

CALL FOR PAPERS

Special Issue on Smart Cities: Crowdsourcing and M2M communication for a connected society

The urbanization of cities is increasing, and nowadays about 54 percent of the world's population lives in cities. By the year of 2025, this number will be around 70 percent. In big cities, this will put a lot more pressure on streets and traffic control. There is a growing importance of Information and Communication Technologies in profiling the competitiveness of cities. There is extensive ongoing research in a wide range of enabling information and communication technologies, including cloud and network infrastructure, wireless and sensing technologies, mobile crowdsourcing, social networking, and big data analytics for smart cities. The next step for the smart city is the automated city – one that is predictive and responsive without human intervention. Such a city could avoid traffic congestion before it occurs and distribute resources, such as emergency services and maintenance, without time-consuming human decision-making. In this Special Issue we will catch up with the latest research and product developments, measurement methods, application scenarios and concept studies.

Our journal is calling for original and unpublished contributions to this important area that will be peer-reviewed. Selected papers will appear in a Special Issue to be published in September of 2015. Original and unpublished papers should be submitted by 15th of July, and by 30th of September in the form of pdf files in IEEE format according to the formatting instructions available at

http://www.ieee.org/publications_standards/publications/authors/authors_journals.html#sect2

Contributions are expected from the following areas:

- Mobile crowdsourcing for urban analytics
- Sensing and IoT for smart cities
- ICT in road vehicles: on-board and connected car services
- Safety, security, and privacy for smart cities
- Crisis and disaster management in a smart city
- Human mobility modeling and analytics
- Senseable city networks
- Mobile crowdsourcing applications
- M2M communications architectures and middleware

The paper submission deadline is 31 July, 2015.

Guest Editors:



ISTVÁN GÓDOR is a research fellow at Ericsson Research, Traffic Analysis and Network Performance Laboratory of Ericsson Hungary. He is a member of the IEEE and a member of public body of Hungarian Academy of Sciences. He received both his M.Sc. and Ph.D. degree in Electrical Engineering from Budapest University of Technology and Economics, Budapest, Hungary in 2000 and 2005, respectively. He has been serving a number of Technical Program Committees or as referee for international journals and conferences, such as IEEE Communications Magazine, IEEE ICC, IEEE VTC, IEEE PIMRC, IEEE WCNC and the like. He has been awarded the 2014 IEEE Communications Society Fred W. Ellersick Prize. His research interests include network design, combinatorial optimization, cross-layer optimization, self-organizing networks, energy efficiency, traffic analysis and modeling.



VILMOS SIMON received his PhD from the Budapest University of Technology and Economics (BME) in 2009 and is currently an associate professor at the Department of Networked Systems and Services and Head of the Multimedia Networks and Services Laboratory. His research interests include self-organizing mobile networks, mobile crowdsensing, Internet of Things, spatial computing. He participated in several research projects including the EU ICST-FET FP6 BIONETS where he also acted as a WP leader. He published more than 40 papers in international journals and conferences, and acts as a reviewer or organizer for numerous scientific conferences. He serves as a president of the Telecommunications Section in the Scientific Association for Infocommunications Hungary.



MARIO KUŠEK is an Associate Professor at the University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia. He holds an the Ph.D. degree (2005) in electrical engineering, major in telecommunications and informatics, from the University of Zagreb. His main research interests include distributed systems, software agents in next generation networks, and converged services on mobile terminals. He participated in two scientific projects financed by the Ministry of Science, Education and Sports of the Republic of Croatia, two EU COST actions, one bilateral project with The Telecommunications Research Center Vienna (FTW) and he led research projects funded by companies Ericsson Nikola Tesla, Kate-Kom and Agrokor. He has coauthored over 70 scientific journal and conference papers. Prof. Kušek is a member of IEEE, currently also serving as a the Chair of the IEEE ComSoc Croatia Chapter, the KES International and the European Telecommunications Standards Institute (ETSI). He published more than 70 papers in journals, conference proceedings and books in the area of distributed systems, multi-agent systems, self-organized systems and machine-to-machine (M2M) Communications.