DESCRIPTION

Vehicular communications is a growing area of communications between vehicles and including roadside communication infrastructure. Advances in wireless communications are making possible sharing of information through real time communications between vehicles and infrastructure. This has led to applications to increase safety of vehicles and communication between passengers and the Internet. Standardization efforts on vehicular communication are also underway to make vehicular transportation safer, greener and easier.

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- **Vehicle to vehicle** and **vehicle to infrastructure communications**
- Channel modelling, modulating and coding
- **Congestion Control** and scalability issues
- Protocol design, testing and verification
- **Routing in vehicular networks**
- Security issues and countermeasures
- Deployment and field testing
- Reducing energy consumption and enhancing safety of vehicles
- **Wireless in–car networks**
- Data collection and dissemination methods
- Mobility and handover issues
- Safety and **driver assistance applications**
- Standardization of protocols

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