

Zoran Veljovic

Personal info

Date of birth: December 04, 1968

Place of birth: Priboj, Serbia, Yugoslavia

Citizenship: Montenegro

Marital status: Married

Education

PhD, September 2005 - University of Montenegro, Podgorica

PhD Thesis: "New multiple access techniques in new generation mobile radio systems"

Major: Telecommunications

MSc, September 1997 - Univeristy of Belgrade, Belgrade, Yugoslavia

Major: Telecommunication

MSc Thesis: "Trellis coded modulation in mobile radio-systems"

Grade average: 10.0 (out of 10.0)

BSc, September 1992 - University of Montenegro, Podgorica

Major: Electrical Engineering - Electronics and Telecommunications

Grade average: 9.58 (out of 10.0)

Areas of interest and expertise

Telecommunications theory

Digital communication systems theory

Mobile radio communications

Digital modulations

Computer networks

Personal communications systems

Satellite communications

Optical fiber communications

Maritime communications

Languages

Fluent in Russian

Teaching and Research Experience

Teaching

October 1992 - March 2006: Teaching/Research Assistant at University of Montenegro, Faculty of Electrical Engineering

March 2006 - December 2012: Assistant professor at University of Montenegro, Faculty of Electrical Engineering

December 2012 - present: Associate professor at University of Montenegro, Faculty of Electrical Engineering

Teaching courses:

Undergraduate level

- Basics telecommunications
- Mobile Radiocommunications
- Optical communications
- Digital telecommunication systems

Postgraduate level

- Satellite communications
- Multiple-access techniques
- Simulations and software radio

Supervising

March 2006 - present

Over 60 Undergraduate Thesis (Diploma and specialization Works)

supervisions in the areas of Mobile radiocommunications,

University of Montenegro

September 2008- present

1 Master of Science Thesis supervisions,

University of Montenegro

Consulting

May 2000 - March 2007: Telecom Montenegro

September 2004 - September 2009: Agency for Telecommunications

March 2009 - present: Bureau of Metrology Montenegro

Professional responsibilities

November 2006 - July 2013: Vice dean for teaching, Faculty of Electrical Engineering, University of Montenegro

August 2013 - present: Dean of the Faculty of Electrical Engineering, University of Montenegro

Editorial and professional/scientific duties

- Reviewer of the MELECON
- Reviewer of the TELFOR
- Member of the IEEE
- Member of the IEICE
- Member of Society for telecommunications
- Member of TELFOR's scientific board

Honors and Awards

- Award for the best graduated student at the College of Podgorica, Montenegro, 1991
- Award "19. December" from Podgorica community, December 1991
- Award for an outstanding achievement as a fourth year university student, University of Montenegro, 1992
- Award for the best student at the University of Montenegro, University of Montenegro, 1992

Publications

International Scientific Journals

1. Z.Veljovic, M.Pejanovic, I.Radusinovic: "Performance analysis of a new OFDM-CDMA system with pilot tone for multimedia communications", IEICE transactions on communications, vol.E88-B, N08, pp. 3480-3483, August 2005, (ISSN 0916-8516).
2. I. Radusinovic, Z. Veljovic, "New Round-Robin scheduling algorithm for combined input-crosspoint buffered switch", Lecture Notes in Computer Science, Vol.3420, Springer-Verlag GmbH, Mart 2005.
3. Z.Veljovic, M.Pejanovic, I.Radusinovic, Z.Petrovic: "A model for OFDM-CDMA system with pilot tone", WSEAS Transactions on Computers, Issue 4, Vol. 3, pp.1075-1080, October 2004, (ISSN 1109-2750).
4. I. Radusinovic, M.Radonjic, A. Simurina, I.Maljevic Z. Veljovic, "New Analytical Model for the CQ Switch

Throughput Calculation under the Bursty Traffic", AEU International Journal of Electronics and Communications, (ISSN: 1434-841) vol. 66, issue 12, pp. 1038-1041, december, 2012.

