

ANNOUNCEMENT and CALL FOR PAPERS



VANET 2007

The Fourth ACM International Workshop on Vehicular Ad Hoc Networks



In conjunction with ACM MobiCom 2007 • September 10, 2007 • Montréal, QC, Canada

Sponsored by ACM SIGMOBILE

<http://www.sigmobile.org/workshops/vanet2007/>

Important Dates:

Paper Submission Deadline:
May 14, 2007, 11:59 p.m. GMT

Notification of Acceptance:
June 18, 2007

Camera-Ready Deadline:
July 16, 2007

General Co-Chairs:

Wieland Holfelder, DaimlerChrysler REDNA
Paolo Santi, Italian Natl. Research Council

Technical Program Co-Chairs:

Yih-Chun Hu, University of Illinois at Urbana-Champaign
Jean-Pierre Hubaux, EPFL

Publicity and Web-Chair:

Ken Laberteaux, Toyota Technical Center

Technical Program Committee (partial list):

Victor Bahl, Microsoft Research
Fan Bai, General Motors
Levente Buttyan, Budapest University of Technology and Economics
Tracy Camp, Colorado School of Mines
Eylem Ekici, Ohio State University
Tamer ElBatt, San Diego Research Center
Andreas Festag, NEC Europe Ltd
Hannes Hartenstein, University of Karlsruhe
Wieland Holfelder, DaimlerChrysler REDNA
Yih-Chun Hu, University of Illinois at Urbana-Champaign
Jean-Pierre Hubaux, EPFL
Markus Jakobsson, Indiana University
Daniel Jiang, DaimlerChrysler REDNA
Frank Kargl, Ulm University
Timo Kosch, BMW
Ken Laberteaux, Toyota Technical Center
Martin Mauve, Heinrich Heine University Düsseldorf
Peter Nelson, University of Illinois, Chicago
Christof Paar, Ruhr-University Bochum
Panos Papadimitratos, EPFL
Adrian Perrig, Carnegie Mellon University
Maxim Raya, EPFL
Paolo Santi, CNR
Rajeev Shorey, General Motors Research
Pravin Varaiya, University of California at Berkeley

The goal of this workshop is to present and discuss recent advances in the development of wireless vehicular ad hoc networking (VANET) technologies. Based on short- to medium-range communication systems (vehicle-to-vehicle and vehicle-to-roadside), vehicular ad hoc networks will enable vehicular safety applications (including collision and other safety warnings) as well as non-safety applications (like real-time traffic congestion and routing information, high-speed tolling, mobile infotainment, and many others).

The creation of high-performance, highly reliable, highly scalable, and secure VANET technologies presents an extraordinary challenge for the wireless research community. A high degree of communication reliability is needed under unfavorable conditions. Clearly, the specificity of vehicular ad hoc networks in terms of mobility behavior and applications scenarios and requirements makes VANET research an exciting and demanding application- and purpose-driven sub-discipline of wireless networking.

Following the successes of VANET 2004 held in Philadelphia, VANET 2005 held in Cologne, Germany, and VANET 2006 in Los Angeles, CA, the Fourth ACM International Workshop on Vehicular Ad Hoc Networks (VANET) will be held in Montréal, QC, Canada September 14, 2007, in conjunction with MobiCom 2007.

Authors are invited to submit papers presenting new research related to the theory or practice of vehicular ad hoc networks (VANET). All submissions must describe original research, not published or currently under review for another workshop, conference, or journal. Areas of interest include, but are not limited to:

- Safety and non-safety applications
- Roadside-to-vehicle and vehicle-to-vehicle communication
- Communication protocol design
- Channel modeling
- Modulation and coding
- Power control and scalability issues
- Multi-channel organization and operation
- Security issues and countermeasures
- Privacy issues
- Network management
- Simulation frameworks & real-world testbeds

VANET present a highly active field of research, development, standardization and field trials. Throughout the world, there are many national/international projects in government, industry, and academia devoted to VANET. These include the consortia like Vehicle Safety Consortium (US), Car-2-Car Communication Consortium (Europe) and Advanced Safety Vehicle Program (Japan), standardization efforts like IEEE 802.11p (WAVE), and field trials like the large-scale Vehicle Infrastructure Integration Program (VII) in the US.

Submission Instructions

Due to a tight review and publication schedule, the deadline for submissions is firm. All paper submissions will be handled electronically. Papers must be in PDF format, no longer than 10 pages (single- or double-column), in font no smaller than 11 points, 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. Detailed instructions for paper submission will be posted on the VANET 2007 web page at: <http://www.sigmobile.org/workshops/vanet2007/>.