polarisation Mode Dispersion, Modern Technologies in the XXI Century, Military Technical Academy, ISBN 973-9087-83-3, Bucharest, Nov, 2005
- M. Stefanovic, P. Spalević, S. Stanojčić, H. Popović, Polarization Mode Dispersion Effects in High - Speed DWDM Systems, Modern Technologies in the XXI Century, Military Technical Academy, ISBN 973-9087-83-3, Bucharest, Nov, 2005
- M. Petrović, P. Spalević, A. Stojković, H. Popović, Studio and laboratory Centre for Implementating of the Multimedia Technologies in Educational Process, Proceedings of papers, International Conference on Telecommunication in Modern Satellite, Cable

and Broadcasting-TELSIKS 2005, Niš, Serbia and Montenegro, ISBN 07803-9164-0, 86-85195-29-2, Vol.2, pp. 535 - 538, Sep, 2005

- P. Spalević, S. Stanojčić, M. Petrović, H. Popović, Interference influence on chirped Gaussian signal propagation along dispersive optical fiber, ERK 2005, 26-28. September 2005, Portoroz, Slovenia, Sep, 2005
- M. Stefanović, P. Spalević, S. Stanojčić, S. Jovković, Performanse DWDM optičkih sistema, YU INFO, Kopaonik, 3-6 Mart, Mar, 2005
- P. Spalević, S. Stanojčić, D. Martinović, S. Jovković, Performanse optičkih DWDM sistema prenosa na velikim brzinama, Zbornik radova Infoteh 2005, Istočno Sarajevo, ISBN-99938-624-2-8, pp. 71 - 74, Mar, 2005
- P. Spalević, S. Stanojčić, S. Bogoslović, D. Martinović, Performanse koherentnog PSK sistema u slučaju odlučivanja na osnovu dva odmerka, Zbornik radova Infoteh 2005, Istočno Sarajevo, ISBN-99938-624-2-8, pp. 98 - 102, Mar, 2005
- P. Spalević, S. Stanojčić, D. Martinović, Performanse DWDM tehnologije i perspektive razvoja, Nacionalna konferencija Informacione tehnologije IT, Žabljak, 2005
- P. Spalević, S. Stanojčić, H. Popović, Tehnički aspekti projektovanja long – haul optičkih DWDM sistema, JISA , Herceg Novi, 12-17. Jun, 2005
- P. Spalević, S. Stanojčić, M. Petrović, S. Jovković, A Pulse Propagation Along Nonlinear Dispersive Fiber in High-Speed DWDM Systems, 7th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services,TELSIKS 2005, Vol. 2, pp.551-554, September 28-30, 2005, doi: 10.1109/TELSIKS.2005.1572173, pp. 551 - 554, 2005
- P. Spalević, S. Stanojčić, D. Martinović, H. Popović, The Influence of the Time-Shifted Interference on the Bit Error Probability in a System with a Nonlinear-Dispersive Optical Fiber, ELECTRONICS 2005, Bulgaria, Sozopol, 2005
- P. Spalević, S. Stanojčić, H. Popović, S. Jovković, Two Samples per Bit Interval Detection of NCFSK Signal in Presence of White Gaussian Noise and Interference, XL International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2005, ISBN 86-85195-25-X, Nis, Serbia, Vol. 2, pp. 431 - 434, 2005
- L. Spalević, P. Spalević, S. Stanojčić, S. Bogoslović, On a characterization on n-inverse Semigroups, International Scientific Conference - UNITECH 2004, Gabrovo, Bulgaria, Nov, 2004

