

CURRICULUM VITAE

Assoc. Prof. Dr. Bujar Krasniqi

BASIC INFORMATION

University of Prishtina	Birthdate: 25 October 1981, Prishtina, Kosovo.
Faculty of Electrical and Computer Engineering	Gender: M
Address: Bregu i Diellit pn, Prishtina, Kosovo	Married and has two children
Phone: +383 44 891 856	E-mail: bujar.krasniqi@uni-pr.edu

EDUCATION

2011	Graduation of the doctoral studies in Faculty of Electrical Engineering and Information Technology at the Vienna University of Technology with Univ. Prof. Dr. Prof. Christoph Mecklenbräuker as supervisor. Thesis: <i>Partial Frequency Reuse for Long Term Evolution (LTE)</i>
2006	SUMMER UNIVERSITY OF KOBLENZ-LANDAU, KOBLENZ, GERMANY Course: <i>Programming of Mobile Application Systems</i>
2006	Graduation in the Faculty of Electrical Engineering with distinction. Average grade during studies: 9.25 out of 10. Thesis: <i>Analysis of Electromagnetic Wave Propagation in Microstrip Lines by using Sonnet Software</i> Supervisor: Prof. Dr. Luan Ahma
2004	SUMMER UNIVERSITY OF PRISTINA AND ACADEMIC TRAINING ASSOCIATION FROM NETHERLANDS, PRISTINA, KOSOVO Course: <i>Graphical Programming Environment- LabView</i> Lecturer: Prof. Shahin Berisha, University of Arizona, USA
2002	SUMMER UNIVERSITY OF PRISTINA AND ACADEMIC TRAINING ASSOCIATION FROM NETHERLANDS, PRISTINA, KOSOVO Course: <i>Computational Electromagnetics</i> Lecturer: Prof. Abdel Razik Sebak, Concordia University, Canada

PROFESSIONAL CAREER

January 2007 – September 2007	DCS ADMINISTRATOR Kosovo Energy Corporation, J.S.C, Kosovo B Power Plant, Kosovo
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September 2006	Visiting Researcher, Telecommunication Research Center Vienna, FTW, Vienna, Austria
April 2006 – December 2006	Cable TV engineer, R-GALLA, Prishtina, Kosovo

UNIVERSITY CAREER

Ongoing (Since Sep. 2018)	Associate professor at the Faculty of Electrical and Computer Engineering, University of Prishtina.
Nov. 2013- Sep. 2018	Assistant professor at the Faculty of Electrical and Computer Engineering, University of Prishtina.
Oct. 2012- Feb.2013	Visiting Lecturer at the Faculty of Electrical and Computer Engineering, University of Prishtina.
Sep. 2007 – Dec 2011	University Assistant at Faculty of Electrical Engineering and Information Technology, Vienna University of Technology Vienna University of Technology

TEACHING COURSES

Master Curriculum Status: Current	Telecommunication Regulation and Economics, Safety Management Systems, Satellite Networks, Planning and Optimization of Wireless Networks Faculty of Electrical and Computer Engineering, University of Prishtina.
Bachelor Curriculum Status: Current	Switching Systems, Data Transmission Faculty of Electrical and Computer Engineering, University of Prishtina.
Master Curriculum Status: Past	Mobile Communications Faculty of Electrical Engineering and Information Technology, Vienna University of Technology Vienna University of Technology, Vienna, Austria

