



Faculty of Electrical Engineering
University of Montenegro
Dzordza Vasingtona bb
81000 Podgorica
Tel: +382 20 245 873
e-mail: igorr@ac.me

Igor Radusinovic

Personal info

Date of birth: July 29, 1972
Place of birth: Cetinje, Montenegro
Citizenship: Montenegro
Marital status: Married, three sons

Education

PhD, March 2003 , - University of Belgrade, Belgrade, Serbia
Major: Telecommunications
PhD Thesis: "Analysis of ATM switch from angle of queue location and management"

MSc, April 1997 - Univeristy of Belgrade, Belgrade, Serbia
Major: Telecommunication
MSc Thesis: "Analysis of ATM switch from angle of queue location"
Grade average: 10.0 (out of 10.0)

BSc, January 1994 - University of Montenegro, Podgorica
Major: Electrical Engineering - Electronics and Telecommunications

Grade average: 9.54 (out of 10.0)

Areas of interest and expertise

Switching systems
Computer networks
Telecommunications network theory
Digital communication systems theory
Data communications

Languages

Fluent in English

Teaching and Research Experience

Teaching

December 1994 - September 2003: Teaching/Research Assistant at University of Montenegro, Faculty of Electrical Engineering

September 2003 - September 2008: Assistant Professor at University of Montenegro, Faculty of Electrical Engineering

September 2008 - September 2013: Associate Professor at University of Montenegro, Faculty of Electrical Engineering

September 2013- present: Full Professor at University of Montenegro, Faculty of Electrical Engineering

Teaching courses:

Undergraduate level:

- Telecommunications Networks
- Switching Systems
- Computer Networks
- Business Computer Networks

Graduate level:

- Telecommunications Network theory and analysis
- Telecommunications Networks (advanced course)
- Computer Networks (advanced course)
- Architectures of Packet switches
- Principles of modern telecommunications

Supervising

September 2003 - present:

Over 70 Undergraduate Thesis (Diploma and specialization Works) supervisions in the areas of Telecommunications Networks, University of Montenegro.

September 2004 - present:

7 Master of Science Thesis supervisions, University of Montenegro

Consulting

January 2002 - March 2005: Telecom Montenegro

September 2004 - June 2007: Agency for Telecommunications

February 2005 - January 2008: Cullen International

April 2008 - October 2009: Cullen International

Professional responsibilities

December 1999 - July 2000:

September 2004 - September 2007: Director of Computer Centre at Faculty of Electrical Engineering, University of Montenegro

September 2007 - present: Chief of study programme Electronics, Telecommunications and Computers, Faculty of Electrical Engineering, University of Montenegro

October 2009 - February 2011: Deputy Minister for Science, Research and Technological Development in the Ministry of Education and Science of the Government of Montenegro

December 2009 - November 2012: Montenegrin representative to the Board of Governors of the Joint Research Centre of the European Commission (JRC EC)

December 2009 - February 2013: Montenegrin representative to the European Research Area Committee (ERAC)

February 2011 - February 2013: Chairmen of Montenegrin Council for Science and Research

December 2011 - present: Member of the Management Board, Montenegro Post Joint Stock Company Podgorica

July 2012 - present: Member of the Managing Board, University of Montenegro

Editorial and professional/scientific duties

- Editor of the IEEE Communications Letters
- Member of the IEEE
- Member of the IEICE
- Member of Society for telecommunications
- Member of TELFOR's scientific board,
- Member of INFOFEST's program board
- Member of IT's program board

Honors and Awards

- Award for the best student at the University of Montenegro, University of Montenegro, 1994
- Award for an outstanding achievement as a fourth year university student, University of Montenegro, 1994

Publications

International Journals

- 1 Igor Radusinović, Milica Pejanović, Zoran Petrović, A NEW ANALYTICAL MODEL FOR THE DUAL BANYAN ATM SWITCH THROUGHPUT CALCULATION, IEEE Communications Letters, Vol. 6., No. 2., pp 76-78, February 2002.
- 2 Vanja D. Asanovic, Kemal H. Delijic, Igor D. Radusinovic and Branka Bosnjak, THE EFFECTS OF THERMOMECHANICAL TREATMENTS ON THE MICROSTRUCTURE AND PROPERTIES OF CU-ZN-AL ALLOY ", "High Temperature materials and Processes, Freund Publishing House, Ltd. Volume 21, No.5, pp 269-280, 2002.
- 3 Igor Radusinović, Milica Pejanović, Zoran Petrović, AN EFFICIENT MODEL FOR PERFORMANCE ANALYSIS OF THE DUAL BANYAN SWITCH UNDER UNIFORM AND NON-UNIFORM TRAFFICS, IEICE Transactions on Communications, Vol.E85-B, No.7, pp 1410 – 1414, July 2002.
- 4 Igor Radusinović, Milica Pejanović, Zoran Petrović, PERFORMANCE OF THE DUAL-BANYAN ATM SWITCH UNDER ARBITRARY TRAFFIC PATTERNS, European Transactions on Telecommunications, No.14, pp 319 – 323, November 2003.
- 5 Igor Radusinović, Zoran Veljović, NEW ROUND-ROBIN SCHEDULING ALGORITHM FOR COMBINED INPUT-CROSSPOINT BUFFERED SWITCH, Lecture Notes in Computer Science, Vol.3420, pp 857 – 861, Springer-Verlag GmbH, March 2005.
- 6 Zoran Veljović, Milica Pejanović, Igor Radusinović, PERFORMANCE ANALYSIS OF A NEW OFDM-CDMA SYSTEM WITH PILOT TONE FOR MULTIMEDIA COMMUNICATIONS, IEICE Transactions on Communications, pp 3480 – 3484, Vol. E88-B, No 8., August 2005.
- 7 Dušan Banović, Igor Radusinović, PERFORMANCE ANALYSIS OF VOQ SWITCHES UNDER UNBALANCED TRAFFIC BY USING VOQ SIMULATOR, WSEAS Transactions on Communications, Issue 6, Volume 5, pp.1135-1139, June 2006
- 8 Sofija Mirotić, Igor Radusinović, THE PRINCIPLES OF SPEECH TRANSMISSION REALIZATION IN SKYPE, WSEAS Transactions on Computers, Issue 1, Vol. 6, January 2007. god.
- 9 Dušan Banović, Igor Radusinović, SCHEDULING ALGORITHM FOR VOQ SWITCHES, AEU - International Journal of Electronics and Communications, Vol. 62, Issue 6, Jun 2008., pp. 455-458, ISSN 1434-8411.