5. U. Urošević, Z. Veljović, D. Simunić, "A New Approach for Increasing Energy Efficiency of OFDM-CDMA System with Pilot Tone", Journal of Green Engineering, Vol. 3, 181–192, River Publishers, 2013.
6. U. Urošević, Z. Veljović, M. Pejanović-Djurisic, "MIMO Solution for Performance Improvements of OFDM-CDMA System with Pilot Tone", Wireless Networks, ISSN: 1022-0038 (Print Version), ISSN: 1572-8196 (Electronic Version), Vol. 19, Issue 8, pp. 2021-2028, Springer, November 2013.
7. U. Urošević, Z. Veljović, M. Pejanović-Djurisic, "A New Solution for Simple Cooperative Relaying", Wireless Personal Communications, ISSN: 0929-6212 (Print Version), ISSN: 1572-834X (Electronic Version), Vol. 75, Issue 2, pp. 1235-1250, Springer, March 2014.

International Conference Proceedings

1. M. Pejanović, Z. Veljović: "Performance analysis for reference-based PSK mobile radio-system", 1st Balcan IFAC Type Conference on Applied Automatic Systems, chapter 3, pp. 91-92, Ohrid, sept. 1993.
2. M. Pejanović, Z. Veljović, Z. Petrović: "Trellis coded DPSK modulation in time-selective fading channels", Proceedings of the 3rd IEEE Mediterranean Symposium on New Directions in Control and Automation, vol.2, pp. 172-176, Limassol, Cyprus, July 1995.
3. M. Pejanović, Z. Veljović, Z. Petrović: "Error rates for trellis coded PSK modulation with pilot tone in time-selective fading channel, International Conference on Communication Technology - ICCT'96, pp. 540-543, May 1996, Beijing, China.
4. M. Pejanović, Z. Veljović, Z. Petrović: "Evaluation of trellis coded modulation effects in time-selective fading mobile radio channel", Proceedings of 26-th European Microwave Conference, Vol. I, pp. 55-58, Sep. 1996, Prague, Czech Republic.
5. Milica Pejanović, Zoran Veljović: "A New Technique for Performance Improvement of Mobile Radio Systems", Proceedings of 27-th European Microwave Conference, Vol. I, pp. 135-138, Sep. 1997, Jerusalem, Israel.
6. M. Pejanović, Z. Veljović: "Effects of 16QAM trellis coded modulation in time-selective fading environment", 3rd International Conference - TELSIS'97, pp. 352-355, Niš, October 1997.
7. M. Pejanović, Z. Veljović: "Effects of trellis coded 16QAM with pilot tone in time selective fading environment", International Conference on Communication Technology - ICCT'98, pp. S47-10/1-S47-10/4, October 1998, Beijing, China.
8. M. Pejanović, Z. Veljović: "New approach in comparing different trellis coded modulations in land mobile radio systems", 4th International Conference - TELSIS'99, pp. 240-243, Niš, October 1999.
9. Z. Veljović, M. Pejanović: "A solution for mobile radio system overall performance improvement", Third International Conference on Wireless Personal Multimedia Communications - WPMC'00, Vol. I, pp. 524-526, Bangkok, Thailand, November 2000.
10. Milica Pejanović, Zoran Veljović: "On performance evaluation of trellis coded PSK modulation in Rician fading mobile radio channel", IEEE VTS 53rd Conference, SPRING, Rhodes, Greece, May 2001.
11. Z. Veljović, M. Pejanović: "A model for trellis coded DPSK modulation BER determination in mobile radio channels", 4th International Conference on Wireless Personal Multimedia Communications - WPMC'01, Vol. I, pp. 407-410, Aalborg, Denmark, September 2001.
12. M. Pejanović and Z. Veljović: "Generalized model for TCM performance Evaluation in different mobile radio channels", 5th International Conference on Wireless Personal Multimedia Communications - WPMC'02, pp. 961-965, Honolulu, Hawaii, USA, October 2002.
