

Marriott Hotel, Calgary 21st - 22nd September 2008

Wireless vehicular communications has been identified as a key technology for increasing road safety and transport efficiency, and providing Internet access on the move to ensure wireless ubiquitous connectivity. The potential of this technology has

been acknowledged with the establishment of ambitious research programs worldwide, such as the European eSafety initiative, the US programs derived from the Intelligent Vehicle Initiative and the Japanese InternetITS and AHS programs.

The IEEE Vehicular Technology Society (VTS) is uniquely placed through its areas of interest (Mobile Radio, Transportation Systems and Automotive Electronics) to bring together all technical aspects needed to make wireless vehicular communications a reality. The IEEE International Symposium on Wireless Vehicular Communications (WiVeC)

covers all vehicular wireless communications aspects of Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I) and Vehicle-to-Person (V2P) communications, including implications on transport efficiency and safety, implications on automotive electronics, liability issues, standardizations efforts and spectrum assignment.

- RF technologies, antenna design, physical layer and propagation models.
- Radio resource and interference management.
- Spectrum assignment and EMC regulations.
- Architecture, networking protocols (including ad-hoc, routing, data dissemination, etc) and their evaluation.
- QoS and cross-layer optimization design.
- Communications systems and technologies.
- Testbeds and simulation platforms.
- Interworking with sensor network technologies.
- In-car electronics and embedded integration.

- Roadside infrastructure.
- Mobility management, mobility and vehicle traffic models.
- Digital maps and location technologies.
- Decision and control issues.
- Human-Machine Interface.
- Applications (Ecall, toll collection, traffic information, wireless diagnosis etc.).
- Security, liability and privacy.
- Standards development, business models, policies
- Assessment of impact on transport efficiency and safety.
- Scalability issues in metropolitan vehicular networks.

The First IEEE WiVeC was held in Baltimore 30th September - 1st October 2007, co-located with VTC2007-Fall. It has established itself as one of the largest in the area. The conference presented 28 papers from the 72 papers were submitted, and 166 delegates enjoyed two

opening plenaries from leading industry experts, as well as two panel sessions on International Developments and on Standards, as well as a demo session. Full details of the 2007 event, as well as presentations for the plenary and panel sessions, can be found on the WiVeC web site at www.ieee-wivec.org

Authors are encouraged to submit full length papers (maximum 5 pages) following the submission guidelines at www.ieee-wivec.org All accepted papers will be published on the IEEE Xplore database. Selected papers will also be invited to be revised for publication in the IEEE Vehicular Technology Magazine (www.ieeevtm.org).

The second IEEE WiVeC symposium will be collocated with the 68th IEEE Vehicular Technology Conference and will take place at the Marriott Hotel in Calgary on the 21st and 22nd of September 2008. Combined registrations packages will be offered to attendees to WiVeC and VTC conferences. See www.vtc2008fall.org for further details of the VTC conference

Full paper Submission: 19 May 2008
Acceptance Notification: 7 June 2008
Camera-Ready Papers: 14 June 2008

www.ieee-wivec.org