- 10 Radonjic M., Radusinovic I., Cvorovic J., Yoshigoe K., "ITERATIVE THROUGHPUT CALCULATION FOR CROSSPOINT QUEUED SWITCH", IEICE Transactions on Communications, Vol E93-B, No 12, December 2010, pp. 3635-3638, ISSN: 0916-8516 (print version), ISSN : 1745-1345 (Online).
- 11 Radonjic M., Radusinovic I., "IMPACT OF SCHEDULING ALGORITHMS ON PERFORMANCE OF CROSSPOINT-QUEUED SWITCH", Annals of Telecommunications, Vol 66, No 5-6, May/June 2011, pp.363-376, ISSN: 0003-4347 (print version), ISSN: 1958-9395 (electronic version), DOI: 10.1007/s12243-010-0214-y.
- 12 Radonjic M., Radusinovic I., Maljevic I., Banovic D., "CQ Switch Analysis under Traffic Overload", Telfor Journal, Vol.3, No.1, 2011., pp. 19 – 22, ISSN: 1821-3251.
- 13 Radonjic M., Radusinovic I., Simurina A., Banovic D., "A NEW ANALYTICAL MODEL FOR THE CQ SWITCH PERFORMANCE ANALYSIS UNDER THE BURSTY TRAFFIC", IEICE Transaction on Communications, Vol.E95-B, No.2, February 2012, pp.595-598, ISSN: 0916-8516 (print version), ISSN : 1745-1345 (Online).
- 14 Radusinovic I., Radonjic M., Simurina A., Maljevic I., Veljovic Z., "A NEW ANALYTICAL MODEL FOR THE CQ SWITCH THROUGHPUT CALCULATION UNDER THE BURSTY TRAFFIC", International Journal of Electronics and Communications (AEU), Vol. 66, No 12, December 2012, pp.1038– 1041, ISSN: 1434-8411.
- 15 Radonjic M., Radusinovic I., Maljevic I., "PACKET DELAY VARIATION ANALYSIS OF THE CQ SWITCH", Telfor Journal, Vol.4, No.1, 2012., pp. 8-13, ISSN: 1821-3251.
- 16 Tomovic S., Pejanovic-Djurisic M., Radusinovic I., "SDN BASED MOBILE NETWORKS: CONCEPTS AND BENEFITS", Wireless Personal Communications 78(3), 2014, pp. 1629-1644.
- 17 Gardasevic G., Divanovic S., Radonjic M., Radusinovic I., "A QOS-AWARE DUAL CROSSPOINT QUEUED SWITCH WITH LARGEST WEIGHTED OCCUPANCY FIRST SCHEDULING ALGORITHM", IEICE Transaction on Communications, Vol.E98-B, No.01, January 2015, ISSN: 0916-8516 (print version), ISSN: 1745-1345 (Online).

National Journals

- 1 Radonjic M., Radusinovic I., PERFORMANCE ANALYSIS OF CROSSBAR SWITCHES WITH BUFFERS IN CROSSPOINTS, ETF Journal of Electrical Engineering, Vol.18, No.1, pp. 83-96, November 2009, YU ISSN 0353-5207.
- 2 Simurina A., Radonjic M., Radusinovic I., "A NEW ANALYTICAL MODEL FOR THE CQ SWITCH PERFORMANCE ANALYSIS UNDER THE IBP TRAFFIC", ETF Journal of Electrical Engineering, Vol.19, No.1, pp. 111-127, October 2011, YU ISSN 0353-5207.
- 3 Tomovic S., Radonjic M., Radusinovic I., "QUAGGA ROUTING PLATFORM: APPLICATION AND PERFORMANCE", ETF Journal of Electrical Engineering, Vol.20, No.1, pp. 126-135, September 2014, ISSN 0354-

8653.

- 4 Tomic M., Radonjic M., Lekic N., Radusinovic I., "VIRTUALIZATION IN OPENFLOW NETWORKS", ETF Journal of Electrical Engineering, Vol.20, No.1, pp. 136-145, September 2014, ISSN 0354-8653.