13. I. Radusinović, Z. Veljović, Z. Petrović: "Performance analysis of cell-based and packet-based input-queued switch with ILPF scheduling algorithm", International Conference on Networking – ICN'04, Gosier, Guadeloupe, France, March 2004.
14. Z. Veljović, M. Pejanović and Igor Radusinović: Modified OFDM-CDMA system with pilot tone for multimedia communications", 7th International Conference on Wireless Personal Multimedia Communications - WPMC'04, Padova, Italy, September, 2004.
15. M. Pejanović, Z. Veljović: "The Impact of Antenna Diversity on Performance of OFDMA Systems in a Time-Selective Fading Channel", 7th International Conference on Wireless Personal Multimedia Communications - WPMC'04, Padova, Italy, September, 2004.
16. Igor Radusinović, Zoran Veljović: New Round-Robin scheduling algorithm for Combined Input-Crosspoint Buffered Switch", accepted for ICN 2005, Reunion Island, France, April 2005.
17. Z. Veljović, M. Pejanović: "OFDM-CDMA Transmit Diversity System with Antenna Selection and Pilot Tone", 8th International Conference on Wireless Personal Multimedia Communications - WPMC'05, Aalborg, Denmark, September, 2005.
18. Igor Radusinović, Zoran Veljović, " Exhaustive Limited Service Round Robin Matching Algorithm for Buffered Crossbar Switches, Telsiks 2005, Nis, Serbia and Montenegro, September 2005.
19. Igor Radusinović, Zoran Veljović, "Performance Analysis of Exhaustive Limited Service Round Robin Matching Algorithm, ICN 2006, Mauricijus, April 2006.
20. Z. Veljović, M. Pejanović, Igor Radusinović, Elvis Babac: "OFDM-CDMA Switching Transmit Diversity System with ORC Combining", 9th International Conference on Wireless Personal Multimedia Communications - WPMC'06, San Diego, California, USA, September, 2006.
21. Maroje Delibašić, Igor Radusinović, Zoran Veljović, "Performance Evaluation of Logwestwood+ TCP in Wired/Wireless Networks", Proceedings of European Wireless 2007, Paris, France, April 2007.
22. Maroje Delibašić, Igor Radusinović, Zoran Veljović, "Performance Evaluation of TCP Montenegro in Heterogeneous Networks", Proceedings of World Wireless Congress 2008, San Francisco, USA, May 2007.
23. E. Kocan, M. Pejanović-Djurisic, Z. Veljović, "Robust Pilot Tone Based Frequency Offset Estimation Method for OFDM Systems", Proceeding of the ETAI Conference, Ohrid, September 2007.
24. Milutin Radonjić, Igor Radusinović, Zoran Veljović, "Performance Analysis of LPF Based VOQ Crossbar Switches", Proceedings of Eurocon 2009, Sant Petersburg, Russia, May 2009.
25. E. Kocan, M. Pejanović-Djurisic, Z. Veljović, "On the Optimal OFDM Amplify-and-Forward Relay System with Subcarrier Permutation", 12th International Symposium on Wireless Personal Multimedia Communications (WPMC 2009), Sendai, Japan, September 2009.
26. Maja Ilić-Delibašić, Milica Pejanović-Đurišić, Z. Veljović "Performance Evaluation of OFDM System Employing Dual End Polarization Diversity with EGC in Rician Fading Environment", 12th International Symposium on Wireless Personal Multimedia Communications (WPMC 2009), Sendai, Japan, September 2009.
27. M. Pavićević, I. Radusinović, Z. Veljović "Performance Analysis of TCP Algorithms for Congestion Control in WiMAX Network", 12th International Symposium on Wireless Personal Multimedia Communications (WPMC 2009), Sendai, Japan, September 2009.

