

Call for Papers for VANET 2011
The Eighth ACM International Workshop on Vehicular Inter-NETworking
September 23, 2011, Las Vegas, NV, USA
<http://husky.crhc.illinois.edu/vanet2011/>
Held in conjunction with ACM MobiCom 2011

Important Dates:

Paper Registration Deadline: April 22nd

Paper Submission Deadline: ~~April 22nd~~ April 29th

Notification of Acceptance: June 24th

Camera-Ready Deadline: July 14th

Scope

Wireless vehicular communications has been identified as a key technology for increasing road safety, transport efficiency, and providing Internet access on the move to ensure wireless ubiquitous connectivity. Based on short- and medium-range communication like DSRC or WiFi as well as long-range cellular systems, vehicular networking will enable vehicular safety applications (including collision avoidance and safety warnings), efficiency applications (e.g., real-time traffic congestion and routing information), and other commercial or public authority applications (high-speed tolling, mobile infotainment, and many others). The ACM VANET 2011 workshop intends to cover a widening range of research topics, which are related to vehicular networking applications, services, and systems.

Beyond systems that are integrated into vehicles, the workshop scope includes, e.g., vehicle- or traffic-related smartphone applications.

The great potential of this technology has been acknowledged with the establishment of ambitious research programs on vehicular communication systems worldwide, such as the current InteractIVe and eCoMOVE projects within the European eSafety framework, various US programs derived from USDOT projects, and the Japanese Smartway and Advanced Safety Vehicle programs. Furthermore, vehicular communication and networking also present a very active field of standardization activities worldwide, like ISO TC204, IEEE (802.11p and 1609.x), and SAE J2735 in the US, ETSI TC ITS and CEN WG278 in Europe and ARIB T-75 in Japan, as well as field trials like the large-scale Safety Pilot in the US, simTD in Germany and SCORE-F in France.

The Eighth ACM International Workshop on Vehicular Inter-NETworking (ACM VANET 2011) 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, liability issues, standardizations 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
- 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
- Electric vehicle applications
- Networking to reduce energy consumption
- Wireless in-car networks
- Systems that reduce driver distraction
- “Reduced functionalities” DSRC systems for pedestrians, road workers, etc.
- Vehicle or traffic-related smartphone apps

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 must 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.

We also strongly encourage the submission of **position papers and practice papers** with a maximum length of 6 pages (following the ACM SIG 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 MobiCom. On the other hand, practice papers will provide relevant conclusions derived from real-world empirical experiences, or finalized or finalizing industrial research and proof-of-concept projects.