International Conference Proceedings

- 1 I.Radusinović, Z.Petrović, M.Pejanović: ROUTING ALGORITHM IN NEW BUFFER BANYAN WITH INTERNAL OUTPUT BUFFERS, Proceedings of TELSIS, Nis, November 1997.
- 2 I.Radusinović, Z.Petrović, M.Pejanović: A PROPOSAL ON NEW ATM SWITCHING FABRIC, Proceedings of International Conference on Communication Technology, Beijing 1998.
- 3 Igor Radusinović, Zoran Petrović, Milica Pejanović, BIFURCATED QUEUEING IN PERFORMANCE IMPROVEMENT OF INPUT BUFFER BANYAN ATM SWITCH, Proceedings of wmATM99, San Francisco, USA, June 1999.
- 4 Igor Radusinović, Zoran Petrović, Milica Pejanović, BIFURCATED BUFFERING IN INTERNAL BUFFER BANYAN ATM SWITCH Proceedings of ICATM99, Colmar, France, June 1999.
- 5 Igor Radusinovic, Zoran Petrovic, Milica Pejanovic Djurisc, ROUTING ALGORITHM IN BIFURCATED BUFFER BANYAN ATM SWITCH, Proceedings of TELSIS, Nis, Yugoslavia, November 1999.
- 6 Igor Radusinovic, Zoran Petrovic, Milica Pejanovic Djurisc, BIFURCATED BUFFER BANYAN ATM SWITCH, Proceedings of ICICS99, Singapore, December 1999.
- 7 Igor Radusinović, Milica Pejanović, Zoran Petrović, PERFORMANCE COMPARISON OF BUFFER BANYAN ATM SWITCHES, Proceedings of Singapore International Conference on Communications Systems, Singapore, December 2000.
- 8 Igor Radusinović, Zoran Petrović, Milica Pejanović, PERFORMANCE ANALYSIS OF THE DUAL-BANYAN ATM SWITCH, Proceedings of ICC2001, Helsinki, Finland, June 2001.
- 9 Igor Radusinovic, Zoran Petrovic, Milica Pejanovic Djurisc, A PERFORMANCE COMPARISON OF DIFFERENT MULTI INPUT QUEUEING ATM SWITCHES, Proceedings of TELSIS 2001, Nis, Yugoslavia, September 2001.
- 10 Igor Radusinovic, Milica Pejanovic, Zoran Petrovic, IMPACT OF SCHEDULING ALGORITHMS ON PERFORMANCE OF BUFFERED CROSSBAR SWITCH FABRICS, Proceedings of ICC 2002, New York, USA, April 2002.
- 11 Igor Radusinovic, Milica Pejanovic, Zoran Petrovic IMPACT OF SCHEDULING ALGORITHMS ON PERFORMANCE OF BUFFERED CROSSBAR SWITCH FABRICS, Proceedings of Melecon 2002, Cairo, Egypt, May 2002.
- 12 Zoran Veljović, Milica Pejanović, Igor Radusinović. Zoran Petrović, A MODEL FOR OFDM-CDMA SYSTEM WITH PILOT TONE, Proceedings of WSEAS Conferences, Salzburg, Austria, February 2004.
- 13 Igor Radusinović, Zoran Veljovic, Zoran Petrović, PERFORMANCE ANALYSIS OF CELL-BASED AND PACKET BASED INPUT-QUEUED

- SWITCH WITH ILPF SCHEDULING ALGORITHM", Proceedings of ICN 2004, Gosier, Guadeloupe, France, March 2004.
- 14 Zoran Veljović, Milica Pejanović, Igor Radusinović, MODIFIED OFDM-CDMA SYSTEM WITH PILOT TONE FOR MULTIMEDIA COMMUNICATIONS, Proceedings of WPMC 2004, Padova, Italy, September 2004.
- 15 Igor Radusinović, Zoran Veljovic, NEW ROUND-ROBIN SCHEDULING ALGORITHM FOR COMBINED INPUT-CROSSPOINT BUFFERED SWITCH, Proceedings of ICN 2005, Reunion Island, France, April 2005.
- 16 Igor Radusinović, Zoran Veljovic, EXHAUSTIVE LIMITED SERVICE ROUND ROBIN MATCHING ALGORITHM FOR BUFFERED CROSSBAR SWITCHES, Proceedings of Telsiks 2005, Nis, Serbia and Montenegro, September 2005.
- 17 Zoran Veljović, Milica Pejanović, Igor Radusinović, Elvis Babačić, OFDM-CDMA TRANSMIT DIVERSITY SYSTEM WITH ANTENNA SELECTION AND PILOT TONE, Proceedings of IWS 2005, Aalborg, Denmark, September 2005.
- 18 Dušan Banović, Igor Radusinović, SOFTWARE TOOL FOR PERFORMANCE ANALYSIS OF VOQ SWITCHES, Proceedings of EUROCON 2005, Belgrade, Serbia and Montenegro, November 2005.
- 19 Igor Radusinović, Zoran Veljovic, PERFORMANCE ANALYSIS OF EXHAUSTIVE LIMITED SERVICE ROUND ROBIN MATCHING ALGORITHM, Proceedings of ICN 2006, Mauritius, April 2006.
- 20 Dušan Banović, Igor Radusinović, VOQ SIMULATOR - SOFTWARE TOOL FOR PERFORMANCE ANALYSIS OF VOQ SWITCHES, Proceedings of AICT 2006, Guadeloupe, France, February 2006.
- 21 Dušan Banović, Igor Radusinović, VOQ Simulator v2.0 - Software Tool for Performance Analysis of VOQ Switches , Proceedings of Infocom 2006, Poster & Demo Session, Barcelona, Spain, April 2006.
- 22 Dušan Banović, Igor Radusinović, Simulator for Performance Analysis of VOQ Switches , Proceedings of ISCC 2006, Pula-Cagliari, Italy, June 2006.
- 23 Zoran Veljović, Milica Pejanović, Igor Radusinović, Elvis Babačić, OFDM-CDMA SWITCHING TRANSMIT DIVERSITY SYSTEM WITH ORC COMBINING, Proceedings of WPMC 2006, San Diego, USA, September 2006.
- 24 Maroje Delibašić, Igor Radusinović, SIMULATION-BASED COMPARISON OF TCP NEW RENO, NEW JERSEY, WESTWOOD+ AND LOGWESTWOOD+, Proceedings of ICOIN 2007, Estoril, Portugal, January 2007.
- 25 Maroje Delibašić, Igor Radusinović, Zoran Veljović, PERFORMANCE EVALUATION OF LOGWESTWOOD+ TCP IN WIRED/WIRELESS NETWORKS, Proceedings of European Wireless 2007, Paris, France, April 2007.
- 26 Maroje Delibašić, Igor Radusinović, LD-LOG WESTWOOD+ TCP FOR WIRELESS NETWORKS, Proceedings of TELSIS 2007, Niš, Srbija, September 2008.
- 27 Maroje Delibašić, Igor Radusinović, Zoran Veljović, PERFORMANCE

