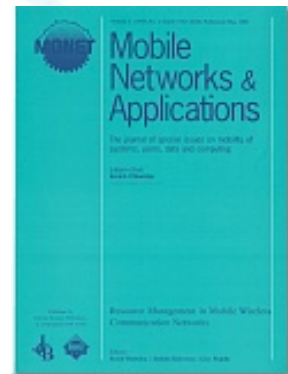# Mobile Networks and Applications (MONET)
Special Issue on Advances and Applications in Vehicular Ad Hoc Networks

   Vehicular ad hoc networks (VANETs) using all kinds of wireless technologies has recently received considerable attention. The goal of this special issue is to explore the development of wireless vehicular ad hoc network technologies about communication, networking, and applications. A good communication protocol design can achieve highly reliable, highly scalable, and high performance. In aspect of networking, there are many challenges that how to offer quality of service, build high performance routing, provide mobility management, and create secure vehicular ad hoc networks. VANET safety applications include safety warnings and collision avoidance. This is imperious to improve the non-safety applications and reduce the occurrence of collision. VANETs 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 VANETs, for example consortia like VSC (US), C2CCC (Europe) and InternetITS (Japan), standardization efforts like IEEE 802.11p (WAVE) and field trials like the large-scale Vehicle Infrastructure Integration Program (VII) in the US. The special issue solicits high-quality theoretical as well as practical works on a broad range of issues important to the communication, networking, and applications for vehicular ad hoc networks (VANETs). Topics of interest include but are not limited to following:

- 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
- Routing protocol and mobility management
- Simulation frameworks & real-world testbeds

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Authors should follow the MONET Journal manuscript format described bellow at the journal site: http://www.springerlink.com/content/101750/. Manuscripts should be submitted on line through http://www.editorialmanager.com/mone/. A copy of the manuscript should also be emailed to the guest editors (hcc@niu.edu.tw or yschen@mail.ntpu.edu.tw or huang@mail.ncku.edu.tw) as pdf files. This special issue additionally collects best papers from *The First Annual International Symposium on Vehicular Computing Systems* (ISVCS 2008) (http://www.isvcs.eu), Ireland, July 22-24, 2008.