

Radovi saopšteni na međunarodnim naučnim skupovima i štampani u odgovarajućim zbornicima radova (M33):

- d1. **H. Stefanovic**, S. Strbac-Savic, A. Miletic, D. Milic, "An adaptive color image segmentation using K-means clustering", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2016, Proceedings of papers*, Uzice, Serbia, September 30-October 1, 2016 (u pripremi)
- d2. **H. Stefanović**, V. Vasiljević, "Simulation model for packet loss correction in VOIP systems", *International Symposium on Operations Research-SYM-OP-IS 2016, Proceedings of papers*, pp. 549-552, Tara, Serbia, September 20-23, 2016, ISBN 978-86-335-0535-2
- d3. A. Miletic, **H. Stefanović**, Z. Ćirović, "The development of interactive multimedia content using a multi-platform environment", *International Conference Mathematical and Informational Technologies-MIT 2016, Proceedings of papers*, Vrnjačka Banja, Serbia, August 28-31, 2016 (u pripremi)
- d4. **H. Stefanović**, D. Milić, "Implementing Simulink Low Bitrate Codec Model for VOIP", *International Conference Mathematical and Informational Technologies-MIT 2016, Proceedings of papers*, Vrnjačka Banja, Serbia, August 28-31, 2016 (u pripremi)
- d5. **H. Stefanović**, D. Milić, "Spectral Shape Simulation Using the Polynomial Representation", *International Scientific Conference on ICT and E-Business Related Research-SINTEZA 2016, Proceedings of papers*, pp. 106-110, Belgrade, Serbia, April 22, 2016, ISBN 978-86-7912-628-3
DOI: <http://dx.doi.org/10.15308/Sinteza-2016-106-110>
<http://portal.sinteza.singidunum.ac.rs/Media/files/2016/106-110.pdf>
- d6. **H. Stefanović**, S. Šrbac-Savić, D. Milić, Z. Nikolić, "Poređenje kompresionih tehnika digitalne slike primenom DFT, DCT i SVD sa aspekta broja upotrebljenih transformacionih koeficijenata", *Međunarodni naučno-stručni Simpozijum-INFOTEH 2016, Proceedings of papers*, Vol. 15, pp. 725-729, Jahorina, Bosnia and Herzegovina, March 16-18, 2016, ISBN 978-99955-763-9-4
<http://infoteh.etf.unssa.rs.ba/zbornik/2016/radovi/RSS-5/RSS-5-5.pdf>
- d7. **H. Stefanovic**, S. Strbac-Savic, D. Milic, "Detection of straight-line segments in digital image using the Hough Transform in MATLAB", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2015, Proceedings of papers*, pp. 2-1 – 2-6, Uzice, Serbia, October 2-3, 2015, ISBN 978-86-83573-61-5
- d8. S. Strbac-Savic, A. Miletic, **H. Stefanovic**, "The estimation of Pi using Monte Carlo technique with interactive animations", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2015, Proceedings of papers*, pp. 2-15 – 2-20, Uzice, Serbia, October 2-3, 2015, ISBN 978-86-83573-61-5
- d9. **H. Stefanović**, D. Milić, V. Vasiljević, "An Effect of High Power Amplifier Nonlinearity on the Signal Constellation in Satellite Communications", *International Symposium on*

Operations Research-SYM-OP-IS 2015, Proceedings of papers, pp. 495-499, Srebrno Jezero, Serbia, September 15-18, 2015, ISBN 978-86-80593-55-5
<http://symopis2015.matf.bg.ac.rs/ZbornikN.pdf>