SCIENTIFIC PUBLICATIONS

[24]	<p>Bujar Krasniqi and Blerim Rexha* <i>“Analysis of Macro-Femto Cellular Performance in LTE under Various Transmission Power and Scheduling Schemes “</i>, Journal of Communications, http://www.jocm.us/uploadfile/2018/0327/20180327051357211.pdf , JCM Vol. 13, No. 3, March 2018, DOI: 10.12720/jcm.13.3.119-123.</p> <p style="text-align: right;">(Indexed in Scopus)</p>
[23]	<p>Blerim Rexha, Halil Sadiku, Bujar Krasniqi* <i>“Using Record Level Encryption for Securing Information in Classified Information Systems”</i>, Journal of Natural and Engineering Sciences (NESciences) Volume 3, No. 2 pp.207-224,2018 http://www.nesciences.com/abstract_info.php?page=info&paperID=344 DOI: 10.28978/nesciences.424677</p> <p style="text-align: right;">(Index in DOAJ)</p>
[22]	<p>K. Sylejmani, Q. Hyseni, S. Yildirim Yayilgan, A. Qurdina, L. Mula & B. Krasniqi* <i>“Distribution of fiscal coupons via Genetic Algorithms and Greedy Randomized Adaptive Search Procedure”</i>, International Journal of Computer information Systems and Industrial Management (IJCISIM). ISSN 2150-7988 Volume 10(2018) pp.143-153 http://www.mirlabs.net/ijcisim/regular_papers_2018/IJCISIM_15.pdf</p> <p style="text-align: right;">(Indexed in Scopus)</p>
[21]	<p>Bahri Prebreza, Isuf Krasniqi & Bujar Krasniqi* <i>“Analysis of impact of atmospheric overvoltages in Kosovo Power System ”</i> <i>International Journal of Power and Energy Conversion-Inderscience</i> http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijpec</p> <p style="text-align: right;">(Indexed in Scopus)</p>
[20]	<p>Bahri Prebreza, Bujar Krasniqi* <i>“Kosovo’s Ground Flash Density and Protection of Transmission Lines of the Kosovo Power System from Atmospheric Discharges”</i>, International Journal of Recent Contributions from Engineering, Science & IT. 2018;6(1):88-98 https://doaj.org/article/022dad7b912a4d36928d6723dff8c137 DOI: 10.3991/ijes.v6i1.8434</p> <p style="text-align: right;">(Index in DOAJ)</p>
[19]	<p>Bujar Krasniqi, Blerim Rexha* and Betim Maloku <i>„Energy Efficiency Optimization by Spectral Efficiency Maximization in 5G Networks “</i>, International Journal of Electronics and Telecommunications, Accepted. Will be published 2018, Vol. 64 Issue 4, http://ijet.pl/index.php/ijet/index</p> <p style="text-align: right;">(Indexed in Scopus)</p>
[18]	<p>Q. Hyseni , S. Yildirim Yayilgan, B. Krasniqi, K. Sylejmani <i>“Solving the problem of distribution of fiscal coupons by using a Steady State Genetic Algorithm”</i>, Advances in Intelligent Systems and Computing, 2018,</p>

	<p>https://link.springer.com/chapter/10.1007/978-3-319-76354-5_5</p> <p>(Index in Scopus)</p>
[17]	<p>T. Berisha, G. Artner, B. Krasniqi, B. Duriqi, M. Mucaj, S. Berisha, P. Svoboda, C. Mecklenbräuker <i>"Measurement and Analysis of LTE Coverage for Vehicular Use Cases in Live Networks"</i>; IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (APWC), Verona, Italy (invited); 09-11-2017 - 09-15-2017; in: "Proceedings of the 2017 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (APWC)", IEEE Xplore, (2017), 260 - 263.</p>
[16]	<p>B. Maloku, B. Krasniqi, F. Ademaj <i>"Optimizing the Energy Efficiency for Future 5G Networks"</i>; IEEE International Conference on Systems, Signals and Image Processing (IWSSIP)", Bratislava (2016),</p> <p>(Indexed by Scopus)</p>
[15]	<p>F. Ademaj, B. Krasniqi <i>"Optimization of Assigned Power and Bandwidth in Macro-Femto Cellular System using Geometric Programming"</i>; ICCVE - International Conference on Connected Vehicles & Expo, Vienna; 11-03-2014 - 11-07-2014; in: "International Conference on Connected Vehicles & Expo (ICCV 2014)", (2014), 978-1-4799-6729-2/14; 641 - 646.</p> <p>(Indexed by Scopus)</p>
[14]	<p>A. Habib, B. Krasniqi, M. Rupp <i>"Convex optimization for receive antenna selection in multi-polarized MIMO transmissions"</i>; International Conference on Systems, Signals and Image Processing (IWSSIP), Vienna; 04-11-2012 - 04-13-2012; in: "19th International Conference on Systems, Signals and Image Processing (IWSSIP), 2012", B. Krasniqi (ed.); (2012), ISBN: 978-3-200-02328-4; Paper ID 1569526133, 7 pages.</p> <p>(Indexed by Scopus)</p>
[13]	<p>A. Habib, B. Krasniqi, M. Rupp <i>"Antenna Selection in Polarization Diverse MIMO Transmissions with Convex Optimization"</i>; 18th IEEE Symposium on Communications and Vehicular Technology, Ghent, Belgium; 11-22-2011 - 11-23-2011; in: "18th IEEE Symposium on Communications and Vehicular Technology", (2011), 5 pages.</p> <p>(Indexed by Scopus)</p>
[12]	<p>B. Krasniqi, C. Mecklenbräuker <i>"Efficiency of Partial Frequency Reuse in Power Used Depending on Users Selection for Cellular Networks"</i>; IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Toronto, Canada; 09-11-2011 - 09-14-2011; in: "22nd Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011)", (2011), ISBN: 978-1-4577-1347-7; 268 - 272.</p> <p>(Indexed by Scopus)</p>

