

PERSONAL INFORMATION

Maja Delibasic



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Sex Female | Date of birth 01/08/1979 | Nationality Montenegrin

WORK EXPERIENCE

September 2014. – April 2016.

Research assistant at BIO-ICT project (Centre of excellence in bioinformatics)
Faculty of Electrical Engineering, University of Montenegro, Podgorica

October 2003. - September 2014.

Teaching/Research Assistant
Faculty of Electrical Engineering, University of Montenegro, Podgorica

EDUCATION AND TRAINING

Replace with dates (from - to)

PhD, February 2016

Faculty of Electrical Engineering, University of Montenegro, Podgorica

Scientific area: Telecommunications, wireless communications systems

Doctoral dissertation: "Novel techniques for performance improvements of mobile relay communications systems"

Replace with EQF (or other) level if relevant

MSc, December 2006

Faculty of Electrical Engineering, University of Montenegro, Podgorica

Scientific area: Telecommunications, wireless communications systems

MSc Thesis: "Optimal Diversity Technique for OFDM Wireless Communication Systems"

dipl. ing, July 2003

Faculty of Electrical Engineering, University of Montenegro, Podgorica

Major: Electrical Engineering - Electronics and Telecommunications

Diploma work: "VoIP protocols and technology"

PERSONAL SKILLS

[Remove any headings left empty.]

Mother tongue(s)

Serbian/Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills gained through my experience as teaching assistant and as a speaker at number of conferences and study visits

Replace with your other computer skills. Specify in what context they were acquired. Example:

- good command of photo editing software gained as an amateur photographer

- Other skills
- good command of office suite (word processor, spread sheet, presentation software)
 - good command of Matlab, LaTeX

Driving licence B

ADDITIONAL INFORMATION

Publications

1. Delibasic, M. Pejanovic-Djurisic, "Dual-Hop Amplify-and-Forward Relay System Over Non-identical Ricean Fading Channels", accepted for publication in *Wireless Personal Communications*, Online first Dec. 2014, (DOI: 10.1007/s11277-014-2221-1, ISSN: 0929-6212 (Print), 1572-834X (Online)).
2. M. Delibasic, M. Pejanovic-Djurisic, R. Prasad, "Performance Analysis of Dual-Hop Relay System over Ricean Fading Channels", *Telfor Journal* Vol.6 No.2, pp. 92-96, 2014. (ISSN 1821-3251 (Print Issue), ISSN 2334-9905 (Online))
3. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "MRC Dual-Diversity System over Correlated and Non-Identical Ricean Fading Channels", *IEEE Communication Letters*, Vol. 17, no. 12, pp. 2280 - 2283, December 2013. (DOI: 10.1109/LCOMM.2013.110413.131725, ISSN: 1089-7798)
4. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Improving Energy Efficiency of Relay Systems Using Dual-Polarized Antenna", *Journal of Green Engineering*, Vol. 3, No. 2, pp. 167-179, January 2013. (ISSN: 1904-4720)
5. M. Pejanovic-Djurisic, E. Kocan, M. Ilic-Delibasic, "Energy Efficient Wireless Communications Through Cooperative Relaying", *Journal of Green Engineering*, Vol. 3, No. 1, pp. 71-90, October 2012. (ISSN: 1904-4720)
6. M. Ilic-Delibasic, M. Pejanovic-Djurisic, R. Prasad, "A Novel Method for Performance Analysis of OFDM Polarization Diversity System in Ricean Fading Environment", *Wireless Personal Communications*, Vol. 63, Iss. 3, pp. 751-764, April 2012. (online first November 2010.) (DOI: 10.1007/s11277-010-0168-4, ISSN: 0929-6212)
7. M. Ilić-Delibašić, M. Pejanović-Đurišić, "Performanse dual-diversity sistema u uslovima koreliranih i neidentičnih fadinga u granama", *ETF Journal of Electrical Engineering*, Vol. 19, No. 1, pp. 7-17, Oktobar 2011 (YU ISSN 0353-5207)

Presentations

- M. Delibašić, *Novel techniques for performance improvements of mobile relay communications systems*, Doctoral dissertation, University of Montenegro, Faculty of Electrical Engineering, Podgorica, February 2016.
- Maja Ilić, *Optimal Diversity Technique for OFDM Wireless Communication Systems*, Master thesis, University of Montenegro, Faculty of Electrical Engineering, Podgorica, December 2006.