- d10. **H. Stefanović**, D. Milić, "Intermodulation Products due to Downconversion Mixer in Satellite Systems", *International Conference on Electrical, Electronic and Computing Engineering-IcETRAN 2015, Proceedings of papers*, pp. TEI1.4.1-5, Srebrno Jezero, Serbia, June 8-11, 2015, ISBN 978-86-80509-71-6
- d11. **H. Stefanović**, S. Štrbac-Savić, D. Milić, "Poređenje performansi različitih metoda detekcije ivice u digitalnoj slici", *International Scientific Conference of IT and Business-Related Research-Synthesis 2015, Proceedings of papers*, pp. 123-128, Belgrade, Serbia, April 16-17, 2015, ISBN 978-86-7912-595-8
DOI: <http://dx.doi.org/10.15308/Synthesis-2015-123-128>
<http://portal.synthesis.singidunum.ac.rs/Media/files/2015/123-128.pdf>
- d12. **H. Stefanović**, S. Štrbac-Savić, D. Milić, Z. Nikolić, "Primena dekompozicije matrice na singularne vrednosti (SVD) u oblasti kompresije digitalne slike", *Međunarodni naučno-stručni Simpozijum-INFOTEH 2015, Proceedings of papers*, Vol. 14, pp. 615-619, Jahorina, Bosnia and Herzegovina, March 18-20, 2015, ISBN 978-99955-763-6-3
<http://www.infoteh.rs.ba/zbornik/2015/radovi/RSS-3/RSS-3-11.pdf>
- d13. A. Miletić, M. Jevremović, G. Dimić, **H. Stefanović**, Z. Čolić, "Razvoj audio-vizuelnih sadržaja za učenje na predmetu Digitalne multimedije 1", *Međunarodni naučno-stručni Simpozijum-INFOTEH 2015, Proceedings of papers*, Vol. 14, pp. 696-700, Jahorina, Bosnia and Herzegovina, March 18-20, 2015, ISBN 978-99955-763-6-3
<http://www.infoteh.rs.ba/zbornik/2015/radovi/RSS-4/RSS-4-10.pdf>
- d14. **H. Stefanovic**, S. Strbac-Savic, D. Milic, "Some methods for estimating the performance of a digital communication system using a coin-tossing experiment", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2014, Proceedings of papers*, pp. 2-40 – 2-44, Uzice, Serbia, October 3-4, 2014, ISBN 978-86-83573-43-1
- d15. S. Strbac-Savic, **H. Stefanovic**, "Some methods for mapping a uniformly distributed random variable to a Rayleigh distributed random variable", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2014, Proceedings of papers*, pp. 2-26 – 2-31, Uzice, Serbia, October 3-4, 2014, ISBN 978-86-83573-43-1
- d16. **H. Stefanović**, D. Milić, D. Milović, "BER Performance Analysis of a Multichannel Satellite Link Employing FDMA", *International Conference on Electrical, Electronic and Computing Engineering-IcETRAN 2014, Proceedings of papers*, pp. TEI2.2.1-4, Vrnjačka Banja, Serbia, June 2-5, 2014, ISBN 978-86-80509-70-9
- d17. **H. Stefanović**, D. Milić, D. Milović, J. Nikolić, "Procena performansi satelitskog komunikacionog sistema koji koristi tehniku frekvencijskog multipleksa", *INFOTEH 2014, Proceedings of papers*, Vol. 13, pp. 441-444, Jahorina, Bosnia and Herzegovina, March 19-21, 2014, ISBN 978-99955-763-3-2
<http://infoteh.etf.unssa.rs.ba/zbornik/2014/radovi/KST-2/KST-2-8.pdf>