28. E. Kocan, M Pejanovic-Djurisic, Z. Veljovic, "Efficient Frequency Synchronization and Channel Estimation Method for OFDM Wireless Systems", Proceedings of MELECON 2010 Conference, Valletta, Malta, April 2010.
29. E. Kocan, M Pejanovic-Djurisic, Z. Veljovic, BER Performance of M-QAM Modulated OFDM Based Relay System with Subcarrier Mapping", 13th International Symposium on Wireless Personal Multimedia Communications (WPMC 2010), Recife, Brazil, October 2010.
30. E.Kocan, M. Pejanovic-Djurisic, Z. Veljovic, "On the Optimal Subcarrier Mapping Scheme in OFDM Decode – and – Forward Relay Systems", IEEE WTS 2011 Conference, New York, USA, April 2011.
31. U. Urošević, Z. Veljovic, E. Kočan: "BER Performance of MIMO OFDM-CDMA System in Ricean Fading Channel", Eurocon 2011 Conference, Lisbon, Portugal, April 2011.
32. M. Radonjic, I.Radusinovic, Z. Veljovic, I.Maljevic: "Performance evaluation of Crosspoint Queued Switch Under the Heavy Traffic", Proceedings of ISCC 2011, Corfu, Greece, Jun 2011.
33. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "MIMO OFDM-CDMA System with Pilot Tone and Space-Time Block Coding", 14th International Symposium on Wireless Personal Multimedia Communications (WPMC 2011), Brest, France, October 2011.
34. U. Urošević, Z. Veljovic, "MISO model for Improving BER Performance of OFDM-CDMA System with Pilot Tone for Multimedia Communications", Proceedings of MELECON 2012 Conference, Yasmine Hammamet, Tunis, March 2012.
35. E. Kocan, M Pejanovic-Djurisic, Z. Veljovic, "Ergodic Capacitiz of OFDM AF Fixed Gain Relay System with Subcarrier Mapping", Proceedings of IEEE WTS 2012, London, UK, April 2012.
36. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "MISO Model for Improving Performance of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE WTS 2012, London, UK, April 2012.
37. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "A Solution for BER Performance and Energy Efficiency Improvements of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE MIPRO 2012, Opatija, Croatia, May 2012.
38. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "A Solution for Increasing Spectrum Efficiency of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE WiCOM 2012 Conference, Shanghai, China, September 2012.
39. U. Urošević, Z. Veljovic, D. Simunic, I. Radusinovic, "A Solution for Performance Improvements of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE 20th TELFOR Conference, Belgrade, Serbia, November 2012.
40. U. Urošević, Z. Veljovic, Ana Jovanovic, "A Solution for Improving BER Performance of OFDM based Simple Cooperative Relaying", Proceedings of IEICE Information and Communication Technology Forum (ICTF), Sarajevo, Bosnia and Herzegovina, May 2013.
41. Z. Veljovic, U. Urošević, M. Pejanovic-Djurisic, "A MIMO Approach for Increasing Spectrum Efficiency of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2013), Atlantic City, USA, June 2013.
42. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "A Solution for Improving Performance of OFDM Based Simple Cooperative Relaying", Proceedings of IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2013), Atlantic City, USA, June 2013.
43. Z. Veljovic, U. Urošević, D. Simunic, "A MIMO Approach for Performance Improvements of OFDM-CDMA System with Pilot Tone", Proceedings of IEEE Eurocon 2013 Conference, Zagreb, Croatia, July 2013.
44. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, D. Simunic, "A New Approach for Simple Cooperative Relaying", Proceedings of IEEE Eurocon 2013 Conference, Zagreb, Croatia, July 2013.
45. S. Divanovic, U. Urošević, Z. Veljovic, "Power Allocation Schemes in MIMO and OFDM System", Proceedings of of IEEE 21th TELFOR Conference, Belgrade, Serbia, November 2013.
46. L. Lazovic, A. Jovanovic, Z. Veljovic, "Implementation and Performance Analysis of VSS-LMS algorithm on planar microstrip antenna arrays", Proceedings of of IEEE 21th TELFOR Conference, Belgrade, Serbia, November 2013.
47. Z. Veljovic, U. Urošević, "Performance Improvement of OFDM based virtual QOSTBC", Proceedings of Global Wireless Summit - Wireless Vitae 2014 Conference, Aalborg, Denmark, May 2014.
48. U. Urošević, Z. Veljovic, M. Pejanovic-Djurisic, "New Simple Cooperative Relaying Schemes", Proceedings of IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2014), Sydney, Australia, September 2014.
49. Z. Veljovic, U. Urošević, M. Pejanovic-Djurisic, "Improving BER Performance of Virtual QOSTBC", Proceedings of IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC 2014), Sydney, Australia, September 2014.