- M. Stefanovic, P. Spalević, S. Stanojčić, D. Martinović, The performances of the high-capacity DWDM optical system, International Scientific Conference - UNITECH 2004, Gabrovo, Bulgaria, Nov, 2004
- M. Stefanovic, P. Spalević, S. Stanojčić, D. Martinović, The Interference Influence Along The Multi-Clad Nonlinear-Dispersive Fiber, ELECTRONICS-ET'2004, ,September 22 - 24,Sozopol, Bulgaria, Sep, 2004
- M. Stefanovic, P. Spalević, S. Stanojčić, A. Panajotović, D. Martinović, The Phase Shift Influence of Interference Along the Optical Fiber on Signal Propagation, ERK 2004, Portoroz, Slovenia, September 27-29, Sep, 2004
- M. Stefanovic, P. Spalević, V. Stanković, D. Martinović, Intersymbol Interference, Timing Jitter and Gaussian Noise Influence on IM-DD Optical System, , IEEE International Conference Communications 2004, ISBN 973-64-0036-0, Bucharest, Romania, june 3-5, Jun, 2004
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, D. Martinović, The Influence of Cross-Channel Interference on The IM-DD Optical System Performance, Modern Tehnologies in The XXI Century, Buchurecht, Romania, 5-6. november, Nov, 2003
- M. Stefanović, P. Spalević, L. Spalević, L. Zejnilovic, Optical Signal Detection in the Presence of Intersymbol Interference, White Gaussian and Pulse Noise, TELSIKS 2003, Nis, Serbia and Montenegro, oktobar, Oct, 2003
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, The Degree of Pulse Evaluation Edge Sharpness on Optical Systems with a nonlinear dispersive fiber, International Scientific Conference WOC 2003, Banf, Calgary, Canada, July, Jul, 2003
- D. Drača, P. Spalević, D. Dolićanin, Poređenje performansi IM-DD optičkih komunikacionih sistema pri prostiranju signala duž linearnog i nelinearnog disperzivnog vlakna, Nacionalna naučna konferencija ETRAN, SCG, Herceg Novi, Jun, Jun, 2003
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, IM/DD Optical System Performance in the Presence Timing Jitter and Gaussian Noise, IIVIII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2003, Nis, Serbia, June, Jun, 2003
- M. Stefanović, P. Spalević, M. Jakovljević, FSK-NF Communication System Performance in the Presence of Gaussian Noise, International Scientific Conference Infoteh-Jahorina 2003, BIH-Republic of Srpska, March, Mar, 2003

- S. Milojković, P. Spalević, R. Bojović, S. Glišić, The broadening factor as a rate of the nonlinear and dispersive optical fiber transmission performance, International Scientific Conference Infoteh-Jahorina 2003, BIH-Republic of Srpska, Mar, 2003
- D. Drača, P. Spalević, A. Panajotović, Proračun faktora širenja impulsa duž nelinearno-disperzivnog optičkog vlakna, Nacionalna naučna konferencija YU INFO, SCG, Kopaonik, Mart, 2003
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, Uticaj projektovanja omotača nelinearno-disperzivnog vlakna na performanse IM-DD optičkog sistema, Nacionalna naučna konferencija INFOTEH-Žabljak, SRJ, Februar, 2003
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, Analysis of chirp-free optical pulse propagation along a nonlinear and dispersive fibre, International conference ELECTRONICS, Banja Luka, Nov, 2002
- M. Stefanovic, D. Drača, P. Spalević, A. Panajotović, The data crosstalk as a performance limiting factor of IM-DD Systems, IIIVII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2002, Nis, SRJ, Oct, 2002
- M. Stefanovic, D. Drača, P. Spalević, A. Panajotović, Performance of IM-DD optical system in the presence interference at input of the fiber, III International conference ELECTRONICS, Sozopol, Bulgaria, Sep, 2002
- D. Drača, P. Spalević, P. Spalević, A. Panajotović, Uticaj nelinearnih i disperzivnih efekata vlakna na optičke sisteme u prisustvu interference, Nacionalna naučna konferencija INFOTEH -Žabljak, Mart, Mar, 2002
- M. Stefanovic, D. Drača, A. Panajotović, P. Spalević, The influence of number of interference on signal propagation along nonlinear-dispersive optical fibre, IIIVII International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2002, Nis, SRJ, Mar, 2002
- M. Stefanović, D. Milović, P. Spalević, A. Panajotović, The influence of two signal interference on signal propagation along the nonlinear-dispersive optical fiber, International Scientific Conference Infoteh-Jahorina 2002, BIH-Republic of Srpska, Mar, 2002
- D. Drača, P. Spalević, A. Panajotović, The influence of location of interference on signal propagation along the nonlinear- dispersive fiber, International Scientific Conference Infoteh-Jahorina 2002, BIH-Republic of Srpska, Mar, 2002