- d18. **H. Stefanovic**, S. Strbac-Savic, D. Milic, "Some representations of probability density function for correlative fading applications in wireless communications", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2013, Proceedings of papers*, pp. 2-59 – 2-64, Uzice, Serbia, October 4-5, 2013, ISBN 978-86-83573-39-4
- d19. S. Strbac-Savic, **H. Stefanovic**, "Some mathematical tools for probability density function analysis in correlative Rayleigh fading", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2013, Proceedings of papers*, pp. 2-87 – 2-91, Uzice, Serbia, October 4-5, 2013, ISBN 978-86-83573-39-4
- d20. **H. Stefanovic**, A. Savic, S. Veljkovic, D. Milic, "Some simulation methods for receive satellite antenna installing angles evaluation", *International Conference Mathematical and Informational Technologies-MIT 2013, Proceedings of papers*, pp. 683-688, Vrnjačka Banja, Serbia, September 5-9, 2013, ISBN 978-86-80795-20-1
<http://www.mit.rs/2013/zbornik-2013.pdf>
- d21. **H. Stefanovic**, M. Djuricic, V. Stefanovic, D. Stefanovic, "Fracture Data Analysis Using Weibull Distribution Integral Characteristics", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2012, Proceedings of papers*, pp. 2-32 – 2-37, Uzice, Serbia, October 4-5, 2012, ISBN 978-86-83573-26-4
- d22. S. Veljkovic, D. Stefanovic, **H. Stefanovic**, "GSM Network Optimisation", *International Conference Science and Higher Education in Function of Sustainable Development-SED 2012, Proceedings of papers*, pp. 2-65 – 2-67, Uzice, Serbia, October 4-5, 2012, ISBN 978-86-83573-26-4
- d23. **H. Stefanovic**, D. Milic, D. Stefanovic, S. Milosavljevic, "Some Integral Characteristics of MRC Receiver in Nakagami- m fading Environment", *International Scientific Conference on Information, Communication and Energy Systems and Technologies-ICEST 2012, Proceedings of papers*, Vol. 2, pp. 335-338, Veliko Tarnovo, Bulgaria, June 28-30, 2012, ISBN 978-619-167-003-1
http://www.cestconf.org/images/proceedings/cest_2012_02.pdf
- d24. **H. Stefanovic**, I. Stefanovic, D. Milic, "Some Simulation Models of MIMO Systems under Rayleigh Fading Conditions", *International Conference Information Systems and Technology Innovation-ISTI 2012, Proceedings Book*, pp. S1_15, Tirana, Albania, June 8-9, 2012, ISBN 978-9995-6377-8-1
http://www.conference.ijsint.org/Conference_Agenda ISTI2012.pdf
- d25. **H. Stefanovic**, D. Blagojevic, Z. Popovic, D. Stefanovic, "Explanation of the Driving Force of the Sintering Process on the Basis of Integral Characteristic of the Functions of Distributions", *Serbian Ceramic Society Conference-Advanced Ceramics and Application, Program and the Book of Abstracts*, Belgrade, Serbia, May 10-11, 2012, ISBN 978-86-915627-0-0
<http://www.itn.sanu.ac.rs/images/ACAI.pdf>
- d26. S. Panic, M. Stefanovic, I. Petrovic, **H. Stefanovic**, D. Jaksic, "SC/EGC hybrid diversity reception over Weibull fading channels", *International Scientific Conference-UNITECH*

2011, *Proceedings of papers*, Vol. 1, pp. 312-315, Gabrovo, Bulgaria, November 18-19, 2011, ISSN 1313-230X

