

Renaissance Harborplace Hotel, Baltimore 30th September - 1st October 2007

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)

will cover 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.

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. A selection of the best WiVeC papers will be published in a special issue of the IEEE Vehicular Technology Magazine (www.ieeevtm.org).

The first IEEE WiVeC symposium will be collocated with the 66th IEEE Vehicular Technology Conference and will take place at the Renaissance Harborplace Hotel in Baltimore on the 30th September and 1st October 2007. Combined registrations packages will be offered to attendees to WiVeC and VTC conferences. See www.vtc2007fall.org for further details.

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Javier Gozalvez, University Miguel Hernandez, Spain

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Full paper Submission: 15 April 2007
Acceptance Notification: 22 May 2007
Camera-ready papers: 8 June 2007

www.ieee-wivec.org