

Call for papers

Mobile Computing and Vehicle Communications (MCVC) Symposium ICNC 2016

Kauai, Hawaii, Feb. 15-18, 2016

<http://www.conf-icnc.org/>

Symposium Co-chairs

Xiang Cheng, Peking University, China, Email: xiangcheng@pku.edu.cn

Dusit Niyato, Nanyang Technological University (NTU), Singapore, Email: dniyato@ntu.edu.sg

Scope

Mobile computing is more ubiquitous today when smart phones and other consumer electronic devices become the primary access devices to the Internet. Mobile cloud computing further drives the integrations of personal computing, distributed computing, cloud computing, and wireless technologies. One of the challenging areas is the vehicle communications and the enabled applications. The continuously increasing interactions between communications, computing and sensing devices in vehicle systems have introduced many interesting yet difficult issues in diverse research areas including computing platform, connectivity, routing and broadcast, channel and link access, collaborations, capacity planning, scheduling, security and privacy preservation, and so on.

This symposium is devoted to cover original contributions in the design, development, and analysis of key technique issues related to architectures, platforms, algorithms/protocols and applications in the joint areas of mobile computing and vehicle communications. Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. Topics of interest include, but are not limited to:

- Novel applications, services, and mobile cloud computing supporting the mobile environments
- Cloud-assisted vehicle communications
- Mobile vehicular social networks
- Architecture of mobile networks and host
- Information systems and applications for intelligent transportation system
- Channel measurement and modeling for V2V or V2I channels
- V2V or V2I protocols in vehicular networks and communications
- Vehicle ad hoc networks and Vehicle sensor networks
- 5G enabling V2V or V2I systems
- Wireless channel and media access control protocols
- Multi-channel organization and operation
- Wireless access virtualization and resource management in mobile environments
- Performance modeling and characterization in mobile environments
- Mobility management, analysis and vehicle traffic analysis
- Quality of service for mobile communication systems and interactive applications
- Economics of vehicular communications and intelligent transportation system
- System evaluation methodologies and testbed experiments and measurements
- Security, scalability and reliability in mobile communication system
- Data management and analysis in mobile environments
- Inter-networking between mobile communication systems
- Application and service in wireless sensor networks

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/author.htm>

Direct paper submission weblink of this symposium can be found at <http://www.conf-icnc.org/2016/cfp.htm>

Paper Submission: 5 July 2015

Acceptance Notification: 20 Sept. 2015

Camera-ready Paper: 20 Oct. 2015

Conference: 15-18 February 2016

Short biography of co-chairs

Xiang Cheng received the PhD degree from Heriot-Watt University and the University of Edinburgh, Edinburgh, U.K., in 2009, where he received the Postgraduate Research Thesis Prize. He has been with Peking University, Beijing, China, since 2010, first as a Lecturer, and then as an Associate Professor since 2012. His current research interests include mobile propagation channel modeling and simulation, next generation mobile cellular systems, intelligent transport systems, and hardware prototype development and practical experiments.

Dusit Niyato is currently an Associate Professor in the School of Computer Engineering, at the Nanyang Technological University, Singapore. He received B.E. from King Mongkuk's Institute of Technology Ladkrabang (KMUTL) in 1999. He received Ph.D. in Electrical and Computer Engineering from the University of Manitoba, Canada in 2008. His research interests are in the area of the optimization of wireless communication and mobile cloud computing, smart grid systems, and green radio communications.