[11]	<p>B. Krasniqi, C. Mecklenbräuer <i>"Maximization of the Minimum Rate by Geometric Programming for Multiple Users in Partial Frequency Reuse Cellular Networks"</i>; 74th IEEE Vehicular Technology Conference (VTC2011-Fall), San Francisco, USA; 09-05-2011 - 09-08-2011; in: "IEEE 74th Vehicular Technology Conference (VTC 2011-fall)", (2011), ISBN: 978-1-4244-8325-9; 5 pages</p> <p style="text-align: right;">(Indexed by Scopus)</p>
[10]	<p>B. Krasniqi, C. Mehlführer, C. Mecklenbräuer <i>"Bandwidth Re-allocation Depending on Large-Scale Path-Loss for Two Users in Partial Frequency Reuse Cellular Networks"</i>; Talk: 1st Scientific Meeting COST Action IC1004, Lund, Sweden; 06-20-2011 - 06-21-2011; in: "1st Scientific Meeting COST Action IC1004", (2011), 5 pages.</p>
[9]	<p>B. Krasniqi, M. Wolkerstorfer, C. Mehlführer, C. Mecklenbräuer <i>"Sum-Rate Maximization for Multiple Users in Partial Frequency Reuse Cellular Networks"</i>; IEEE Global Telecommunications Conference (GLOBECOM), Miami (FL), USA; 12-06-2010 - 12-10-2010; in: "6th IEEE Broadband Wireless Access Workshop co-located with IEEE GLOBECOM 2010", Miami (FL), USA (2010), ISBN: 978-1-4244-8863-6; 814 - 818.</p> <p style="text-align: right;">(Indexed by Scopus)</p>
[8]	<p>B. Krasniqi, M. Wolkerstorfer, C. Mehlführer, C. Mecklenbräuer <i>"Sum-Rate Maximization by Bandwidth Re-allocation for Two Users in Partial Frequency Reuse Cellular Networks"</i>; Asilomar Conference on Signals, Systems, and Computers, Pacific Grove (CA), USA; 11-07-2010 - 11-10-2010; in: "44th Asilomar Conference on Signals, Systems and Computers", (2010).</p>
[7]	<p>B. Krasniqi, M. Wolkerstorfer, C. Mehlführer, C. Mecklenbräuer <i>"Weighted Sum-Rate Maximization for Two Users in Partial Frequency Reuse Cellular Networks"</i>; 11th COST2100 Management Committee Meeting, Aalborg, Denmark; 06-02-2010 - 06-04-2010; in: "11th MCM COST2100, Aalborg, Denmark", (2010), 5 pages.</p>
[6]	<p>B. Krasniqi, M. Wrulich, C. Mecklenbräuer <i>"Network-Load Dependent Partial Frequency Reuse for LTE"</i>; 9th International Symposium on Communication and Information Technology 2009, Incheon, Korea; 09-28-2009 - 09-30-2009; in: "Proc. 9th International Symposium on Communication and Information Technology (ISCIT 2009)", (2009).</p> <p style="text-align: right;">(Indexed by Scopus)</p>
[5]	<p>B. Krasniqi, M. Wrulich, C. Mecklenbräuer: <i>"Network-Load Dependent Partial Frequency Reuse for LTE"</i>; 8th COST2100 Management Committee Meeting, Valencia, Spain; 05-18-2009 - 05-19-2009; in: "Proc. 8th COST2100 Management Committee Meeting", (2009), 6 pages.</p>
[4]	<p>G. Menghwar, B. Krasniqi, A. Shah, C. Mecklenbräuer <i>"Cooperative Space-Time Codes with Opportunistic Network Coding"</i>; Poster: IEEE Sarnoff Symposium, Princeton, New Jersey, USA; 03-30-2009 - 04-01-2009; https://publik.tuwien.ac.at/files/PubDat_176211.pdf</p>
[3]	<p>C. Mecklenbräuer, B. Krasniqi <i>"Power Efficiency of Partial Frequency Reuse for Cellular Networks"</i>; Talk: University of Southern California, Los Angeles (CA), USA (invited); 08-17-2011.</p>
[2]	<p>B. Krasniqi <i>"Partial Frequency Reuse for Long Term Evolution"</i>; Supervisor, Reviewer: C. Mecklenbräuer, E. G. Ström; E389, 2011; oral examination: 12-20-2011. PhD thesis</p>