Projects

1. Center of excellence in bioinformatics (BIO-ICT), First center of excellence in Montenegro, funded by Ministry of Science through the World bank loan, 2014.-2017.
2. Fostering innovation based research for e-Montenegro (FORe-MONT), EU FP7 funded project through REGPOT scheme, 2013-2016.
3. Elaborati procjene uticaja radio - baznih stanica na životnu sredinu, 2013.-2015. (Funded by Društvo za telekomunikacije m:tel)
4. Measuring the level of electromagnetic field, Laboratory for electromagnetic field measurements (contracts with Telenor, m:tel)
5. Studija o mogućnostima korišćenja digitalne dividende (Study on the possibilities of using the digital dividend), Faculty of Electrical Engineering, Podgorica, March 2013 (project funded by Agency for Electronic Communications and Postal Services of Montenegro)
6. Tehnička osnova za donošenje crnogorskih standarda (MEST) potrebnih u procesu digitalizacije koji se odnose na emitovanje signala druge generacije digitalne zemaljske televizije (Technical basis for Montenegrin standards (MEST) needed in the process of digitizing related to broadcasting the signals of the second generation digital terrestrial television), Faculty of Electrical Engineering, Podgorica, March 2013 (project funded by Agency for Electronic Communications and Postal Services of Montenegro)
7. Tehnička specifikacija minimalnih zahtjeva koje ispunjava oprema za prijem signala druge generacije zemaljske televizije (DVB-T2) i testiranje usklađenosti te opreme (Technical specification of the minimum requirements that the equipment for the reception of the second generation digital

- terrestrial television (DVB-T2) signals meet and testing compatibility of the equipment), Faculty of Electrical Engineering, Podgorica, March 2013 (project funded by Agency for Electronic Communications and Postal Services of Montenegro)
8. Advanced solutions for performance improvements of cooperative wireless e-service infrastructures, project funded by Ministry of Science of Montenegro, 2012.-2015.
 9. Cooperative radio communications for green smart environments, COST IC1004 project, 2011-2014.
 10. Fostering development of an ICT centre of excellence in Montenegro, SCOPES "Scientific co-operation between Eastern Europe and Switzerland" programme, 2011-2014
 11. Comparative analyses of OFDM cooperative diversity and wideband MIMO systems in future wireless communication networks, bilateral scientific cooperation Montenegro-Austria, project team member, 2011-2013.
 12. Advanced technologies for next generation mobile broadband communication systems, bilateral scientific cooperation Slovenia-Montenegro, project team member, 2012-2014.
 13. Promoting ICT Cooperation Opportunities and Policy Dialogue with the Western Balkan Countries (ICT-WEB-PROMS) – EU FP7 funded Project, International consortium, 2009- 2011.
 14. Performance analysis of OFDM relay and OFDM cooperative diversity systems, research project funded by Montenegrin Ministry of Education and Science, project team member, 2009-2011.
 15. Study on applicability of WiMAX access technology in the network of Montenegrin Telecom, project team member, Faculty of Electrical Engineering, Podgorica, February 2008.
 16. On the development of efficient reception techniques for mobile DVB-T systems, bilateral scientific cooperation Montenegro-Greece, project team member, 2006-2008.
 17. Analysis on the technological and economical feasibility of implementation of the third generation (3G) mobile communication networks in Montenegro, Faculty of Electrical Engineering in cooperation with Faculty of Economic, Podgorica, May 2006
 18. VoIP tehnologija – specijalistički kurs, Center for telecommunication, Faculty of Electrical Engineering – Podgorica, January 2004.