- EVALUATION OF TCP MONTENEGRO IN HETEROGENEOUS NETWORKS, Proceedings of World Wireless Congress 2008, San Francisco, USA, May 2008.
- 28 Milutin Radonjić, Igor Radusinović, Zoran Veljović, PERFORMANCE ANALYSIS OF LPF BASED VOQ CROSSBAR SWITCHES, Proceedings of Eurocon 2009, Sant Petersburg, Russia, May 2009.
- 29 Marta Pavicevic, Igor Radusinovic, Zoran Veljovic, PERFORMANCE ANALYSIS OF TCP ALGORITHMS FOR CONGESTION CONTROL IN WIMAX NETWORK, Proceedings of WPMC 2009, Sendai, Japan, September 2009.
- 30 Radonjic M., Radusinovic I., BUFFER LENGTH IMPACT TO CROSSPOINT QUEUED CROSSBAR SWITCH PERFORMANCE, Proc. of 15th IEEE Mediterranean Electrotechnical Conference Melecon 2010, pp. 119-124, Valletta, Malta, April 2010.
- 31 Radonjic M., Radusinovic I., BUFFER LENGTH IMPACT TO 32X32 CROSSPOINT QUEUED CROSSBAR SWITCH PERFORMANCE, Proc. of 15th IEEE Symposium on Computers and Communications (ISCC'2010), pp. 954-959, Riccione, Italy, June 2010.
- 32 Radonjic M., Radusinovic I., AVERAGE LATENCY AND LOSS PROBABILITY ANALYSIS OF CROSSPOINT QUEUED CROSSBAR SWITCHES, Proc. of 52nd International Symposium ELMAR 2010, pp. 203-206, Zadar, Croatia, September 2010.
- 33 Radonjic M., Radusinovic I., Maljevic I., "PERFORMANCE COMPARISON OF CQ SELECTION POLICIES", Proc. of IEEE Eurocon 2011, Lisbon, Portugal, April 2011.
- 34 Radonjic M., Radusinovic I., Veljovic Z., Maljevic I., "PERFORMANCE EVALUATION OF CROSSPOINT QUEUED SWITCH UNDER THE HEAVY TRAFFIC", Proc. of 16th IEEE symposium on Computers and Communications (ISCC 2011), pp. 943-949, Corfu, Greece, June 2011.
- 35 Misovic D., Ljumovic N., Radonjic M., Radusinovic I., "IMPLEMENTATION OF THE CROSSPOINT-QUEUED SWITCH'S OUTPUT CONTROLLER ON THE NETFPGA PLATFORM", Proc. of 53rd International Symposium ELMAR-2011, pp. 235-238, Zadar, Croatia, September 2011.
- 36 Ljumović N., Mišović D., Radusinović I., Radonjić M., Banović D., "ANALIZA UTICAJA VELIČINE BAFERA NA PERFORMANCE CQ ETHERNET KOMUTATORA", Proc. of 19th Telecommunication Forum TELFOR 2011, pp. 186-189, Belgrade, Serbia, November 2011.
- 37 Radonjić M., Radusinović I., Banović D., Maljević I., "ANALIZA VARIJACIJE KAŠNJENJA KOD CQ KOMUTATORA PAKETA U USLOVIMA UNIFORMNOG SAOBRAĆAJA", Proc. of 19th Telecommunication Forum TELFOR 2011, pp. 190-193, Belgrade, Serbia, November 2011.
- 38 Radonjic M., Radusinovic I., Maljevic I., "PACKET DELAY VARIANCE ANALYSIS OF THE CQ SWITCH UNDER THE UNBALANCED TRAFFIC", Proc. of 16th IEEE Mediterranean Electrotechnical Conference (Melecon 2012), pp. 1005-1008, Yasmine Hammamet, Tunisia, March 2012.
- 39 Radonjić M., Radusinović I., "CQ SWITCH PERFORMANCE ANALYSIS