	https://publik.tuwien.ac.at/files/PubDat_203678.pdf
[1]	A. Paier, B. Krasniqi, C. Mecklenbräuer <i>"Investigation of the Coexistence of Communication Systems in the 2.6 GHz Band in Cross Border Scenarios "</i> ; Report for Bundesministerium für Verkehr, Innovation und Technologie, Sektion III/Abteilung PT3; 2009; 77 pages.

SCIENTIFIC AND PROFESSIONAL PROJECTS	
March 2017- Ongoing Coordinator for the University of Prishtina	COST CA15104 IRACON Inclusive Radio Communication. This COST Action aims at scientific breakthroughs by introducing novel design and analysis methods for the 5th-generation (5G) and beyond-5G radio communication networks. Challenges include i) modelling the variety of radio channels that can be envisioned for future inclusive radio, ii) capacity, energy, mobility, latency, scalability at the physical layer and iii) network automation, moving nodes, cloud and virtualisation architectures at the network layer, as well as iv) experimental research addressing Over-the-Air testing, Internet of Things, localization and tracking and new radio access technologies COST-European Cooperation in Science and Technology supported by the EU Programme Horizon 2020 http://www.iracon.org/
November 2017- Ongoing Team Leader	HERAS Research Grant VC4HS-HERAS 2017 Performance analysis of V2I and V2V scenarios by means of simulations/measurements and increasing the safety of in-vehicle passengers, thus decreasing the number of crashes on roads https://www.heraskosovo.org/
2017-Ongoing Member	DiMTV Erasmus plus Curriculum Development project
2011-2012	COST IC1004 Cooperative Radio Communications for Green Smart Environments
2008-2011	COST Action 2100 - Pervasive Mobile & Ambient Wireless Communications
2008-2009	Cross Border Coordination in Frequency 2.6 GHz, Bundesministerium für Verkehr, Innovation und Technologie, Austria

BOOKS AND BOOK CHAPTER	
1.	M. Wolkerstorfer, T. Nordström, B. Krasniqi, M. Wrulich, C. Mecklenbräuer "OFDM/OFDMA Subcarrier Allocation, Chapter 6"; in: "Cross Layer Designs in WLAN Systems", N. Zorba, C. Skianis, C. Verikoukis (ed.); troubadour publishing ltd., Leicester (UK), 2011, (invited), ISBN: 978-1-8487-6227-5, 161 - 192.

PROFESSIONAL MEMBERSHIPS	
2014 -2015	IEEE Member
2008 -2012	IEEE Member

INTERNATIONAL COLLABORATION	
2007 - Ongoing	Vienna University of Technology, Vienna, Austria
2017 - Ongoing	Polytechnic University of Tirana, Tirana, Albania
2017 - Ongoing	Norwegian University of Science and Technology, Norway
2017 - Ongoing	University College Dublin, UK

AWARDS	
2004	"Distinguished Student Awards" by University of Prishtina for excellent average grade during studies (9.25 out of 10), Prishtina.
2009	VIENNA UNIVERSITY OF TECHNOLOGY, INSTITUTE OF COMMUNICATIONS AND RADIO FREQUENCY ENGINEERING, VIENNA, AUSTRIA cAward: Collaborative Research Award

ACTIVITIES AND INTERESTS	
	Football, Volleyball, Reading, Listening music

FOREIGN LANGUAGES	
Albanian	Mother tongue
English	Excellent

German	Intermediate
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Prishtina, October 2018