

Dragana S. Krstic



Dragana S. Krstic was born in Pirot, Serbia. She received the BSc, MSc and PhD degrees in electrical engineering from Department of Telecommunications, Faculty of Electronic Engineering, University of Nis, Serbia, in 1990, 1998 and 2006, respectively. Her field of interest includes telecommunications theory, optical communication systems, wireless, mobile and satellite communication systems, etc. She works at the Faculty of Electronic Engineering in Nis since 1990.

During this period she was engaged in teaching in several courses: Telecommunications Networks, Basics of Telecommunications, Fundamentals of Electrical Engineering, Physics, Electronics, Telecommunications, Digital Telecommunications, Data Transfer, Digital Circuits, Optics, Telecommunications Theory, Internet over WDM Networks, Noises and Interferences, Performances of Optical Receivers, Integrated Optics, Detection of Signals from Noise.

She has also participated in the implementation of several projects of the Serbian Ministry of Science and Technology: "The development of microwave applicators for drying materials", "The development of telecommunications terminal equipment and transmission and optoelectronic data acquisition, wireless and low-voltage transmission lines", "Telecommunications". Now she is participating the projects: "The development, testing and comparative analysis of rotating and stationary receiver of solar radiation" and "Development of new information and communication technology, using advanced

mathematical methods, with applications in medicine, telecommunications, energy, protection of national heritage and education".

In collaboration with other colleagues, she wrote over 150 scientific research papers, of which about 30 are printed in international journals, several in national journals, over 80 are referred at international Symposia and Conferences, and printed in the proceedings of these conferences, while over 30 are presented at National professional conferences and published in appropriate proceedings. Several papers, presented at international symposia and conferences, was named as the best and proposed for printing in appropriate journals.

Dragana had plenary lectures and panels by invitation at international conferences: 7th WSEAS International Conference on Data Networks, Communications, Computers (DNCOCO '08), Bucharest, Romania, November 7-9, 2008; 13th WSEAS International Conference on Communications (part of 13th WSEAS Multiconference on Circuits, Systems, Communications and Computers), Rodos Island, Greece, July 23-25, 2009; Applied Computer Science (ACS) and Circuits, Systems, Signals (CSS), International conference of the Institute for Environment, Engineering, Economics and Applied Mathematics (IEEEAM), Malta, September 15-18, 2010; The Seventh International Conference on Wireless and Mobile Communications, ICWMC 2011, under InfoWare 2011, June 19-24, 2011, Luxembourg; 16th WSEAS International Conference on Communications (part of the 16th CSCC Multiconference 2012), Kos Island, Greece, July 14-17, 2012; European Conference of Communications (ECCOM'12), Paris, France, December 2-4, 2012.

She has also reviewed more articles in prominent journals: IEEE Transactions on Communications; IEEE Communications Letters; ETRI journal; C&EE Journal; Electronics and Electrical Engineering (Elektronika ir Elektrotechnika) and other journals. She is the reviewer of the papers for many conferences and the member of technical program committees and international scientific committees of several scientific conferences, beside IARIA conferences (AICT and ICWMC): 13th WSEAS Multiconference on Circuits, Systems, Communications and Computers, Rodos Island, Greece, July 23-25, 2009; International Conference on Applied Electronics: AE 2011, AE 2012, Pilsen, Czech Republic, IEEE International Conference on Communications, ICC June 10-15, Ottawa, Canada- 2nd IEEE Workshop on Convergence among Heterogeneous Wireless Systems in Future Internet (CONWIRE 2012), 2012 IEEE Symposium on Wireless Technology & Applications, ISWTA 2012, Indonesia, Sep. 23, 2012 - Sep. 26, 2012,...

Dragana Krstic is actively involved in various IARIA activities over the last five years: reviewing papers for some ICWMC and AICT IARIA conferences, journals, speaking at conferences and panels. She is/was the member of Technical Program Committees of AICT 2010 and 2012, ICWMC 2010, ICWMC 2011 (Chair for Special Area-Mobility) and the member of Advisory Committee ICWMC 2012. There she also chaired conference sessions, participated as Guest Panelist and have been moderator at the invited expert Panels. She is a member of Editorial Board of the IARIA's International Journal On Advances in Telecommunications.

