

## I. БИОГРАФСКИ ПОДАЦИ Др Зоран Поповић:

Др ЗОРАН (ЈОСИФ) ПОПОВИЋ је рођен 28. маја 1968. Године у Чачку, где је завршио основну школу и Гимназију. Школовање наставља на Електронском факултету у Нишу, где је завршио основне, мастер и докторске студије. Докторску дисертацију је одбранио 2011. године у пољу електротехнолошких и рачунарских наука.

Аутор је више од 50 научних радова. Радни ангажман на Високој техничкој школи струковних студија из Звечана започео је јуна 2012.године, а у звање професора биран у децембру 2013.године. Тренутно је ангажован на предавањима групе предмета из рачунарске технике и бежичних сензорских мрежа.

## II. НАУЧНО ИСТРАЖИВАЧКИ (СТРУЧНИ) И ПРОФЕСИОНАЛНИ ДОПРИНОС

### M23 Рад у међународном часопису


1. A. Stankovic, C. Stefanovic, N. Sekulovic, **Z. Popovic**, M. Stefanovic, "The Distribution of Minimum of Ratios of Two Random Variables and its Application in Analysis of Multiplex Systems", Radioengineering, Vol. 21, No. 4, pp. 1156-1162, December 2012.
2. M. Matovic, S.R. Panic, **Z. Popovic**, M. Stefanovic, J. Zivanic, M. Peric, "Eta-Mu modeled multipath propagation of electromagnetic waves", TTEM, vol. 7, No. 2, pp. 456-461, Jul 2012.
3. H. Stefanovic, I. Petrovic, A. Savic, **Z. Popovic** and M. Stefanovic, "The Outage Probability of Multibranch Selection Combining over Correlated Weibull Fading Channels", Série Électrotechnique et Énergétique, Issue 2, June 2012.
4. M. Stefanovic, M. Sekulovic, M. Gligorijevic, M. Bandjur, P. Spalevic, **Z. Popovic**, "Statistics of signal envelope in composite multipath fading/shadowing microcellular environment", TTEM Vol. 6, No. 4, pp. 1147-1151, Dec. 2011.
5. **Z. Popović**, Panić S., Anastasov J., Spalević P. and Stefanović M., "Performance Analysis of Selection Diversity over Exponentially Correlated  $\alpha$ - $\mu$  Fading Environment", International Journal of Communication Systems, Volume 24, Issue 7, pp. 925-937, July 2011.
6. A.D. Cvetković, M.Č. Stefanović, N.M. Sekulović, D.N. Milić, D.M. Stefanović, **Z. Popović**, "Second-order statistics of dual SC macrodiversity system over channels affected by Nakagami-m fading and correlated gamma shadowing", Electrical review, No. 6, pp. 283-287, June 2011.
7. Blagojević D., Popović H., **Popović Z.**, Stefanović D. and Stefanović I., "Some Laws of System With a Constant Amount of Energy", Science of Sintering (IISS), 40 (No. 2), 123 - 129 (2008).
8. Krstić D., Stefanović M., Nikolić P., Stefanović Č. and **Popović Z.**, "The First and Second Order Statistical Characteristics of the SSC Combiner Output Signal in the Presence of Rice fading", International Journal on Advances in Telecommunications, 2 (No. 4), 111 - 120 (2009), as the best in the Session on AICT Conference.
9. Nikolić P., Krstić D., **Popović Z.**, Stefanović D., Stefanović M., "The Performance Analysis of MRC Combiner Output Signal in the Presence of Weibull Fading and Shadowing", WSEAS Transactions on Communications, 9 (No. 1), 22 - 32 (January 2010).

## M24 Рад у часопису међународног значаја верификованог посебном одлуком

10. D., Milić, S., Stanojčić, **Z.**, Popović, D., Stefanović, I., Petrović, "Performance Analysis of EGC Combining over Correlated Nakagami-m Fading Channels", *Serbian Journal of Electrical Engineering*, **9** (No. 2), pp. 293-300 (June 2012).

