



IEEE Vehicular Networks & Applications Workshop (IEEE Vehi-Mobi 2008)

Co-located with IEEE International Conference on Communications (ICC 2008)
19-23 May 2008, Beijing, China

Executive Committee

General Chairs

Prof. C.K. Toh
University of Hong Kong

Dr. Russell Hsing
Telcordia Technologies

TPC Chairs

Prof. Daniel Wong
Malaysia University of
Science and Technology

Prof. Subir Biswas
Michigan State University
USA

Publicity Chair

Prof. D.K. Kim
KNU Korea

Important Dates:

Paper Submission Deadline:
December 20, 2007

Notification of Acceptance:
January 28, 2008

Camera-Ready Submissions:
February 28, 2008

Paper Submission

Authors are invited to submit original manuscripts on EDAS, which should be written in English and be no more than 7 pages in IEEE double-column format. Submission implies the willingness of at least one of the authors to register and present the paper.

Aims and Scope

Vehicular communication networks have recently been gaining significant popularity and importance, primarily to cater to the emerging services involving road safety and a need for data-on-move. New technical challenges have evolved that demand research and investigations. In China alone, the recent growth of the automobile industry and the associated services for transporting people and goods safely and efficiently would necessitate new research on vehicular networking. Car industries are of great importance in Asia and the rest of the world. Car makers from Japan, China, Korea, and India will be key players in car telematics. Much research remain to be done to bring alive the vision of future intelligent inter-vehicular applications, which will be supported by Car-to-Car communications and networks.

This workshop serves as a forum and intends to bring together researchers and engineers from both academia and industry to exchange ideas, share research experiences, and report original work in all aspects of vehicular communications, sensors, networks, computing and applications.

List of Topics

Technical research papers are solicited in the following areas:

- ITS car-2-car networks
- ITS car-2-roadside communications
- MAC, routing, QoS, addressing, multicast, TCP protocols
- Traffic Congestion Control and Cooperative VANETs
- New application scenarios of ITS vehicular networks
- Mobility and handoff issues
- Sensors & Data Collection
- Content Distribution
- C2C communications
- Intra-car communications
- Traffic and flow control issues
- Info Dissemination; Data organization
- Security issues, architectures and solutions
- Privacy issues and solutions
- Data replication protocols in network partitions
- Hybrid Technologies (DSRC, WiMAX, WiFi, 3G/4G, etc.)
- Accident Prevention Algorithms via VANETs
- Internetworking and 802.11p WAVE ; 802.11s MESH; DSRC
- VANET Implementation/deployment status
- Network Management for C2C
- Power and energy management
- ITS / VANET Architectures

Workshop Web Page

<http://vehi-mobi.must.edu.my>