Dragana is the author/coauthor of the following IARIA papers:

In International Journal on Advances in Telecommunications:

1. D. Krstić, M. Stefanović, P. Nikolić, Č. Stefanović, Z. Popović, "The First and Second Order Statistical Characteristics of the SSC Combiner Output Signal in the Presence of Rice fading", vol. 2, no. 4, 2009, pp. 111-120;

2. D. Krstić, P. Nikolić, M. Stefanović, "The Outage Probability of the Satellite Telecommunication System in the Presence of Fading with Switch and Stay Combining on Satellite and Earth Station", vol. 4, no. 1&2, 2011, pp. 102-111;
3. D. Krstić, P. Nikolić, G. Stamenović, M. Stefanović, "The Bit Error Rate for Complex SSC/MRC Combiner at Two Time Instants in the Presence of Hoyt Fading", Article 8321 accepted for publication for 2012;

At conferences:

1. M. Stefanović, D. Krstić, J. Anastasov, S. Panić, A. Matović, "Analysis of SIR-based Triple SC System over Correlated  $\alpha$ - $\mu$  Fading Channels", The Fifth AICT 2009, Venice/Mestre, Italy, May 24-28, 2009, str. 293-298;
2. D. Krstić, M. Stefanović, P. Nikolić, S. Jovković, Č. Stefanović, "The Outage Probability and Fade Duration of the SSC Combiner Output Signal in the Presence of Rice fading", The Fifth AICT 2009, Venice/Mestre, Italy, May 24-28, 2009;
3. D. Krstić, M. Stefanović, P. Nikolić, "Bit Error Rate for Complex SSC/MRC Combiner in the Presence of Nakagami-m Fading", The Eighth AICT 2012, May 27 - June 1, 2012 - Stuttgart, Germany
4. D. Krstić, P. Nikolić, M. Matović, A. Matović, M. Stefanović, "The Joint Probability Density Function of the SSC Combiner Output Signal in the Presence of Nakagami-m fading", The Fourth, ICWMC 2008 and ICCGI 2008, July 27-August 1, 2008, Athens/Vouliagmeni, Greece, pp. 409-416;
5. M. Stefanović, D. Krstić, A. Matović, M. Matović, D. Stefanović, "The Performances of Macrodiversity System in the Presence of Rayleigh and Gamma Fading", The Fifth ICWMC 2009, Cannes, French Riviera, France, August 23-29, 2009, pp. 315-321;
6. D. Krstić, M. Stefanović, G. Stamenović, P. Nikolić, Č. Stefanović, "The Performances of Generalized Selection Combiner in the Presence of Log-normal Fading", The Fifth ICWMC 2009, Cannes, French Riviera, France, August 23-29, 2009, str. 352-358;
7. D. Krstić, P. Nikolić, M. Matović, A. Matović, M. Stefanović, "The Satellite Telecommunication System Performances in the Presence of Nakagami Fading on Satellite and Earth Station", The Sixth ICWMC 2010, September 20-25, 2010, Valencia, Spain;
8. D. Krstić, P. Nikolić, G. Stamenović, M. Stefanović, "The joint probability density function of the SSC Combiner Output Signal at two Time Instants in the Presence of Hoyt Fading", The Seventh ICWMC 2011, 19-24. june, Luxembourg;
9. D. Krstić, P. Nikolić, G. Stamenović, „Probability Density Functions of Derivatives in Two Time Instants for SSC Combiner in Rician Fading Channel", The Eighth ICWMC 2012, June 24-29, 2012, Venice, Italy.

Dragana's papers „The Outage Probability and Fade Duration of the SSC Combiner Output Signal in the Presence of Rice Fading" and „The Satellite Telecommunication System Performances in the Presence of Nakagami Fading on Satellite and Earth Station" presented at AICT 2009 and ICWMC 2010, respectively, received the Best paper awards. Also, the paper „The Joint Probability Density Function of the SSC Combiner Output Signal at Two Time Instants in the Presence of Hoyt Fading" from The Seventh ICWMC 2011, has been invited for IARIA Journals.