- d27. **H. Popović**, D. Blagojević, D. Vučković, D. Stefanović, Z. Popović, "Statistical analysis of electrokinetic laws", *International Conference on Applied Electromagnetics-IIEC 2011, Proceedings of papers*, Ref. P1.13, pp. 55-56, Niš, Serbia, September 25-29, 2011, ISBN 978-86-6125-035-4
- d28. **H. Stefanović**, I. Stefanović, "Komparativna analiza propagacionih modela u mobilnim telekomunikacijama", *International Conference Mathematical and Informational Technologies-MIT 2011, Program and the Book of Abstracts*, pp. 128-129, Vrnjačka Banja, Serbia, August 27-31, 2011, ISBN 978-86-83237-90-6
<http://www.mit.rs/2011/vodic.pdf>, <http://conf.nsc.ru/MIT-2011/en/reportview/52189>
- d29. **H. Stefanović**, A. Savić, "Some general characteristics of Nakagami- m distribution", *International Symposium on Computing in Informatics and Mathematics-ISCIM 2011, Proceedings of papers*, pp. 721-731, Tirana-Durres, Albania, June 2-4, 2011, ISBN 978-9928-4044-8-0
<http://ecs.epoka.edu.al/index.php/iscim/iscim2011/paper/viewFile/791/824>
- d30. **H. Stefanovic**, V. Stefanovic, A. Cvetkovic, J. Anastasov, D. Stefanovic, "Some Statistical Characteristics of a New Shadowed Rician Fading Channel Model", *International Conference on Wireless and Mobile Communications-ICWMC 2008, Proceedings of papers on CD*, pp. 235-240, Athens, Greece, 27 July-1 August, 2008, ISBN 978-0-7695-3274-5
DOI: [10.1109/ICWMC.2008.36](https://doi.org/10.1109/ICWMC.2008.36)
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4591293&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D4591293
- d31. **H. Popović**, D. Stefanović, A. Mitić, I. Stefanović, D. M. Stefanović, "Some Statistical Characteristics of Nakagami- m Distribution", *International Conference on Telecommunication in Modern Satellite, Cable and Broadcasting-TELSIKS 2007, Proceedings of papers*, Vol.2, pp. 509-512, Niš, Serbia, September 26-28, 2007, E-ISBN 978-1-4244-1468-0, Print ISBN 978-1-4244-1467-3
DOI: [10.1109/TELSKS.2007.4376057](https://doi.org/10.1109/TELSKS.2007.4376057)
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4376057&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D4376057
- d32. **H. Popovic**, A. Mitic, I. Stefanovic, D. Stefanovic, "Some Integral Properties of Nakagami- m distribution", *International Scientific Conference on Information, Communication and Energy Systems and Technologies-ICEST 2007, Proceedings of papers*, pp. 299-302, Ohrid, Macedonia, June 24-27, 2007, ISBN 9989-786-06-2
http://www.icestconf.org/images/proceedings/icest_2007_01.pdf
- d33. P. Spalevic, S. Stanojcic, M. Petrovic, **H. Popovic**, "Interference influence on chirped Gaussian signal propagation along dispersive optical fiber", *International Electrotechnical and Computer Science Conference-ERK 2005, Proceedings of papers*, pp. 105-108, Portoroz, Slovenia, September 26-28, 2005, ISSN 1581-4572

- d34. M. Stefanovic, P. Spalevic, S. Stanojcic, **H. Popovic**, "Polarization mode dispersion effects in high-speed DWDM systems", *Internationally Attended Scientific Conference of the Military Technical Academy-Modern Technologies in the XXI Century, Proceedings of papers*, pp. 88-93, Bucharest, Romania, November 3-4, 2005, ISBN 973-640-074-3
- d35. D. Martinović, Ž. Lazić, S. Šrbac, **H. Popović**, "Razvoj jednog multimedijalnog učila na srpskom jeziku", *Međunarodna naučno-stručna konferencija-Informatika, obrazovna tehnologija i novi mediji u obrazovanju 2005, Zbornik radova*, Knjiga 2, str. 132-136, Sombor, Srbija, 1-2 april 2005, ISBN 86-83097-31-5
- d36. P. Spalevic, S. Stanojcic, D. Martinovic, **H. Popovic**, "The influence of the time-shifted interference on the Bit Error Probabilty in a system with a nonlinaer dispersive optical fiber", *International Scientific and Applied Science Conference ELECTRONICS-ET'2005, Proceedings of papers*, Sozopol, Bulgaria, September 21-23, 2005, ISBN 954-438-717-7
http://ecad.tu-sofia.bg/et/2005/pdf/Paper015-P_Spalevic.pdf
- d37. M. Petrovic, P. Spalevic, A. Stojiljkovic, **H. Popovic**, "Studio and laboratory center for implementing of the multimedia technologies in educational process", *International Conference on Telecommunication in Modern Satellite, Cable and Broadcasting-TELSIKS 2005, Proceedings of papers*, Vol.2, pp. 535-538, Niš, Serbia and Montenegro, September 28-30, 2005, Print ISBN 0-7803-9164-0
DOI: [10.1109/TELSKS.2005.1572163](https://doi.org/10.1109/TELSKS.2005.1572163)
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=1572163&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D1572163
- d38. P. Spalevic, S. Stanojcic, **H. Popovic**, S. Jovkovic, "Two semples per bit-interval detection of NCFSK signal in presence of white gaussian noise and interference", *International Scientific Conference on Information, Communication and Energy Systems and Technologies-ICEST 2005, Proceedings of papers*, pp. 431-434, Niš, Serbia and Montenegro, June 29-July 1, 2005, ISBN 86-85195-25-X
http://www.icestconf.org/images/proceedings/icest_2005