

International workshop on DSRC 2010 (in conjunction with QShine2010)

The Seventh International ICST Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QShine 2010)

Houston, Texas, USA
November 17-19, 2010
<http://www.qshine.org/>

Wireless vehicular communications and networking is a key enabling technology for future intelligent transport systems (ITS), smart vehicles and smart infrastructure. Dedicated Short Range Communications (DSRC) is the only wireless technology that can potentially meet the extremely short latency requirement for road safety messaging, communications and control. However, DSRC is not yet fully field proven. There are significant DSRC-related research problems that have to be tackled before large-scale deployment. The primary objective of this workshop is to present the most updated theory and practice on all aspects of DSRC.

Workshop chairs

Jeff Y. Li
Aruna Seneviratne
NICTA, Australia

Steering Committee

Graham Hellestrand
EST, USA
Chris Nicol
NICTA, Australia
Rob Evans
Univ. of Melbourne, Australia

Technical Program Committee

Jeremy Blum
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Mahbub Hassan, Asghar Balaei
Univ. of NSW, Australia
Zainab Zaidi, Roksana Boreli.
William Uther, Liming Zhu
NICTA, Australia

Important Dates

October 10, 2010
Full paper submission
October 15, 2010
Notification of Acceptance
October 20, 2010
Camera-ready version

Topics of interest include but not limited to the followings.

- Applications, experiments and field tests
- Requirements, analysis and feasibility study
- All aspects of quality of service (QoS), throughput, latency, scalability, reliability and robustness
- Security, privacy and anonymity
- Emerging standards, systems, services, regulations and disruptive technologies
- Large-scale deployment issues and solutions
- Architecture, design and implementation
- Cross-layer research and optimization
- New theory and engineering practice
- Modelling of channels, radios and systems
- Signal processing and communications theory
- Vehicular ad-hoc networking (VANET)
- Cooperative positioning
- IEEE802.11p and IEEE P1609 implementation issues
- DSRC-enabled control systems
- Simulation of large and complex systems
- New perspectives in bridging other areas

Please submit your paper written in English between 9 and 14 pages in Springer LNICST printable PDF format on website <http://www.easychair.org/conferences/?conf=dsrc2010>.

All submissions must describe original research, not published or currently under review for another workshop, conference or journal. At least one author of each accepted paper must be registered for the workshop in order for that paper to appear in the proceedings that will be published by Springer. For further information please contact Jeff.Li@nicta.com.au.