

GI/ITG KuVS Fachgespräch Inter-Vehicle Communication

February 21st–22nd 2013, Innsbruck, Tyrol, Austria

Motivation

Inter-vehicle communication (IVC) – the management and control of network connections among vehicles as well as between vehicles and existing network infrastructure – is a maturing research field that is currently gaining massive momentum. The investment of European automobile manufacturers and OEMs into this idea is not only expressed in successful efforts to reserve dedicated radio spectrum harmonized across Europe, but is also reflected in numerous research ventures in cooperation with academia.

First standardization efforts across all layers, by both IEEE and ETSI, have already borne fruit, allowing researchers to gain valuable insights into both the strengths and the shortcomings of current approaches. A tremendous body of experience could be gathered in both national and international large scale field tests as well as in the domain of simulation and modeling. However, this knowledge is still fragmented, making it hard for new players to get into the game and affording even experienced groups only a restricted view on this complex field.

Goals

We are inviting talented young researchers as well as their experienced colleagues to come to Innsbruck for a day and help fill this gap by participating in lively discussions about both the state of the art and future directions of inter-vehicle communication research.

Prospective authors are requested to submit two to four page abstracts outlining their research activities and obtained early results. All contributions will be published in a technical report (thus, the copyright will remain with the authors). Authors attending the Fachgespräch are asked for a € 50 contribution to the costs of the event.

Manuscripts formatted according to IEEE conference layout should be submitted in form of a PDF at <http://www.ccs-labs.org/events/fg-ivc-2013/>

Topics of Interest

- ▶ Communication architectures and systems
- ▶ Application concepts, coexistence, and use cases
- ▶ Heterogeneous access technologies and networks
- ▶ Harmonization of European and U.S. activities
- ▶ Resource management, sharing, and allocation
- ▶ Information dissemination and networking
- ▶ Simulative and analytical performance evaluation and modeling
- ▶ Insights from measurement campaigns and field tests

Important Dates

- ▶ Extended abstract deadline:
January 25th
- ▶ Notification of acceptance:
February 1st
- ▶ Fachgespräch:
February 21st and 22nd

Organizing Committee

- ▶ Christoph Sommer
<<http://www.ccs-labs.org/~sommer/>>
- ▶ Björn Scheuermann
<<http://www.ti.informatik.hu-berlin.de/>>
- ▶ Tessa Tielert
<http://dsn.tm.uni-karlsruhe.de/staff_tielert.php>
- ▶ Björn Schünemann
<<http://www.dcaiti.tu-berlin.de/staff/schuenemann/>>