- M. Stefanović, P. Spalević, M. Jakovljević, Performanse ASK-NF telekomunikacionog sistema u prisustvu Gausovog šuma, Zbornik objavljenih radova Telekomunikacionog foruma TELFOR 2002, Beograd, novembar, 2002
- M. Stefanović, D. Drača, P. Spalević, A. Panajotović, Uticaj projektovanja omotača nelinearno disperzivnog vlakna na prostiranje impulsa, Zbornik radova Telekomunikacionog foruma TELFOR 2002, Beograd, novembar, 2002
- D. Drača, D. Milović, P. Spalević, S. Glišić, Uticaj ulazne interference na izobličenje signala duž nelinearno-disperzivnog vlakna, Nacionalna naučna konferencija ETRAN 2002, Teslić, Republika Srpska, BiH, jun, 2002
- D. Drača, P. Spalević, A. Panajotović, Uticaj interference na prostiranje signala duž nelinearno-disperzivnog vlakna, Nacionalna naučna konferencija YU INFO '2002, Kopaonik, Mart, 2002
- L. Spalević, P. Spalević, About n-inverse semigroups, FILOMAT-2001, SRJ, Nis, Aug, 2001
- D. Drača, A. Panajotović, P. Spalević, M. Stefanović, Uticaj nelinearnih i disperzivnih efekata vlakna na performanse optičkih sistema, Zbornik radova Telekomunikacionog foruma TELFOR , Beograd, novembar, 2001
- M. Stefanović, D. Drača, A. Vidović, P. Spalević, Detekcija ASK optičkog signala iz obojenog Gausovog šumau prisustvu faznog šuma lasera i interferencije, Nacionalna naučna konferencija YU INFO, Kopaonik, mart, Mar, 2000
- A. Žorić, B. Djordjević, P. Spalević, Inteligentni piezotropni senzor pritiska sa paralelnim RS linkom, Nacionalna naučna konferencija ETRAN, Soko Banja, jun, 2000
- L. Spalević, P. Spalević, Conception of set Ver r, II Mathematical Conference in Novi Sad, SRJ, Novi Sad, Oct, 1998
- G. Djordjević, I. Djordjević, D. Drača, M. Stefanovic, P. Spalević, Coherent Optical FSK Receiver in Multichannel Enviroment, IAESTED International Conference- Signal and Image Processing (SIP '98), Las Vegas, Nevada, SAD, Oct, 1998
- M. Stefanović, P. Spalević, Analiza modnog šuma u komunikacionim sistemima sa monomodnim vlaknima, Zbornik radova Telekomunikacionog foruma TELFOR 98, Beograd, novembar, 1998
- M. Milošević, P. Spalević, A. Ljamić, Vizuelizacija zvučnog polja, Nacionalna naučna konferencija YU INFO'98, Kopaonik, mart, 1998

- **D. Krstic-Indjic, M. Stefanovic, P. Spalević, Noncoherent detection of FSK Optical Signal in White Gaussian Noise, International Conference on Communications, Buchurecst, Romania, 1998**
- **D. Milić, P. Spalević, D. Drača, M. Stefanovic, Compararasion between Taylor Expansion Method and Numerical Simulation of Laser Phase Noise in Optical FSK system, IASTED International Conference Signal Processing and Communications, University of Las Palmas de Gran Canaria, Canary Islands, Spain, 1998**
- **M. Stefanovic, D. Milić, D. Drača, P. Spalević, Evaluation of Optimal Bandwidth in Optical FSK System Influenced by Laser Phase Noise, Proceedings of Papers, International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS '97), Vol. 2, pp. 641 - 644, Oct, 1997**
- **I. Dimitrijević, P. Spalević, M. Stefanovic, Analiza hibridnog digitalnog komunikacionog kanala u prisustvu šumova i smetnji, Zbornik radova Telekomunikacionog foruma TELFOR 97, Beograd, novembar, 1997**
- **P. Spalević, B. Mirić, Some properietes of Rectangular Bands, II Mathematical Conference in Prisina, Sep, 1996**

Ostali radovi:

- **D. Dubljanin, L. Jovanovic, N. Bacanin, P. Spalevic, B. Radomirovic, M. Zivkovic, A. Njegus, Racism Detecting in Twitter Comments Using Metaheuristics Optimized Text Mining and Classification, Chapter in CCIS Communications in Computer and Information Science: ASCIS 2024: Artificial Intelligence Based Smart and Secured Applications, Springer, volume 2426, CCIS Communications in Computer and Information Science: ASCIS 2024: Proceedings of International Conference on Advancements in Smart Computing and Information Security, volume 2426, pp. 217 - 231, Springer, Cham, Rajkot, India, Apr, 2025**
- **D. Radosavljević, S. Ilić, P. Spalević, N. Milenković, J. Todorović, Application of non-linear regression for modeling the kinetics of essential oils extraction, 27th International Electrotechnical and Computer Science Conference ERK 2018, pp. 352 - 355, IEEE Slovenia, Portorož, Slovenia, Sep, 2018**