

Čedomir Stefanović

PERSONAL

Date of Birth: August 17th, 1976
Citizenship: Serbia
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EDUCATION

PhD, Telecommunications and Signal Processing, Dept. Power, Electronic and Communications Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia, 24/10/2011
Mr.-Ing., Electrical Engineering and Computer Science, Dept. Power, Electronic and Communications Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia, 9/6/2006, GPA 10/10
Dipl.-Ing., Electrical Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia, 9/11/2001, GPA 9.68/10 (top of my class)

WORK EXPERIENCE

Associate professor (permanent), June 2017, Dept. Electronic Systems, AAU, Denmark
Associate professor (temporary), January 2016 – May 2017, Dept. Electronic Systems, AAU, Denmark
Research assistant professor, January 2012 – December 2015, Dept. Electronic Systems, AAU, Denmark
Assistant professor (on leave), January 2012 – April 2016, Dept. Power, Electronic and Communications Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia
Teaching assistant, June 2004 – December 2011, Dept. Power, Electronic and Communications Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia
Researcher, January 2002 – June 2004, Dept. Power, Electronic and Communications Engineering, Faculty of Technical Sciences, University of Novi Sad, Serbia.

RESEARCH PROJECTS

- June 2017 – May 2019, Vertical service coordinator in H2020-ICT-2016-2 “E2E-aware Optimizations and advancements for the Network Edge of 5G New Radio (one5G)”, <https://5g-ppp.eu/one5g/>
- April 2014 – March 2017, Principal investigator on the individual postdoc project “Evolving wireless cellular systems for smart grid communications”, funded by the Danish Council for Independent Research, Grant No. DFF – 4005-00281. <http://www.wigrid.es.aau.dk>
- March 2014, Researcher on FP7 STREP "Sustainable and robust networking for smart electricity distribution (SUNSEED)", funded by the EU, Grant. No. 607774, <https://sunseed-fp7.eu>.
- January 2014 – present, Workpackage leader on the FP7-PEOPLE-2013-ITN project “Advanced Communications and Information processing in smart grid systems (ADVANTAGE)” funded by the EU, Grant. No. 607774, <http://www.fp7-advantage.eu>.
- January 2012 – March 2014, Researcher on the project "Dependable Wireless Bits for Machine-to-Machine (M2M) Communication", funded by the Danish Council for Independent Research, Grant No. 11-10515. <http://massm2m.es.aau.dk>

RESEARCH INTERESTS

Massive, ultra-reliable and low-latency communications for the Internet of Things. Design of high throughput and reliable multiple/random access mechanisms. Smartgrid and microgrid communications. Distributed algorithms for wireless sensor networks. Coding theory and applications.

SCIENTIFIC TRACK RECORD

22 refereed journal publications, > 50 refereed conference publications, 3 book chapters, 2 patent applications. Citation count: 899 (Scholar), 571 (Scopus); h-index: 18 (Scholar), 15 (Scopus).

PHD STUDENTS CO-SUPERVISION

German Corrales Madueno (obtained PhD in April 2015), Department of Electronic Systems, Aalborg University, awarded Teleprisen 2016 for his PhD thesis, now employed at Keysight, Denmark.
Marko Angjelichinoski, Oct. 2014 – present, Department of Electronic Systems, Aalborg University.

Pietro Danzi, Dec. 2015 – present, Department of Electronic Systems, Aalborg University.

PHD COMMITTEES MEMBERSHIP

PhD thesis reviewer for Mr. Marco Centenaro, University of Padova, Italy, November 2017.

Examiner on the qualifying exam of Mr. Mehmood Alam, Aarhus University, June 2017.

Opponent for the licentiate defense of Mr. Amin Azari, KTH, Stockholm, Sweden, December 2016.

PhD committee member for Dr. Mladen Kovacevic, University of Novi Sad, Serbia, October 2014.

INVITED TALKS

“Coded slotted ALOHA with reliability and latency guarantees”, IEEE Eurocon 2017, Ohrid, Macedonia, July 2017.

“Random access on graphs: Capture-or tree evaluation”, 2nd LNT & DLR Summer Workshop on Coding, TUM, Munich, July 2016

“Reengineering GSM cellular access for the support of machine-to-machine communications”, 1st Biosense Workshop, Biosense Institute, University of Novi Sad, Serbia, February 2015.

“Slotted ALOHA: Novel perspectives and advances”, Sarajevo Technology Forum, Bosnia and Herzegovina, May 2012

RESEARCH STAYS

German Aerospace Center (DLR), Wessling, Munich, February-March 2016; City University London, October 2011; University of Florence, October 2008; University of Stuttgart, October-December 2002.

AWARDS AND HONORS

Visiting scientist at the University of Padova, Italy, 2017.

Visiting professor at the University of Novi Sad, Serbia, 2016/17.

The best paper award: M. Angelichinoski, C. Stefanovic, P. Popovski, “Modemless Multiple Access Communications over Powerlines for DC Microgrid Control”, 9th Internat'l Workshop on Multiple Access Communications (MACOM), 2016

The paper: G. Corrales Madueno, C. Stefanovic, P. Popovski, “Reengineering GSM/GPRS Towards a Dedicated Network for Massive Smart Metering”, IEEE SmartGridComm 2014, was reviewed in the MIT technology review: www.technologyreview.com/view/532326/how-intelligent-machines-could-take-over-the-gsm-network.

Serbian Ministry of Science and Technologies Scholarship, January 2002 to June 2004.

DAAD (Deutscher Akademischer Austauschdienst) Scholarship, October to December 2002.

Faculty of technical sciences, University of Novi Sad, The student of the generation award, 2001.

Serbian Academy of Sciences and Arts Scholarship, 1999-2001.

Norwegian “For the Promising Generation” Scholarship, September 2000.

PROFFESIONAL SERVICE

TPC Workshop Chair: IEEE SmartGridComm 2018, to be held in Aalborg, Denmark.

TPC co-chairing: Session on Reliable and Low-latency Wireless Communications at ITG-VDE Workshop on Smart Antennas 2017 www.wsa2017.org; IEICE Information and Communication Technology Forum 2014 www.ictf2014.org

Associate editor for Special Section in IEICE Transactions on Communications “EU's FP7 ICT R&D Project Activities on Future Broadband Access Technologies in Conjunction with Main Topics of 2013 IEICE ICT Forum”, August 2014.

The Danish representative on COST IC 1104 "Random Network Coding and Designs over GF(q)", 2012-16

Serving as a reviewer for the following IEEE journals: Communication Letters, Transactions on Communications, Transactions on Information Theory, Transactions on Wireless Communications, Wireless Communication Letters, Sensors Journal...

Senior member of IEEE.