Important deadlines:

- Submission (full paper): June 27, 2016
- Notification: August 20, 2016
- Registration: September 3, 2016
- Camera ready: October 4, 2016

Tracks:

**Fundamentals on communication and networking**
- Intelligent vehicular networking
- Vehicular communications
- Vehicular mobile ad hoc networks
- Vehicle-to-infrastructure communications
- roadside-to-vehicle and vehicle-to-vehicle communication
- Vehicle-to-vehicle communication
- Cellular and satellite communications for vehicular systems
- Cross-layer design and optimization for vehicular networks
- Future vehicular systems
- Vehicular applications

**Protocols and mechanisms**
- Routing protocols for vehicle-to-vehicle communications
- MAC layer technologies
- Physical layer and RF level technologies
- Algorithms, protocols and systems for data dissemination
- Channel modeling
- Modulation and coding
- Multi-channel organization and operation
- Antenna technologies
- In-vehicle sensor networks

**Vehicular data**
- Mining vehicular data
- Vehicular data acquisition
- Vehicular data analysis
- Vehicular data dissemination
- Vehicular datasets
- Floating car data (FCD)
- Business models for vehicular data
- Ownership of vehicular data
- Vehicular data services
- Vehicular data centers

**Unmanned vehicles**
- Terrestrial unmanned vehicles
- Unmanned aerial vehicles
- Underwater unmanned vehicles
- Unmanned sea surface vehicles
- Collision control
- Traffic surveillance challenges
- Path planning and estimation
- Communication between unmanned vehicles
- Integration of unmanned aerial vehicles in civil airspace
- Unmanned vehicular clusters
- Designing unmanned vehicular-based systems
- Safety of unmanned vehicles
- Legal aspects of unmanned vehicular systems
- Testbeds and pilot experiments

**Security**
- Embedded security
- Automotive security
- Secure automotive communication (on-board and off-board like V2X)
- Safety and security co-engineering
- Tuning protection
- Component protection
- Vehicular integrity protection
- Secure (over-the-air) update
- Separation techniques for vehicular networks
- Protection of the vehicular safety functionality
- Immobilizers

**Evaluation**
- System evaluation methodologies
- Performance characterization and analysis
- Mobility analysis and vehicle traffic analysis
- Safety and non-safety applications
- Security issues and countermeasures
- Privacy issues
- Reliable and fast handover
- Green vehicular communications and networking
- Power control and scalability issues

**Vehicle powering**
- Renewable energy and vehicles
- Green cars
- Biofuels
- Electrical vehicles
- Solar powering cars
- Hybrid electric vehicles
- Long-term car batteries
- Hydrogen fuel cell vehicles
- Residential charging stations
- Dual-source energy storage

**Management and tracking**
- Networks and systems management
- High-speed mobility management
- Radio resource, QoS support, and interference management
- Channel management
- Incident detection
- Vehicle tracking

**Subliminal characteristics**
- Driver-centric interfaces
- Modalities for subliminal interfaces (visual, auditory, tactile/haptic, olfactory)
- Perception of subliminal information
- Characteristics of subliminally delivered information
- Unobtrusive techniques for driver’s state detection
- Mitigation or regulation interfaces

**Experiments and challenges**
- Simulation frameworks and real-world testbeds
- Standardization in safe autonomous systems
- Implementation of mobile IP and migration of IPv6
- Testbed experiments and measurements
- Business models and policies