Regional and Domestic Scientific Journals

1. M. Pejanovic, Z. Veljovic: "A Solution for Mobile Radio Systems", *Tehnika*, No 8-9, pp. E11-E15, Belgrade, 1994, (YU ISSN 0040-2176).
2. M. Pejanovic, Z. Veljovic: "Trellis Coded Modulation in Mobile Radio Channel", *Telekomunikacije*, No.3, Belgrade, 1998, (YU ISSN 0040-2605).
3. U. Urošević, Z. Veljovic, "MIMO Model for Improving Spectrum Efficiency of OFDM-CDMA System with Pilot Tone", *ETF Journal of electrical engineering* YU ISSN 0353-5207), Podgorica, 2011.
4. U. Urošević, Z. Veljovic, "BER Performance of MIMO OFDM-CDMA System in Ricean Frequency Selective Fading Channel", *Tehnika*, No 5, pp. 785-791, Belgrade, 2011, (ISSN 0040-2176).
5. U. Urošević, Z. Veljovic, I. Radusinovic, "A New Approach for Improving Performance of MIMO OFDM-CDMA System with Pilot Tone", *Tehnika*, No 2, pp. 266-271, Belgrade, 2013, (ISSN 0040-2176).
6. U. Urošević, Z. Veljovic, "PERFORMANCE IMPROVEMENTS OF OFDM-CDMA SYSTEM", *ETF Journal of electrical engineering* (YU ISSN 0353-5207), Podgorica, 2014.

Regional and Domestic Conference Proceedings

1. M.Pejanovic-Djurisic, Z.Veljovic: "One proposal of the complex diversity system for mobile radio channel", 36thETRAN Conference, pp. 245-252, Kopaonik, Serbia, Sept. 1992.
2. Z.Veljovic, M.Pejanovic-Djurisic: " M-level orthogonal signaling in a mobile radio channel", 37thETRAN Conference, pp. 69-74, Beograd, Serbia, Sept. 1993.
3. M.Pejanovic-Djurisic, Z.Veljovic: "Mathematical modeling of noise in mobile radio systems", **Conference on Applied Mathematics - PRIM'94**, pp. 241-246, Budva, Montenegro, May, 1994.
4. M.Pejanovic-Djurisic, Z.Veljovic: "Optimization of the mobile radio channel with orthogonal signaling", 38thETRAN Conference, pp. 87-88, Nis, Serbia, June 1994.
5. M.Pejanovic-Djurisic, Z.Veljovic: " Optimal diversity techniques for mobile radio systems", 2nd TELFOR Conference, pp. 175-178, Belgrade, Serbia, November 1994.
6. Z.Veljovic, M.Pejanovic-Djurisic, Z.Petrovic: "Calculation of error probability in mobile radio systems with trellis-

code modulation", Conference on Applied Mathematics - PRIM'95, Budva, Montenegro, May, 1995.