## M33 Саопштење са међународног скупа, штампано у целини

11. Stefanovic, H., Blagojevic, D., Vuckovic, D., Stefanovic, D., **Popovic, Z.**, "Statistical Analysis of Electro-Kinetics Laws", *PEES Niš '11*
12. Krstić, D., Stamenović, G., Panić, S., **Popović, Z.**, Rančić, D., Stefanović, M., "The Application of GIS in Designing of Wireless Communication Systems with SC Combining in the Presence of Ricean Fading", *19-th International Conference on Software Telecommunications and Computer Networks - SoftCOM 2011 (September 15-17), Proceed.*, S5(Split, 2011).
13. **Popović, Z.**, Krstić, D., Sekulović, N. and Stefanović, M.; "Performance of SIR-based Triple Selection Combining over Correlated Weibull Channel", *9th International Symposium on Electronics and Telecommunications – ISETC'10*, Timisoara, Romania (11-12 November, 2010), *Proceed.*, 295 - 299 (Timisoara, 2010).
14. Tomović, G., Suljović, S., Stefanović, M. and **Popović, Z.**; "Performance of Mobile Macro Diversity system with Ricean Fading and Shadow Effect", *7th International Symposium on Electronics and Telecommunications – ISETC'08*, Timisoara, Romania (11-12 November 2010), *Proceed.*, 247 -251 (Timisoara, 2010).
15. Cvetković, A., Sekulović, N., Krstić, D., Mekić, E., **Popović, Z.**, Stefanović, M., "Performance analysis of multi-hop system in Nakagami-m environment", *International Conference on Circuits, Systems, Signals (CSS)*, Malta (15-17 September 2010), *Proceed.*, 276 -279 (2010).
16. Krstić, D., Rančić, D., Nikolić, P., **Popović, Z.**, Stamenović, G. and Aleksić, J., "Probability Density Function of the Satellite Signal in the Presence of Rayleigh Fading on Satellite and Earth Station", *INFOTEH-Jahorina, Proceed.*, **9** (Ref. B-I-4), 140 – 144 (March 2010).
17. **Popović, Z.**, Stefanović, Č., Krstić, D., Milosavljević, S. and Stefanović, M.; "Triple-channel macro- and micro-diversity over shadowed fading channels using compound model", *9th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services TELSIS 2009*, Niš, Oktober 7-9, 2009.
18. Stefanović, M., Krstić, D., Panić, S. and **Popović, Z.**; "Level Crossing Rate and Average Fade Duration of SC Macro diversity System over Independent Hoyt Fading Channels", *17-th International Conference on Software Telecommunications and Computer Networks - SoftCOM 2009 (September 24 - 26)*, *Proceed.*, 239 -243 (Split, 2009).
19. Stefanović, H., Stefanović, D., **Popović, Z.** i Stefanović, V.; "Analiza integralnih karakteristika Nakagami-m raspodele", *INFOTEH-Jahorina, Proceed.*, **8** (Ref. B-I-6), 104 - 107 (Mart 2009).
20. Krstić, D., Rančić, D., Aleksić, J., Stamenović, G. i **Popović Z.**; "Karakteristike signala na izlazu iz složenog SC-EGC kombinera u prisustvu log-normalnog fedinga", *INFOTEH-Jahorina, Proceed.*, **8** (Ref. B-I-11), 126 - 130 (Mart 2009).