- FROM THE POINT OF BUFFER SIZE AND SCHEDULING ALGORITHMS" (Invited paper), Proc. of 20th Telecommunication Forum TELFOR 2012, pp. 210-217, Belgrade, Serbia, November 2012.
- 40 Divanovic S., Kovacevic V., Radonjic M., Yoshigoe K., Radusinovic I., "CROSSPOINT QUEUED SWITCH PERFORMANCE ANALYSIS UNDER MULTICAST TRAFFIC", Proc. of 20th Telecommunication Forum TELFOR 2012, pp. 226-229, Belgrade, Serbia, November 2012.
- 41 Radonjic M., Maljevic I., Lekic N., Radusinovic I., "PERFORMANCE ANALYSIS OF VARIABLE PACKET SIZE CROSSPOINT-QUEUED SWITCH", Proc. of IEEE Eurocon 2013, pp. 673-678, Zagreb, Croatia, July 2013.
- 42 Divanovic S., Radonjic M., Gardasevic G., Radusinovic I., "PERFORMANCE ANALYSIS OF CROSSPOINT QUEUED CROSSBAR SWITCH WITH WEIGHTED ROUND ROBIN SCHEDULING ALGORITHM UNDER UNBALANCED BURSTY TRAFFIC", Proc. of IEEE ISCC 2013, pp. 120-124, Split, Croatia, July 2013.
- 43 Maletic N., Divanovic S., Radonjic M., Radusinovic I., Gardasevic G., "PERFORMANCE EVALUATION OF DUAL CROSSPOINT QUEUED CROSSBAR PACKET SWITCH", Proc. of TELSIS 2013, pp. 145-148, Nis, Serbia, October 2013.
- 44 Divanovic S., Radonjic M., Gardasevic G., Radusinovic I., "DYNAMIC WEIGHTED ROUND ROBIN IN CROSSPOINT QUEUED SWITCH", Proc. of 21th Telecommunication Forum TELFOR 2013, pp. 109-112, Belgrade, Serbia, November 2013.
- 45 Odalovic M., Radusinovic I., "IMPROVING AND SIMPLIFYING CONTROL IN OPENFLOW NETWORKS", Proc. of 21th Telecommunication Forum TELFOR 2013, pp. 86-89, Belgrade, Serbia, November 2013.
- 46 Gadzovic A., Lekic N., Radusinovic I., "AUTOMATION OF PARKING SERVICES USING UHF RFID TECHNOLOGY AND MAGNETOMETERS", Proc. of 21th Telecommunication Forum TELFOR 2013, pp. 597-600, Belgrade, Serbia, November 2013.
- 47 Radusinovic I., Divanovic S., Radonjic M. "ANALYSIS OF WRR SCHEDULING ALGORITHM FRAME SIZE IMPACT ON CQ SWITCH PERFORMANCE", Accepted for 17th IEEE Mediterranean Electrotechnical Conference (Melecon 2014), Beirut, Lebanon, April 2014.

National Conference Proceedings

- 1 Milica Pejanović Đurišić, Igor Radusinović, OSNOVNA KONTROLA RADA CENTRALE M-10CN PREKO PC RAČUNARA, Zbornik abstrakata YU INFO 95, Brezovica, April 1995.
- 2 Igor Radusinović, Milica Pejanović Đurišić, Zoran Veljović, SIMULATION OF TRELIS DIAGRAM, Zbornik radova PRIM 96, Budva, Jun 1996.
- 3 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, JEDAN PREDLOG ZA SISTEMATIZACIJU ATM KOMUTACIONIH UREĐAJA, Zbornik radova TELFOR 96, Beograd, Novembar 1996.
- 4 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, ATM KOMUTATOR: KLASIFIKACIJA, PERFORMANSE I PREDLOGJEDNE

- KONKRETNE REALIZACIJE, Zbornik radova IT 97, Zabljak, Mart 1997.
- 5 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, NOVI ATM BAFER BANIJAN KOMUTATOR SA BAFERIMA NA IZLAZIMA KOMUTACIONIH ELEMENATA, Zbornik radova ETRAN 97, Zlatibor, Jun 1997.
 - 6 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, PERFORMANCE OF BIFURCATED ATM SWITCH, Zbornik radova TELFOR 98, Beograd, Novembar 1998.
 - 7 Igor Radusinović, Milica Pejanović, WATM: ARHITEKTURA I MODEL PROTOKOLA, Zbornik radova IT 99, Žabljak, Februar 1999.
 - 8 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, PARALELNI ATM KOMUTATOR SA BIFURCATED BAFER BANIJAN KOMUTACIONIM RAVNIMA, Zbornik radova ETRAN 2001, Zlatibor, Jun 2001.
 - 9 Igor Radusinović, Milica Pejanović Đurišić, Zoran Petrović, ANALIZA PERFORMANSI CICQ KOMUTATORA BAZIRANOG NA RR ALGORITMU ARBITRACIJE, Zbornik radova ETRAN 2003, Herceg Novi, Jun 2003.
 - 10 Igor Radusinović, Zoran Petrović, PERFORMANCE ANALYSIS OF CELL AND PACKET SWITCH WITH FINITE INPUT QUEUES AND ILPF SCHEDULING ALGORITHM, Zbornik radova TELFOR 2003, Beograd, Novembar 2003.
 - 11 Igor Radusinović, ANALIZA UTICAJA LOKACIJE I UPRAVLJANJA REDOVIMA ČEKANJA NA PERFORMANSE KROSBAR KOMUTATORA ČELIJA, Zbornik radova TELFOR 2003, rad po pozivu, Beograd, Novembar 2003.
 - 12 Elvis Babačić, Zoran Veljović, Igor Radusinović, SIMULACIJA OFDM-CDMA SISTEMA SA PILOT TONOM U USLOVIMA RICE-OVOG FEDINGA, Zbornik radova TELFOR 2004, Beograd, Novembar 2004.
 - 13 Zoran Veljović, Milica Pejanović, Igor Radusinović, ANALIZA PERFORMANSI OFDM-CDMA SISTEMA SA OPTIMALNIM TDC KOMBINOVANJEM NA PRIJEMU, Zbornik radova TELFOR 2004, Beograd, Novembar 2004.
 - 14 Dean Bilafer, Vasilije Zloković, Igor Radusinović, Zoran Veljović, ALGORITAM ZA DSL ANALIZU U APLIKACIJI ANIMADB, Zbornik radova TELFOR 2004, Beograd, Novembar 2004.
 - 15 Dušan Banović, Igor Radusinović, SISTEMATIZACIJA VOQ KOMUTATORA, Zbornik radova IT 2005, Žabljak, Mart 2005.
 - 16 Dean Bilafer, Igor Radusinović, Vasilije Zloković, Zoran Veljović, BAZA PODATAKA RESURSA PRISTUPNE TELEKOMUNIACIONE MREŽE, Zbornik radova IT 2005, Žabljak, Mart 2005.
 - 17 Radovan Vukotić, Igor Radusinović, PREGLED TEHNOLOGIJA ZA REALIZACIJU OPTIČKIH KOMUTATORA, Zbornik radova IT 2005, Žabljak, Mart 2005.
 - 18 Maroje Delibašić, Igor Radusinović, MIKROMOBILNOST NA BAZI MPLS, Zbornik radova IT 2005, Žabljak, Mart 2005.
 - 19 Dragana Josipović, Igor Radusinović, PRENOS GOVORA PREKO BEŽIČNIH LOKALNIH RAČUNARSKIH MREŽA, Zbornik radova IT 2005, Žabljak, Mart 2005.
 - 20 Marta Pavićević, Igor Radusinović, MREŽA ZA DISTRIBUCIJU

