CALL FOR PAPERS FOR TRACK
Vehicular Communications & Networking: V2V, V2R, V2I, & V2U

Please visit the website www.ieee-ccnc.org/2013 for more information on Research Paper, Industry Paper, Tutorial, Special Sessions, Keynote, Plenary Lecture, Panel, Demonstrations, Workshops and Paper Submission Guidelines.

IEEE

IEEE COMMUNICATIONS SOCIETY

IEEE Consumer Communications and Networking Conference (CCNC) is a major annual international conference. Taking advantage of its co-location with CES (the world's largest tradeshow on consumer technology, extensive press coverage and ~150,000 attendees), CCNC is organized with the objective of bringing together researchers, developers, and practitioners from academia and industry working in all areas of consumer communications and networking. To achieve the goal, IEEE CCNC 2013 will feature a number of new initiatives, such as the following:

- Grand Challenges
- Industry Sessions
- Tutorials (free to all registered attendees)
- Demos (with chance to show to general CES 2013 public, ~150,000 visitors)
- Ph.D. thesis panels
- Job/internship fairs

The CCNC 2013 "Vehicular Communications & Networking" (VCN) Track aims to showcase the latest developments and technical solutions in the areas of VCN.

Mobile communications has since its early days involved communication with vehicles. For numerous present-day reasons—safety, environmental impact, and economics, to name a few—vehicular communications and networking is seeing burgeoning attention. This includes vehicle-to-vehicle (V2V), vehicle-to-infrastructure (V2I, which can be e.g., cellular), vehicle-to-roadside (V2R, where "R" denotes new dedicated vehicular access sites), and most generally, vehicle-to-*universe* (including satellite, GPS, public safety, pedestrian, …). To encompass all these modes, we use the abbreviation V2X.

In this track, we invite papers on V2X communications and networking, where we are largely focused on vehicles on established roadways: automobiles, trucks, buses, etc. Papers on networking with other types of vehicles (trains, ships), and in other environments (off-road, indoor) are also of interest, but in keeping with the CCNC theme, our emphasis is on consumer-related technologies. Topics of interest include, but are not limited to, the following areas:

- Physical & MAC layers: channels and propagation, IEEE 802.11p, DSRC/WAVE, enhancements, MIMO, OFDM, "application-driven" challenges such as low latency
- Networking: IEEE 1609, broadcasting/multicasting/unicasting, geocasting, ad hoc operation, interference in large aggregations of vehicles, capacity, resource management
- Simulations: PHY, MAC, V2V/V2R networking, V2V ad hoc networking, applications
- Operation/Deployment: field trials, economic models, infrastructure ownership/operation, security, "level of penetration" considerations
- Vehicle to Grid (V2G) for smart grid applications

For more information, visit http://www.ieee-ccnc.org/.

IMPORTANT DATES

Technical Papers Due: August 1, 2012
Acceptance Notification: September 15, 2012
Final Camera Ready Artwork: October 15, 2012