7. Z.Veljovic, Z.Petrovic, M.Pejanovic-Djurisic: "Trellis code modulation in mobile radio channels", 39th ETRAN Conference, pp. 55-58, Zlatibor, Serbia, June, 1995.
8. M.Pejanovic-Djurisic, Z.Veljovic, G.Kankaras: "Optimization of NCFSK mobile radio receiver in conditions of impulsive noise", 39th ETRAN Conference, pp. 51-54, Serbia, June, 1995.
9. M.Pejanovic-Djurisic, Z.Veljovic, Z.Petrovic: "Performance of trellis code PSK modulation with pilot tone in the channel with fading", 2ndTELSIKS Conference, Nis, Serbia, October 1995.
10. M.Pejanovic-Djurisic, Z.Veljovic: "Performance of composite space diversity techniques in mobile radio environment", 3rd TELFOR Conference, Belgrade, Serbia, December, 1995.
11. Z.Petrovic, M.Pejanovic-Djurisic, Z.Veljovic: "The architecture of intelligent network in personal mobile communications", Conference on Information Technologies IT 96, Zabljak, Montenegro, March, 1996.
12. Z.Veljovic, M.Pejanovic-Djurisic, Z.Petrovic: "Comparative performance analysis for diversity techniques and trellis code modulation in the channel with Rayleigh fading", 40th ETRAN Conference, Budva, Montenegro, June, 1996.
13. M.Pejanovic-Djurisic, Z.Veljovic: "The influence of complex diversity techniques on zone coverage in mobile radio systems", 40th ETRAN Conference, Budva, Montenegro, June, 1996.
14. Z.Veljovic, M.Pejanovic-Djurisic: "Confusion Probability for 16QAM trellis codewords in channel with Rayleigh fading", 4th TELFOR Conference, Belgrade, Serbia, November, 1996.
15. Z.Veljovic, M.Pejanovic-Djurisic: "Error Probability for multilevel TCMQAM in channel with fading", 5th TELFOR Conference, Belgrade, Serbia, November, 1997.
16. Z.Veljovic, M.Pejanovic-Djurisic: "Proposal for 16QAM trellis encoder for mobile radio channel with Rayleigh fading", 41st ETRAN Conference, Zlatibor, Serbia, June, 1997.
17. Z.Veljovic, M.Pejanovic-Djurisic: "New trellis code modulation approaches in mobile radio systems", Conference on Information Technologies IT 98, Zabljak, Montenegro, March, 1998.
18. M.Pejanovic-Djurisic, Z.Veljovic: "Performance of trellis code modulation in mobile radio channel with slow fading", 42ndETTRAN Conference, Vrnjacka Banja, Serbia, June, 1998.
19. Z.Veljovic, M.Pejanovic-Djurisic: "Performance Analyze of trellis code modulation in mobile radio channel with Nakagami fading", 45thETTRAN Conference, Bukovicka Banja, Serbia, June 2001.
20. Dean Bilafer, Vasilije Zlokovic, Zoran Veljovic: "ANIMADB – Application for Access Telecommunication Network Resources management", INFOFEST'04, Budva, Montenegro, September 2004.
21. Babacic Elvis, Zoran Veljovic, Igor Radusinovic: "Simulation of ofdm-cdma system with pilot ton in Ricean Fading Channel", 12th TELFOR Conference, Belgrade, Serbia, November 2004.
22. Zoran Veljovic, Milica Pejanovic, Igor Radusinovic, Babacic Elvis: "Performance Analyze of OFDM-CDMA system with optimal TDC combining", 12th TELFOR Conference, Belgrade, Serbia, November 2004.
23. Dean Bilafer, Vasilije Zlokovic, Igor Radusinovic, Zoran Veljovic: "Algorithm for DSL analyze in ANIMADB application", 12th TELFOR Conference, Belgrade, Serbia, November 2004.
24. Dean Bilafer, Igor Radusinovic, Vasilije Zlokovic, Zoran Veljovic, "Data Base of Access Telecommunication Network Resources", Conference on Information Technologies IT 05, Zabljak, Montenegro, March 2005.
25. Igor Radusinovic, Zoran Veljovic, "Performance Analysis of ERRL-ERRL CICQ Switch", 49th ETRAN Conference, Budva, Jun 2005.