Conferences

International conference proceedings

1. M. Delibasic, M. Pejanovic-Djurisic, „Non-Regenerative Cooperative Relaying in Precise Agriculture Communication Platform“, in Proc. 23rd Telecommunications Forum TELFOR 2015, Belgrade, Serbia, November 2015.
2. M. Delibasic, M. Pejanovic-Djurisic, Z. Veljovic, "Performance of Amplify-and-Forward Cooperative Diversity under Ricean Fading", in Proc. 5th International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems (VITAE), Hyderabad, India, December 2015.
3. M. Delibasic, M. Pejanovic-Djurisic, "The Effect of Line of Sight Propagation on Performance of Amplify-and-Forward Relay Networks", in Proc. 38th International Conference on Telecommunications and Signal Processing (TSP), Prague, July 2015.
4. M. Delibasic, M. Pejanovic-Djurisic, N. R. Prasad, "Statistical Functions Describing Two-Hop Amplify and Forward Relay Systems Under Ricean Fading", in Proc. of WTS'15 conf., New York City, USA, April 2015.
5. M. Delibasic, M. Pejanovic-Djurisic, "Selective Cooperative Relaying System with Polarization Diversity", in Proc. 22nd Telecommunications forum TELFOR 2014, Belgrade, Serbia, November 2014.
6. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Performance Improvement of Two-Hop Cooperative Relay System Under Correlated Ricean Fadings", Global Wireless Summit - WVTAE, Aalborg, Denmark, May 2014. (Best paper award)
7. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Performance Improvement of Decode-and-Forward Relay Systems Using Dual Polarized Antenna", in Proc. of WTS'14 conf., Washington, D.C., USA, April 2014.
8. M. Ilic-Delibasic, M. Pejanovic-Djurisic, R. Prasad, "Performance Analyzes of Dual-Hop Relay System over Ricean Fading Channels", in Proc. 21st Telecommunications forum TELFOR 2013, Belgrade, Serbia, November 2013.
9. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Complete Analytical Model of Dual-Hop Relay System Over Ricean Fading Channels", in Proc. of WPMC'13 conf., Atlantic City, USA, June 2013.
10. M. Pejanovic-Djurisic, E. Kocan, M. Ilic-Delibasic, "Cooperative Relaying Techniques For Energy Efficient Wireless Communications", in Proc. of IEEE 35th International Convention MIPRO 2012, pp. 918-923, Opatija, Croatia, May 2012.
11. M. Pejanovic-Djurisic, E. Stovrag, M. Ilic-Delibasic, "Fundamental Optimization Criteria For Green Wireless Communications", in Proc. IEEE 35th International Convention MIPRO 2012, pp. 869-872, Opatija, Croatia, May 2012.

12. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "A Novel Ricean Channel Fading Model with Random K Factor", in Proc. of IEEE Wireless Telecommunications Symposium WTS 2012, pp. 1-5, London, UK, April 2012.
13. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Impact of Random K Factor on Ricean Fading Wireless System Performance", in Proc. of IEEE 16th Mediterranean Electrotechnical Conference MELECON, pp. 233-236, Yasmine Hammamet, Tunisia, March 2012.
14. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Symbol Error Rate for Ricean Fading Channel with Random K Parameter", in Proc. of IEEE 14th International Symposium on Wireless Personal Multimedia Communications (WPMC 2011), pp. 1-5, Brest, France, October 2011.
15. M. Ilic-Delibasic, M. Pejanovic-Djurisic, E. Kocan, "Performance Analysis of Dual Diversity over Correlated Ricean Fading Channels", Wireless Telecommunications Symposium, WTS 2011, New York, April 2011.
16. M. Pejanovic-Djurisic, M. Ilic-Delibasic, "Performance Analysis of Switched Diversity over Correlated Ricean Fading channels", 2nd International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems (WVITAE 2011), Chennai, India, February 2011.
17. M. Ilic-Delibasic, M. Pejanovic-Djurisic, "Performance Evaluation of OFDM System Employing Dual End Polarization Diversity with EGC in Ricean Fading Environment", 12th International Symposium on Wireless Personal Multimedia Communications (WPMC 2009), Sendai, Japan, September 2009.
18. M. Ilic, M. Pejanovic-Djurisic, "SER Performance of OFDM Polarization Diversity System with EGC", in Proc. of IEEE 4th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2008), pp. 661-665, Avignon, France, October 2008.
19. M. Ilic, M. Pejanovic-Djurisic, "Performance Analysis of OFDM Polarization Receive Diversity System in Correlated Ricean Fading Channels", 6th Conference on Telecommunications, Conftele2007, Peniche, Portugal, May 2007.
20. M. Ilic, M. Pejanovic-Djurisic, "A Novel Method for Performance Evaluation of OFDM Systems with Polarization Diversity", in Proc. of 9th International Symposium on Wireless Personal Multimedia Communications, WPMC 2006, pp. 1133-1137, San Diego, USA, September 2006.
21. M. Ilic, M. Pejanovic-Djurisic, E. Kocan, "SER Performance of OFDM Polarization Diversity System in Ricean Fading Environment", in Proc. of IEEE 3rd International Symposium on Wireless Communication Systems, ISWCS 2006, pp. 452 – 455, Valencia, Spain, September 2006.
22. E. Kocan, M. Pejanovic-Djurisic, M. Ilic, "A Novel Frequency Synchronization Method for OFDM System with Frequency Domain Selection Combining Diversity", in Proc. of IEEE 3rd International Symposium on Wireless Communication Systems, ISWCS 2006, pp. 796 – 799, Valencia, Spain, September 2006.

