The Ninth ACM International Workshop on VehiculAr Inter-NETworking, Systems, and Applications

ACM VANET 2012

June 25, 2012, Low Wood Bay, Lake District, United Kingdom
http://www.uwicore.umh.es/vanet2012/
Held in conjunction with ACM MobiSys 2012

Scope

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. Based on short- and medium-range communication like DSRC or Wi-Fi as well as on long-range cellular systems, vehicular networking will enable a wide range of applications, including safety applications (e.g., collision avoidance and safety warnings), traffic applications (e.g. real-time traffic congestion and routing information), information sharing applications (e.g. media and content sharing), and other applications and systems involving communication to and between vehicles. The ACM VANET 2012 workshop intends to cover a widening range of research topics which are related to vehicular networking technologies, applications, services and systems.

The great potential of this technology has been acknowledged with the establishment of ambitious research programs on vehicular communication systems worldwide, such the current InteractIVe and eCoMOVE projects within the European eSafety framework**,** various US programs derived from the Connected Vehicle projects and the Japanese Smartway and Advanced Safety Vehicle programs**.** Vehicular communication and networking also present a very active field of standardization activities worldwide, like IEEE (802.11p and 1609.x) and SAE DSRC in the US, ISO TC204, ETSI TC ITS and CEN WG278 in Europe and ARIB T-75 in Japan, as well as field trials like the Safety Pilot Model Deployment in the US, simTD in Germany and SCORE@F in France.

The Ninth ACM International Workshop on VehiculAr Inter-NETworking, Systems, and Applications (ACM VANET 2012) will cover all vehicular wireless networking aspects using a variety of wireless communication techniques (from short-range DSRC/WiFi to long-range cellular communication). The topics not only cover the design and implementation of vehicular communication systems and applications, but also include the potential implications on transport efficiency and safety, systems issues, services, applications, liability issues, standardization efforts and spectrum assignment.

Areas of interest include, but are not limited to:

- Channel modeling, modulation and coding
- Congestion control and scalability issues
- Medium access control protocols
- Multi-channel organization and operation
- Communication protocol design and network management
- System architecture and design
- Safety and non-safety applications
- Vehicle-to-vehicle/roadside/Internet communication
- Simulation frameworks
- Field operational testing
- Security issues and countermeasures, and privacy issues
- Telematics applications
- Communication related to electrical vehicle charging
- Networking to reduce energy consumption
- Wireless in-car networks
- Systems that reduce driver distraction
- DSRC systems for vulnerable road users (pedestrians, road workers, bicyclists, etc.)

Submission Instructions:

All paper submissions will be handled electronically. Papers must be in PDF format, no longer than 10 pages (single- or double-column), use the ACM SIG Proceedings Templates (http://www.acm.org/sigs/publications/proceedings-templates) and fit properly on US Letter-sized paper (8.5 inch x 11 inch) with reasonable margins. Submitted papers will be judged based on their quality through a double-blind review process, where the identities of the authors are withheld from the reviewers. Authors should omit self-identifying language, e.g. concerning prior work.

We also strongly encourage the submission of **position papers** (with a maximum length of 6 pages) **and practice papers** (with a maximum length of 10 pages) (following the ACM Proceedings Templates above). Position papers will generally include preliminary results and are expected to describe highly original ideas, discuss new directions, or generate insightful discussion at the workshop. Position papers can be a good way to obtain early feedback before submitting complete work to highly selective venues such as ACM MobiSys and ACM MobiCom. On the other hand, practice papers will report innovative system design, make significant observations or provide relevant conclusions derived from real-world empirical experiences or finalized/ing industrial research/proof-of-concept projects.

Important Dates:

- Submission deadline: ~~March 9, 2012~~ March 16, 2012. Due to the change of venue to MobiSys, the Committee has decided to extend the submission deadline. Authors are requested to register their paper by March 9, although they will be able to make their final submission until March 16
- Notification of acceptance: ~~April 16, 2012~~ April 23, 2012
- Camera-ready version due: ~~May 1, 2012~~ May 9, 2012