26. E. Kocan, M. Pejanovic-Djurisic, Z.Veljovic: "Frequency Synchronization Method for OFDM Systems in Slow Time-Varying Channels", 15th TELFOR Conference, Belgrade, October 2007.
27. E. Kocan, M. Pejanovic-Djurisic, Z. Veljovic, "Error rate analysis of OFDM Amplify-and-Forward Relay System with Subcarrier Permutation", 16th TELFOR Conference, Belgrade, Serbia, Nov. 2008.
28. E. Kocan, M. Pejanovic-Djurisic, Z. Veljovic, "Performance Comparison of OFDM Amplify-and-Forward Relay Systems with Subcarrier Permutation", 53rd ETRAN Conference, Vrnjacka Banja, Serbia, June 2009.
29. E. Kocan, M. Ilic, Z.Veljovic, I. Radusinovic, "Implementation of new telecommunication technologies in power system", First symposium of CIGRE – Przno, Montenegro, Oct. 2009.
30. M. Ilic, E. Kocan, I. Radusinovic, Z.Veljovic, "Improving energy efficiency in telecommunication networks – solutions overview", First symposium of CIGRE – Przno, Montenegro, Oct. 2009.
31. Misovic D., Vucinic M., Radonjic M., Radusinovic I., Veljovic Z., "An Example of Realization ethernet Switch on NETFPGA platform", INFOFEST 2010, pp. 214-224, Budva, Montenegro, Sept.-Oct.2010.
32. Ljumovic N., Odalovic M., Radonjic M., Radusinovic I., Veljovic Z., "Ethernet Switch Testing on NETFPGA Development Platform", INFOFEST 2010, pp. 278-288, Budva, Montenegro, Sept.-Oct. 2010.
33. E. Kocan, M. Pejanovic-Djurisic, Z.Veljovic: "BER performance improvement of OFDM VG AF relay system through subcarrier permutation", 18th TELFOR Conference, Belgrade, Serbia, November 2010.
34. U. Urosevic, Z. Veljovic, E. Kocan, "BER Performance of MIMO-OFDM System in Ricean Fading Channel", 18th TELFOR Conference, Belgrade, Serbia, November 2010.
35. E. Babacic, B. Jevric, Z. Veljovic, I. Radusinovic, "IMT-Advanced systems standardization – review of activities under ITU-R", 18th TELFOR Conference, Belgrade, Serbia, November 2010.
36. U. Urosevic, Z. Veljovic, "SU-MIMO Techniques in LTE", 16th Conference on Information Technologies IT 2011, Zabljak, Montenegro, February 2011.
37. Elvis Babacic, Boris Jevric, Zoran Veljovic, Igor Radusinovic, "IMT-advanced radio interfaces technology standardization process", 16th Conference on Information Technologies IT 2011, Zabljak, Montenegro, February 2011.
38. Simurina A., Radusinovic I., Radonjic M., Veljovic Z., "Throughput Analysis of 2x2 Crosspoint Queued Crossbar Switch with one-cell Buffers Under the Bursty Incoming Traffic", 16th Conference on Information Technologies IT 11, pp. 98-101, Zabljak, Montenegro, February 2011.
39. U. Urosevic, Z. Veljovic, I. Radusinovic, "Increasing Spectrum Efficiency of OFDM-CDMA System with Pilot Tone and Optimum TDC Combining", 55th ETRAN Conference, Banja Vrucica, June 2011.
40. U. Urosevic, Z. Veljovic, I. Radusinovic, "MISO Model for Improving BER Performance of OFDM-CDMA System with Pilot Tone", 19th TELFOR Conference, Belgrade, Serbia, November 2011.
41. U. Urosevic, Z. Veljovic, D. Simunic, "A new Approach for Energy Efficiency Increasing of OFDM-CDMA System with Pilot Tone", International Workshop on Emerging Communication Technologies WECT 2012, Budva, Montenegro, October 2012.
42. Lj. Tralic, D. Simunic, Z. Veljovic, "Green Video Surveillance of Open and Closed Areas", International Workshop on Emerging Communication Technologies WECT 2012, Budva, Montenegro, October 2012.
43. U. Urosevic, Z. Veljovic, "Improving Energy Efficiency of OFDM-CDMA System", 19th Conference on Information Technologies IT 2014, Zabljak, Montenegro, February 2014.

