# Call for Papers

## Vehicular Communications Symposium

### *The 8th International Wireless Communications & Mobile Computing Conference (IWCMC 2012)*

Cyprus, August 27-31, 2012

**Symposium Chair:**
Sherman Shen (University of Waterloo, Canada, xshen@bbcr.uwaterloo.ca)

**Symposium Co-chairs:**
Hai Jiang (University of Alberta, Canada, hai.jiang@ece.ualberta.ca)
Ping Wang (Nanyang Technological University, Singapore, wangping@ntu.edu.sg)
Dongmei Zhao (McMaster University, Canada, dzhao@mail.ece.mcmaster.ca)

**Scope:**
Recent advances in vehicular communications and computing technologies have enabled various types of vehicular communications and networks, intra-vehicle, vehicle-to-infrastructure (V2I), vehicle-to-roadside (V2R), and vehicle-to-vehicle (V2V) or mobile-to-mobile (M2M) communications. This results in a plethora of new applications for improving traffic safety, protecting environment by reducing traffic congestion and fuel consumption, and providing mobile infotainment services. There has been a strong interest in developing various techniques and important applications in vehicular communications, which are envisioned to revolutionize the driving experiences and traffic control systems. The objective of this symposium is to bring together researchers and engineers from both academia and industry worldwide to present cutting-edge research achievements covering all aspects of vehicular communication technologies regarding research, developments, standardization, and applications of current and future vehicular communications and networks. Prospective authors are invited to submit original contributions on all aspects in vehicular communications and networks, including, but not limited to the following topics of interest.

- Antenna technologies
- Physical layer designs
- Channel measurement and modelling
- Coverage control and analysis
- Network architecture
- Mobility management and topology control
- Mobility and vehicle traffic models
- Intelligent transportation systems
- Vehicular sensor networks
- Vehicular social networks
- Interoperability and Gateways to Internet or 3G networks
- Medium access control
- Radio resource management and QoS support

- Data management and processing
- Cooperative vehicular communications
- Intra-vehicle, V2I, V2R, and V2V communication protocols
- Teletraffic congestion control, multicast, mobility management, etc.
- Cross-layer design and optimization for vehicular communication networks
- Security and privacy technologies
- Transportation safety and non-safety applications and services
- Road traffic monitoring and control
- Vehicle tracking
- Simulation framework and performance evaluation techniques
- Real-time experimental systems and testbeds for vehicular communications
- Standardization activity

**Submission Guidelines:**
Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link http://edas.info/newPaper.php?c=11197 for possible publication in the IWCMC 2012 Conference Proceedings, which will be included in IEEE Xplorer. Selected papers will be further considered for possible publication in three special issues in the following Journals:
1. Wiley Journal of Wireless Communications and Mobile Computing (WCMC)
   http://www3.interscience.wiley.com/journal/76507157/home
2. The International Journal of Sensor Networks (IJSNet)
   http://www.inderscience.com/browse/index.php?journalCODE=ijsnet
3. The International Journal of Autonomous and Adaptive Communications Systems
   (IJAACS): www.inderscience.com/ijaacs
4. KSII Transactions on Internet and Information Systems: www.itiis.org
5. Peer-to-Peer Net. & Applications, A springer Journal
http://www.springer.com/engineering/signals/journal/12083

**Note:** There will be best paper award, best Symposium award and best Workshop award.

**Important Dates:**
Submission: Jan. 20, 2012
Acceptance notification: March 25, 2012
Camera Ready: April 30, 2012
Registration: April 30, 2012

**TPC Members**:
Sachin Kumar Agrawal, Samsung Electronics, India
Onur Altintas, Toyota Info Technology Center, Japan
Rafael Asorey-Cacheda, Universidad de Vigo, Spain
Stefan Aust, NEC Communication Systems, Ltd., Japan
Abdelmalik Bachir, Imperial College London, United Kingdom
André-Luc Beylot, IRIT Toulouse, France
Igor Bisio, University of Genoa, Italy
Luciano Bononi, University of Bologna, Italy

Roksana Boreli, National ICT Australia, Australia
Lin Cai, Princeton University, USA
Rong Chai, Chongqing University of Posts and Telecommunications, China
Periklis Chatzimisois, Alexander TEI of Thessaloniki
Cherita Corbett, Johns Hopkins University, USA
Tomaso De Cola, German Aerospace Center, Germany
Luca Delgrossi, Mercedes-Benz Research and Development North America, USA
Stefan Dietzel, University of Twente, Netherland
Marc Emmelmann, Fraunhofer FOKUS, Germany
Bassam Farroha, US Department of Defense
Gianluigi Ferrari, University of Parma, Italy
Fethi Filali, QU Wireless Innovations Center
Mario Freire, University of Beira Interior, Portugal
Thierry Gayraud, Toulouse University of Science, LAAS-CNRS, France
Francisco Gonzalez-Castano, Universidad de Vigo
Yuming Jiang, Norwegian University of Science and Technology
Kun-chan Lan, National Cheng Kung University, Taiwan
Long Le, University of Quebec, Canada
Yunxin (Jeff) Li, NICTA, Australia
Qilian Liang, University of Texas at Arlington, USA
Antonella Molinaro, University "Mediterranea" of Reggio Calabria, Italy
Padma Mundur, University of Maryland, USA
Edith Ngai, Uppsala University, Sweden
Dusit Niyato, Nanyang Technological University, Singapore
Fusun Ozguner, The Ohio State University, USA
Andrzej Pach, AGH University of Science and Technology, Poland
Ravi Prakash, University of Texas at Dallas, USA
Victor Rangel, National University of Mexico, Mexico
Gianluca Reali, University of Perugia, Italy
Sandro Scalise, DLR (German Aerospace Center), Germany
Björn Scheuermann, University of Würzburg, Germany
Gonzalo Seco-Granados, Universitat Autonoma de Barcelona, Spain
Sidi-Mohammed Senouci, University of Bourgogne – ISAT Nevers
Wei Song, University of New Brunswick, Canada
Andrej Stefanov, IBU Skopje, Macedonia
Petia Todorova, Fraunhofer-FOKUS, Germany
Ljiljana Trajkovic, Simon Fraser University, Canada
Maria-Angeles Vázquez-Castro, Universidad Autónoma de Barcelona, Spain
Wenjing Wang, University of Central Florida, USA
Weidong Xiang, University of Michigan, USA
Rongtao Xu, Beijing Jiaotong University, China
Homayoun Yousefi'zadeh, University of California, Irvine, USA
Bo Yu, General Motors Global Research, USA
Seyed (Reza) Zekavat, Michigan Technological University, USA
Baoxian Zhang, Graduate University of the Chinese Academy of Sciences, China
Gang Zhu, Beijing Jiaotong University, China