Regional and national conference proceedings

1. M. Ilić-Delibašić, M. Pejanović-Đurišić, "Analiza performansi bežičnih komunikacionih sistema u uslovima Rice-ovog fedinga sa promjenljivim K faktorom", 19. Telekomunikacioni Forum TELFOR 2011, Beograd
2. M. Ilić-Delibašić, B. Krstajić, "Značaj modelovanja fizičkog kanala u simulaciji bežičnih mreža", IT Žabljak, Februar 2010.
3. M. Ilić, E. Kočan, I. Radusinović, Z. Veljović, "Pregled rješenja za uštedu energije u telekomunikacionim mrežama", Prvo savjetovanje CIGRE, Pržno, Oktobar 2009.
4. E. Kočan, M. Ilić, Z. Veljović, I. Radusinović, "Primjena savremenih telekomunikacionih tehnologija u elektroenergetskim sistemima", Prvo savjetovanje CIGRE, Pržno, Oktobar 2009.
5. V. M. Kapinas, M. Ilic, G. K. Karagiannidis, M. Pejanovic-Djurisic, "Aspects on Space and Polarization Diversity in Wireless Communication Systems", 15. Telekomunikacioni Forum TELFOR 2007, Beograd.
6. M. Ilić, M. Pejanović-Đurišić, "Analiza performansi OFDM polarizacionog diversity sistema u uslovima Rice-ovog fedinga", XLX Konferencija ETRAN, Budva, jun 2006.
7. M. Ilić, M. Pejanović-Đurišić, "Izbor diversity tehnike za primjenu u OFDM sistemima", INFOTEH, Jahorina, Mart 2006.
8. M. Ilić, M. Pejanović-Đurišić, "Polarizacioni diversity u OFDM sistemima", Informacione tehnologije, IT 2006, Žabljak, februar 2006.
9. E. Kočan, M. Pejanović-Đurišić, M. Ilić, "Estimacija kanala u OFDM sistemu sa prijemnim prostorno-vremenskim diversity-jem", XLIX Konferencija ETRAN, Budva, jun 2005.
10. M. Ilić, E. Kočan, M. Pejanović-Đurišić, "Analički model za određivanje performansi OFDM diversity sistema u uslovima Rice-ovog fedinga", XLIX Konferencija ETRAN, Budva, jun 2005.
11. M. Ilić, E. Kočan, M. Pejanović-Đurišić, "BER za OFDM sistem sa prijemnim prostornim diversity-jem u uslovima Rice-ovog fedinga", 12. Telekomunikacioni forum-TELFOR'04, Beograd, Oktobar 2004.

Honours and awards Award for the best graduated student, Faculty of Electrical Engineering, 2003.
Award "19th December" from Podgorica community, December 2000.

Memberships Member IEEE
Reviewer for the following scientific journals:
- IEEE Transactions on Wireless Communications
- IEEE Wireless Communication Letters
- Digital Signal Processing (Elsevier)
- Wireless Personal Communications (Springer)
- Telfor Journal