- SADRŽAJA (CDN- CONTENT DELIVERY NETWORK), Zbornik radova IT 2005, Žabljak, Mart 2005.
- 21 Igor Radusinović, Zoran Veljović, ANALIZA PERFORMANSI ERRL-ERRL CICQ KOMUTATORA, Zbornik radova ETRAN 2005, Budva, Jun 2005.
- 22 Dušan Banović, Igor Radusinović, PRILOG ANALIZI VOQ KOMUTATORA ČELIJA, Zbornik radova ETRAN 2005, Budva, Jun 2005.
- 23 Dušan Banović, Igor Radusinović, PERFORMANCE ANALYSIS OF VOQ SWITCHES, Zbornik radova IS 2005, Herceg Novi, Septembar 2005.
- 24 Banović Dušan, Radusinović Igor, ANALIZA PERFORMANSI VOQ KOMUTATORA ČELIJA ZA NEBALANSIRANE SAOBRAĆAJNE USLOVE KORIŠTENJEM VOQ SIMULATORA, Zbornik radova TELFOR 2005, Beograd, Novembar 2005.
- 25 Mirotić Sofija, Radusinović Igor, STIMULUS PROTOKOLI U VOIP OKRUŽENJU, Zbornik radova TELFOR 2005, Beograd, Novembar 2005.
- 26 Mirotić Sofija, Radusinović Igor, ANALIZA P2P IP TELEFONIJE NA PRIMERU SKYPE-A, Zbornik radova IT 2006, Žabljak, februar 2006.
- 27 Pajović Milutin, Radusinović Igor, PREGLED CICQ KOMUTATORA PAKETA, Zbornik radova IT 2006, Žabljak, februar 2006.
- 28 Banović Dušan, Radusinović Igor, PREGLED ARHITEKTURA RUTERA, Zbornik radova IT 2006, Žabljak, februar 2006.
- 29 Josipović Dragana, Radusinović Igor, PREGLED RJEŠENJA ZA UNAPREĐENJE KVALITETA SERVISA PRI MULTIMEDIJALNOM PRENOSU PREKO BEŽIČNIH LOKALNIH RAČUNARSKIH MREŽA, Zbornik radova IT 2006, Žabljak, februar 2006.
- 30 Mirotić Sofija, Radusinović Igor, PRINCIPI REALIZACIJE PRENOSA GOVORA U APLIKACIJI SKYPE, Zbornik radova ETRAN, jun 2006, Beograd.
- 31 Delibašić Maroje, Radusinović Igor, PRIMJENA NS2 SIMULATORA U ANALIZI AQM ALGORITAMA, Zbornik radova INFOFEST, septembar 2006, Budva.
- 32 Delibašić Maroje, Radusinović Igor, ISPITIVANJE PERFORMANSI LOGWESTWOOD+ TCP PROTOKOLA, Telfor 2006, Beograd, Novembar 2006.
- 33 Radonjić Milutin, Radusinović Igor, PERFORMANCE ANALYSIS OF LPF BASED VOQ CROSSBAR SWITCHES, 16. Telekomunikacioni Forum TELFOR 2008, Beograd, Srbija, Novembar 2008.
- 34 Radonjić Milutin, Radusinović Igor, AN EXAMPLE OF CROSSBAR SWITCH SCHEDULER HARDWARE IMPLEMENTATION, 14. Konferencija o informacionim tehnologijama IT 09, pp. 7-10, Žabljak, Crna Gora, Februar 2009.
- 35 Radonjić Milutin, Radusinović Igor, PERFORMANCE EVALUATION OF 32X32 LPF BASED CROSSBAR SWITCHES, ETRAN 2009, Vrnjačka Banja, Srbija, Jun 2009.
- 36 E. Kočan, M. Ilić, Z.Veljović, I. Radusinović, "Implementation of new telecommunications technologies in power system", Prvi simpozijum CIGRE – Crna Gora, Pržno – Oktobar 2009.
- 37 M. Ilić, E. Kočan, I. Radusinović, Z.Veljović, "Overview of Power Saving Solutions in Telecommunication Networks", Prvi simpozijum CIGRE –