Projects

1. M.Pejanovic, Z.Petrovic, Z.Mijanovic, Z.Veljovic et all: "Telecommunications Systems of Montenegro", **Government of Montenegro**, Podgorica, 1997.
2. M.Pejanovic, Z.Veljovic: "Technical Solutions for Improving Performance of Mobile Radio Systems", **Ministry of Science Montenegro**, Podgorica, 1999.
3. M.Pejanovic, Z.Veljovic: "Fading Generalization in Mobile Radio Channel", **Ministry of Science Montenegro**, Podgorica, 2000.
4. M.Pejanovic, I.Kostic, Z.Veljovic, et all: "Cellular Mobile Radio Network of Telecom Montenegro", **Public Enterprise Montenegro Telecom**, Podgorica, 2000.
5. Z.Veljovic: "Development Plan of fixed cellular GSM network", **Telekom Crne Gore, a.d.**, Podgorica, februar 2001.
6. M.Pejanovic, Z.Veljovic, et all: "Performance Analysis of Mobile Radio Network (MONET)", **Faculty of Electrical Engineering**, Podgorica, 2001.
7. M.Pejanovic, Z.Veljovic, et all: "Performance Analysis of Mobile Radio Network (MONET)", **Faculty of Electrical Engineering**, Podgorica, 2003.
8. M.Pejanovic, I.Radusinovic, S.Rasajski, Z.Veljovic, et all: "RFS Monitoring System in Montenegro, Republic of Montenegro - Agency of Telecommunications", Podgorica, 2003.
9. Z.Veljovic, T.Blajic, Z.Cimic, D.Demut, B.Gaspic, G.Jandras: "Optimization of GSM Monet radio network", **Ericsson Nikola Tesla**, Zagreb, decembar 2003.
10. M.Pejanovic, Igor Radusinovic, Zoran Veljovic, Enis Kocan: "E-Government Strategy of Montenegro", **Government of Montenegro**, Podgorica, 2004.
11. M. Pejanovic-Djurisic, G. Karagiannidis, Z. Veljovic, I. Radusinovic, E. Kocan, M. Ilic et al.: "On the development of efficient reception techniques for mobile DVB-T systems", in the framework of the Montenegro-Greece bilateral cooperation program, 2006.-2008.
12. M. Pejanović-Đurišić, Z. Veljović, I. Radusinović, E. Kočan, M. Ilić, "Study on applicability of WiMAX access technology in the network of Montenegrin Telecom", **Faculty of Electrical Engineering**, Podgorica, May 2006., Podgorica, February 2008.
13. Promoting ICT Cooperation Opportunities and Policy Dialogue with the Western Balkan Countries (ICT-WEB-PROMS), EU FP7 funded Project, International consortium, Montenegro, January 2009.- 2011.
14. Z. Veljovic, I. Radusinovic, E. Kocan, M. Ilic et al.: "Performance analysis of OFDM relay and OFDM cooperative diversity systems", research project funded by **Montenegrin Ministry of Education and Science**, 2008.-2011.
15. Z.Veljovic, I.Radusinovic, E.Kocan, et al.: "RF/Microwave Communication Subsystems for Emerging Wireless Technologies (RFCSET)", COST IC0803.
16. Z. Veljović, D.Simunic, M. Pejanovic-Djurisic, K.Malaric, I. Radusinovic, D.Zrno, E. Kocan, U.Urosevic, I.Bacic: "Performance analysis of OFDM based relay sistem", in the framework of the Montenegro-Croatia bilateral cooperation program, 2011.-2012.
17. M. Pejanovic-Djurisic, C. Mecklenbräuker, Z. Veljovic et al.: "OFDM based technical solutions for wireless broadband communications systems of the next generation", in the framework of the Montenegro-Austria bilateral cooperation program, 2011.-2013.
18. M. Pejanovic-Djurisic, T. Javornik, Z. Veljovic, E. Kocan et al., "Advanced technologies for mobile broadband communications systems of the next generation", in the framework of the Montenegro-Slovenia bilateral cooperation program, 2011.-2013.
19. Z. Veljovic, E. Kocan, M. Ilic-Delibasic, U. Urosevic, "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.
20. Z. Veljovic, E. Kocan, M. Ilic-Delibasic, U. Urosevic, "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.
21. Z. Veljovic, E. Kocan, M. Ilic-Delibasic, U. Urosevic, "Study on the possibilities of using the digital dividend", Faculty of Electrical Engineering, Podgorica, march 2013.
22. Fostering innovation based research for e-Montenegro - FORE-MONT, EU FP7 funded project through REGPOT scheme, Financial and Administrative Manager, 2012-2015.
23. Low EMF Exposure Future Networks - LEXNET EU FP7 funded project, International consortium, Montenegrin team member, 2012-2015.
24. Fostering development of an ICT centre of excellence in Montenegro, SCOPES "Scientific co-operation between Eastern Europe and Switzerland" programme, project team member 2011-2014.
25. M. Pejanovic-Djurisic, E. Kocan, M. Ilic, Z. Veljovic et al.: "Advanced solutions for performance improvement of cooperative wireless e-service infrastructures", research project funded by Montenegrin Ministry of Science, 2012-2015.
26. Z. Veljovic, U. Urosevic, M. Pejanovic-Djurisic, A. Jovanovic, I. Radusinovic et al.: "Improving the concept of MIMO communications in cellular networks of the next generations", research project funded by Montenegrin Ministry of Science, 2012-2015.