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21. Milošević, B., Todosijević, V., Bogdanović, R. i **Popović Z.**; *"The Statistical Characteristics on Output Signals of MRC or EGC Diversity Systems in presence of the fading"*, UNITECH-Gabrovo'08, Bulgaria, *Proceed.*, 255 - 259 (Gabrovo, 2008)
  22. Stefanović, H., Stefanović, M., Stefanović, V. i **Popović Z.**; *"Statističke karakteristike Rajsovog signala u prisustvu Nakagami smetnji"*, INFOTEH-Jahorina, *Proceed.*, 7 (Ref. B-I-10), 93 - 96 (Mart 2008)
  23. **Popović, Z.**, Stefanović, H., Cvetković, A., Blagojević, D. i Anastasov J.; *"Neke integralne karakteristike hi-kvadrat raspodele sa stanovišta njene primene u telekomunikacijama"*, INFOTEH-Jahorina, *Proceed.*, 7 (Ref. B-I-9), 89 - 92 (Mart 2008).
  24. Stefanović D., Blagojević D., Simeunović R. and **Popović, Z.**; *"A some aspects of electrical properties prognosis from micro structural view point"*, VII Scientific Meeting *Physics and Technology of Materials FITEM'07, Book of Abstracts* p. 28 (Čačak, 2007).
  25. Mitić, A., Blagojević, D., Stefanović, D. and **Popović, Z.**; *"Somewhat specific properties of Rician PDF and possibility of its application in modeling of ITS infrastructures"*, 8. International Conference on Telecommunication in Modern Satellite, Cable and Broadcasting Services, *TELSIX 2007, Proceed.*, 2, 513 - 516 (Niš, 2007).
  26. Stefanović, I., Blagojević, D., Stefanović, D. and **Popović, Z.**; *"A some laws of the system with constant amount of energy energy"*, VI Scientific Meeting *Physics and Technology of Materials FITEM'05, Book of Abstracts* p. 52 (Čačak, 2005).
  27. Stefanović, I., Blagojević, D., Stefanović, D. and **Popović, Z.**; *"The cohesive energy and grain size distribution"*, VI Scientific Meeting *Physics and Technology of Materials FITEM'05, Book of Abstracts* p. 51 (Čačak, 2005).

#### **M51 Рад у водећем часопису националог значаја**

28. Stefanović, M., Panić, S., Anastasov, J., Cvetković, A., **Popović, Z.**, *"Capacity Evaluation for Maximal Ratio Combining over  $\alpha$ - $\mu$  Fading channels"*, *Serbian Journal of Electrical Engineering*, 8 (No.2), 221 - 228 (May 2011).
29. Aleksić, D., Stefanović, M., **Popović, Z.**, Radenković, D. and Ristić, J., *"On the  $K$  and  $K_G$  Fading Channels"*, *Serbian J. of Electrical Engineering*, 6 (No. 1), 187 - 201 (May 2009).
30. Stefanović, M., **Popović, Z.**, Destović, F. and Tanasković, N., *"Statistical Properties for Multipath-Relayed Communications Over Fading Channels"*, *Serbian Journal of Electrical Engineering*, 5 (No. 2), 341 - 352 (Nov. 2008).

#### **M63 Саопштење са скупа националног значаја штампано у целини**

31. Stefanović, H., **Popović, Z.**, Stefanović, D., i Blagojević, D.; *"Analiza integralnih karakteristika Vejbulove raspodele"*, *TELFOR 2009, Proceed.*, 500 - 503 (Beograd, 2009).
32. **Popović, Z.**, Stefanović, Č., Krstić, D., i Stefanović, M.; *"Diverziti doprinosu višestrukim kanalima sa združenim gama-gama fedingom"*, *TELFOR 2009, Proceed.*, 374 - 377 (Beograd, 2009).
33. Stefanović, H., Stefanović, D., **Popović, Z.**, i Stefanović, V.; *"Analiza integralnih karakteristika Rejljeve i Nakagami-m raspodele"*, *YUINFO 2009, Zbornik radova na CD-u*, Kopaonik, 2009.

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34. Stefanović, M., Sekulović, N., Milosavljević, S., i **Popović, Z.**; *"Analiza makro-diverziti sistema sa dve grane u prisustvu Rajsovog fedinga i gama senke"*, 53. Konferencijazelektroniku, telekomunikacije, računarstvoinuklearnutehniku - *ETRAN 2009* (Vrnjačkanbanja, Srbija, 15-18 jun 2009), Zbornikradova, TE2.7-1-4.
  35. **Popović, Z.**, Stefanović, H., Blagojević, D., i Stefanović, D.; *"Hi kvadrat distribucija – drugo stepena ograničenja"*, *TELFOR 2008, Proceed.*, 315 – 317 (Beograd, 2008).
  36. Popović, H., **Popović, Z.**, Blagojević, D., Stefanović, V., i Stefanović, D.; *"Analiza integralnih karakteristika Rejljeve raspodele"*, *TELFOR 2007, Proceed.*, 311 – 314 (Beograd, 2007).