- Crna Gora, Pržno – Oktobar 2009.
- 38 Čvorović Jelena, Radusinović Igor, Radonjić Milutin, BUFFERING IN CROSSPOINT-QUEUED SWITCH, 17. Telekomunikacioni Forum TELFOR 2009, pp. 198-201, Beograd, Srbija, Novembar 2009.
- 39 Ugren Budimir, Radonjić Milutin, Radusinović Igor, PACKET TRAFFIC GENERATOR BASED ON THE NETFPGA PLATFORM, 17. Telekomunikacioni Forum TELFOR 2009, pp. 282-285, Beograd, Srbija, Novembar 2009.
- 40 Čvorović Jelena, Radusinović Igor, Radonjić Milutin, CROSSPOINT-QUEUED SWITCH PERFORMANCE, Konferencija o informacionim tehnologijama IT 2010, Žabljak, Crna Gora, Februar 2010.
- 41 Tomić Dajana, Radusinović Igor, COMPARASION ANALYSIS OF METHODS FOR HIGHER MOMENTS CALCULATION OF M/M/c QUEUE LENGTH, Konferencija o informacionim tehnologijama IT 2010, Žabljak, Crna Gora, Februar 2010.
- 42 Ljumović Nikola, Radonjić Milutin, Radusinović Igor, IMPLEMENTATION EXAMPLE OF THE TCP/IP/ETHERNET COMMUNICATION BETWEEN PC AND SPARTAN 3E FPGA BOARD, Konferencija o informacionim tehnologijama IT 2010, Žabljak, Crna Gora, Februar 2010.
- 43 Mišović Danilo, Radonjić Milutin, Radusinović Igor, IMPLEMENTATION OF SERIAL COMMUNICATION WITH SPARTAN 3E FPGA DEVELOPMENT PLATFORM, Konferencija o informacionim tehnologijama IT 2010, Žabljak, Crna Gora, Februar 2010.
- 44 Radonjic M., Radusinovic I., "MEMORY REQUIREMENTS FOR CROSSPOINT QUEUED CROSSBAR SWITCH IMPLEMENTATION", Scientific – Professional Symposium Infoteh-Jahorina 2010, Vol. 9, Ref. B-II-13, pp. 232-236, Jahorina, Bosnia and Herzegovina, March 2010.
- 45 Mišović D., Vučinić M., Radonjić M., Radusinović I., Veljović Z., "PRIMJER REALIZACIJE ETHERNET SWITCH-A NA NETFPGA PLATFORMI", INFOFEST 2010, pp. 214-224, Budva, Montenegro, Sept.-Oct. 2010.
- 46 Ljumović N., Odalović M., Radonjić M., Radusinović I., Veljović Z., "TESTIRANJE ETHERNET SWITCH-A REALIZOVANOG NA NETFPGA RAZVOJNOJ PLATFORMI", INFOFEST 2010, pp. 278-288, Budva, Montenegro, Sept.-Oct. 2010.
- 47 Radonjic M., Radusinovic I., Maljevic I., Banovic D., "CQ SWITCH ANALYSIS UNDER THE TRAFFIC OVERLOAD", Proc. of 18th Telecommunication Forum TELFOR 2010, pp. 227-230, Belgrade, Serbia, November 2010.
- 48 Ljumovic N., Misovic D., Radonjic M., Radusinovic I., "CQ ETHERNET SWITCH IMPLEMENTATION ON THE NETFPGA PLATFORM", Proc. of 18th Telecommunication Forum TELFOR 2010, pp. 223-226, Belgrade, Serbia, November 2010.
- 49 Šimurina A., Radusinović I., Radonjić M., Veljović 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, Žabljak,

- Montenegro, February 2011.
- 50 Ljumović N., Mišović D., Radonjić M., Radusinović I., "REGISTER SYSTEM FOR PERFORMANCE ANALYSIS OF CQ ETHERNET SWITCH IMPLEMENTED ON THE NETFPGA PLATFORM", 16th Conference on Information Technologies IT 11, pp. 218-221, Žabljak, Montenegro, February 2011.
- 51 Radonjić M., Radusinović I., "ANALIZA VARIJACIJE KAŠNJENJA PAKETA KOD KROSBAR KOMUTATORA SA BAFERIMA U UKRSNIM TAČKAMA", Scientific – Professional Symposium Infoteh-Jahorina 2011, Vol. 10, Ref. B-III-8, pp. 224-228, Jahorina, Bosnia and Herzegovina, March 2011.
- 52 Ljumović N., Mišović D., Radonjić M., Radusinović I., "HARDVERSKA REALIZACIJA TABELE PROSLEĐIVANJA CQ ETHERNET KOMUTATORA", Proc. 55th ETRAN Conference, Banja Vrućica, June 2011.
- 53 Radonjić M., Radusinović I., "ANALYSIS OF THE IMPACT OF THE LQF ALGORITHM MODIFICATION ON THE CQ SWITCH PERFORMANCE", Proc. 17th Conference on Information Technologies IT 12, pp. 64-67, Žabljak, Montenegro, February 2012.
- 54 Kovačević V., Radonjić M., Radusinović I., "Analysis OF MULTICAST TRAFFIC MODELING", Proc. 18th Conference on Information Technologies IT 13, pp. 149-152, Žabljak, Montenegro, February 2013.
- 55 Divanović S., Radonjić M., Maletić N., Veletić M., Kosić D., Gardašević G., Radusinović I., "SCHEDULING ALGORITHMS WITH QoS SUPPORT FOR CROSSPOINT QUEUED CROSSBAR SWITCH", Proc. 18th Conference on Information Technologies IT 13, pp. 153-156, Žabljak, Montenegro, February 2013.
- 56 Odalović M., Lekić N., Radusinović I., "OPENFLOW: NOSILAC PROMJENA U UPRAVLJANJU MREŽOM", 18th Conference on Information Technologies IT 13, Žabljak, Montenegro, February 2013.
- 57 Gadžović A., Lekić N., Radusinović I., "INTERNET OF THINGS CONCEPT: CHALLENGES, APPLICATIONS AND PROJECT INITIATIVES", 18th Conference on Information Technologies IT 13, Žabljak, Montenegro, February 2013.
- 58 Divanović S., Radonjić M., Gardasević G., Radusinović I., "ANALYSIS OF CQ SWITCH MAXIMUM DELAY UNDER BURSTY TRAFFIC", Scientific - Professional Symposium Infoteh-Jahorina 2013, Vol. 12, Ref. KST-3-8, pp. 460-463, Jahorina, Bosnia and Herzegovina, March 2013.
- 59 Kovačević V., Radonjić M., Radusinović I., "PERFORMANCE ANALYSIS OF CQ PACKET SWITCH UNDER SEVERAL MULTICAST INCOMING TRAFFIC MODELS", Proc. 57th ETRAN Conference, pp. TE1.4.1-6, Zlatibor, June 2013.
- 60 Divanović S., Radonjić M., Gardašević G., Radusinović I., "PERFORMANCE ANALYSIS OF CQ SWITCH FOR DIFFERENT FRAMES OF WRR SCHEDULING ALGORITHM", Proc. 57th ETRAN Conference, pp. TE1.3.1-6, Zlatibor, June 2013.
- 61 Tomić M., Radonjić M., Lekić N., Radusinović I., "NETWORK VIRTUALIZATION WITH FLOWVISOR TOOL", Proc. 19th Conference on

