

Call for Papers

Mobile Computing and Vehicle Communications Symposium, ICNC 2014

Honolulu, Hawaii, USA, Feb. 3-6, 2014

<http://www.conf-icnc.org/2014>

Symposium Co-Chairs

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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 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 novel techniques in architectures, platforms, 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 Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited.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 in vehicular environments
- System architectures, platforms, and test beds
- Cloud-assisted vehicle communications
- Mobile vehicular social networks
- Networking to reduce energy consumption
- Information systems and applications for intelligent transportation system
- V2V or V2I protocols in vehicular networks and communications
- Vehicle ad hoc networks and Vehicle sensor networks
- Wireless channel and media access control protocols
- Multi-channel organization and operation
- Wireless access virtualization and resource management
- Service integration and inter-networking
- Practical solutions for security and privacy issues
- Analysis and solutions addressing scalability and reliability
- Mobility analysis and vehicle traffic analysis
- Implementation of mobile IP and migration of IPv6
- Quality of service for mobile or in-vehicle media and interactive applications
- Economics of vehicular communications and intelligent transportation system
- System evaluation methodologies and testbed experiments and measurements

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2014/author.htm>

Direct paper submission weblink of this symposium can be found at <http://www.conf-icnc.org/2014/cfp.htm>

Short Biography of Co-Chairs

Xiaoyan Hong

Xiaoyan Hong received Bachelor and Master Degrees from Computer Science and Technology Department at Zhejiang University, P.R. China. She received her Ph.D. degree in Computer Science from the University of California at Los Angeles. Currently, she is an associate professor in the Department of Computer Science at the University of Alabama and directs the Wireless, Mobile and Networking Research Lab (WiMaN). Her research interests are in delay tolerant networks, vehicle ad hoc networks, information system for intelligent transportation systems, and network virtualization. In particular, her interests include routing protocols, mobility, network scalability, privacy, secure network protocols, and vulnerability analysis. Dr. Hong's research is supported by NSF, BBN/NSF contract and Research Grants Committee of University of Alabama.

YAN Wei

YAN Wei received the B.Tech. degree in Computer Science and Engineering from National University of Defense Technology, China, in 1982, the M. Tech. degree in Computer Science and Engineering from National University of Defense Technology, China, in 1990. She joined the Department of Computer Science and Engineering at Peking University as Associate Professor in November 1996. She has held visiting positions at the University of Science and Technology, Hong Kong, China. Her research interests include mobile ad hoc networks, wireless mesh networks and vehicular ad hoc networks. She currently focuses on VANET architecture, data dissemination, multi-channel, mobility management and VANET novel applications. Ms. YAN's research is supported by NSFC, the National Key Basic Research Program of China.