

# IEEE LCN ON-MOVE 2007

Workshop on User MObility and VEhicular Networks  
in conjunction with IEEE LCN in Dublin, Ireland; 15-18 October 2007

## Real-time Coordination of Intelligent Vehicles

Vinny Cahill, Mélanie Bouroche, Barbara Hughes and Aline Senart  
Distributed Systems Group  
Department of Computer Science  
Trinity College Dublin

This presentation reviews on-going work on the application of mobile and ubiquitous computing to intelligent transportation systems within the Distributed Systems Group at Trinity College Dublin. In particular, we present novel (hard) real-time communication and coordination models that are being developed to support safety-critical mobile applications in dynamic wireless networks, in particular, intelligent and autonomous vehicles. We illustrate their use in the design of an emergency-vehicle warning system that employs real-time feedback on the state of communication to improve achievable emergency-vehicle speed.

### Contact

**Workshop chairs:** Christer Ahlund, Lulea University of Technology, Sweden, [christer.ahlund@ltu.se](mailto:christer.ahlund@ltu.se) & Soumaya Cherkaoui, Sherbrooke University, Canada, [Soumaya.Cherkaoui@USherbrooke.ca](mailto:Soumaya.Cherkaoui@USherbrooke.ca).

**Poster and Demo session chairs:** Satoko Itaya, ATR Adaptive Communications Research Laboratories, Japan, [itaya@atr.jp](mailto:itaya@atr.jp) & Salil Kanhere, University Of New South Wales, Australia, [salilk@cse.unsw.edu.au](mailto:salilk@cse.unsw.edu.au).



Visit the ON-MOVE web site: <http://ieee-lcn-nmove.org/>  
and the conference web site: <http://www.ieeelcn.org/>