- Information Technologies IT 14, pp. 64-67, Žabljak, Montenegro, February 2014.
- 62 Tomović S., Radonjić M., Radusinović I., "IMPLEMENTATION OF RIP AND OSPF PROTOCOLS ON QUAGGA PLATFORM", Proc. 19th Conference on Information Technologies IT 14, pp. 68-71, Žabljak, Montenegro, February 2014.
- 63 Šabotić R., Radonjić M., Radusinović I., "DISTRIBUTION OF UNIVERSAL COORDINATED TIME", Proc. 19th Conference on Information Technologies IT 14, pp. 72-75, Žabljak, Montenegro, February 2014.
- 64 Lekić N., Gadžović A., Radusinović I., "V2X SISTEMI KOOPERATIVNE MOBILNOSTI", Proc. 19th Conference on Information Technologies IT 14, pp. 76-79, Žabljak, Montenegro, February 2014.

Founded projects

- 1 ENTERPRISE TELECOMMUNICATION NETWORK FOR PORT OF BAR, University of Montenegro, project team member, 2000.
- 2 TELEMEDICINE IMPLEMENTATION IN MONTENEGRO, Ministry of Health Care Montenegro, project team member, 2000.
- 3 ENTERPRISE TELECOMMUNICATION NETWORK FOR MONTENEGRO AIRLINES, University of Montenegro, project team member, 1999.
- 4 COMPUTER NETWORK FOR MONET, University of Montenegro, project team member, 2000.
- 5 COMPUTER NETWORK FOR COMMUNITY PODGORICA, University of Montenegro, project team member, 2001.
- 6 TELECOMMUNICATIONS ACCESS NETWORK CONCEPT, Telecom Montenegro, project team member, 2002
- 7 RADIO MONITORING SYSTEM, Agency for Telecommunications, project team member, 2004
- 8 DEVELOPMENT STRATEGY, Monet, project team member, 2004
- 9 IMPLEMENTATION OF RADIO MONITORING SYSTEM, Agency for Telecommunications, project coordinator, 2005
- 10 PROJECT ANALYSIS OF TECHNOECONOMICAL JUSTIFICATION OF THE THIRD GENERATION MOBILE COMMUNICATIONS NETWORKS INTRODUCTION IN MONTENEGRO, funded by Agency for Telecommunications, Faculty of Electrical Engineering and Faculty of economics, University of Montenegro, project team member, 2007.
- 11 MONITORING OF SOUTH EAST EUROPE - TELECOMMUNICATIONS SERVICES SECTOR AND RELATED ASPECTS, Cullen International, advisor, 2005 - 2008.
- 12 STUDY OF WIMAX TECHNOLOGY USABILITY IN CRNOGORSKI TELEKOM NETWORK ENVIRONMENT, Faculty of Electrical Engineering, University of Montenegro, project team member, 2008.
- 13 RESEARCH OF SWITCHING FABRIC STRUCTURE IMPACT TO NETFPGA BASED PACKET SWITCHING PERFORMANCE, Montenegrin national ICT project funded by Montenegrin Ministry of education and science, Faculty of Electrical Engineering, University of Montenegro, project

- leader, 2008 - 2011.
- 14 PERFORMANCE ANALYSIS OF OFDM RELAY AND OFDM COOPERATIVE DIVERSITY SYSTEMS, Montenegrin national ICT project funded by Montenegrin Ministry of education and science, Faculty of Electrical Engineering, University of Montenegro, project member, 2008 - 2011.
 - 15 PROMOTING ICT COOPERATION OPPORTUNITIES AND POLICY DIALOGUE WITH THE WESTERN BALCAN COUNTRIES, EU FP7 funded Project, international consortium, Montenegro project team leader, January 2009.- July 2011.
 - 16 DATA TRAFFIC MONITORING AND ANALYSIS (TMA): theory, techniques, tools and applications for the future networks, COST, Management Committee member, May 2011 - March 2012
 - 17 DEVELOPMENT OF FUTURE INTERNET ROUTER ON PROGRAMMABLE HARDWARE AND OPEN SOURCE SOFTWARE PLATFORMS, Montenegrin national ICT project funded by Montenegrin Ministry of science, Faculty of Electrical Engineering, University of Montenegro, project leader, 2012-present.
 - 18 PERFORMANCE ANALYSIS OF CQ PACKET SWITCHES FROM THE POINT OF QOS GUARANTEES, bilateral scientific cooperation Bosnia and Herzegovina-Montenegro, project co-leader, 2012-2014.
 - 19 FOSTERING INNOVATION BASED RESEARCH FOR E-MONTENEGRO - FORE-MONT, EU FP7 funded project through REGPOT scheme, Project manager, 2013-2015.