

Call for Papers



Josef Bárta Josef Bárta has received bachelor degree in mathematics from Charles University in Prague and has been accepted to continue his studies at the Royal Holloway University of London.

His research interests include symmetric crypt-analysis, lightweight cryptography, authentication protocols and smart cards. He is currently working as a software engineer and preparing for his studies at the Royal Holloway.



Michal Hojsík Michal Hojsík has received master degree in mathematics from Charles University in Prague and PhD in computer science from University of Bergen, Norway.

His primary research interests are block ciphers and stream ciphers and lately also lightweight cryptography and authentication schemes. He is currently working as a cryptographic engineer.

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Special Issue on Advanced wireless and mobile technologies and services

We have been witnessing a rapid development of wireless and mobile technologies and services during the past two decades. 4G mobile services are penetrating and mobile access is becoming an increasingly important way for accessing the Internet and it is expected to become the dominant one. The progress continues. 5G mobile systems are underway. Although many of the new technologies have already been incorporated in practical systems, there is still enough room for research and experimentation, in particular in the areas of cognitive radio, self-organizing networks, M2M communications, cross-layer optimization, just to name a few.

Topics of interest include but are not limited to:

- Cross-layer issues in wireless networks
- Cognitive radio for wireless communications
- QoS and resource allocation in wireless networks
- Mobile/wireless networks modeling and simulation
- Localization and positioning in wireless scenarios
- Topology control, self-organizing wireless networks
- Tools for modeling and analysis of wireless systems
- Personal wireless communications beyond 5G
- Software defined wireless networks and re-configurability
- M2M communications and the Internet of Things
- Storage, smart caching, and cloud for wireless
- Wireless social networks, participatory computing
- Molecular and nano-scale wireless communications
- New disruptive concepts for wireless systems

Selected papers from the European Wireless 2015 conference, <http://ew2015.european-wireless.org> will be invited to submit extended journal versions of their papers to this Special Issue, but high quality papers are welcome from open call too. Submissions will be peer reviewed according to the journal policy and international standards. Instructions for authors can be found on the journal website: www.infocommunications.hu.

Deadline for submission of manuscripts: June 30, 2015.

Tentative publication date: end of September, 2015.

Guest Editors:



SÁNDOR IMRE [M'93] is Professor and Head of Dept. of Networked Systems and Services at the Budapest University of Technology (BME). He obtained Dr. Univ. degree in in probability theory and statistics 1996, Ph.D. degree in 1999 and DSc degree from the Hungarian Academy of Sciences in 2007. He is Chairman of Telecommunication Scientific Committee of Hungarian Academy of Sciences. He participates on the Editorial Board of two journals: Infocommunications Journal and Hungarian Telecommunications. He was invited to join the Mobile Innovation Centre

as R&D director in 2005. His research interests include mobile and wireless systems, quantum computing and communications. Especially he has contributions on different wireless access technologies, mobility protocols, security and privacy, reconfigurable systems, quantum computing based algorithms and protocols.



HASSAN CHARAF received his PhD in 1998. He is an Associate Professor and fellow at the Department of Automation and Applied Informatics at the Budapest University of Technology and Economics. He is the head of the IT group. As an outstanding figure in teaching, research and development, he is in key positions at several organizations at the university. His research fields are: distributed systems, cloud computing, multiplatform application development methods, software modeling and data technologies.