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Talk title: Vehicular communication – From 11p to 5G

Research group leader, Technical University Dresden, Vodafone chair Mobile Communication
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Abstract

Research, development and standardization efforts for vehicle-to-vehicle/infrastructure communication have led to a consolidated communication system ready for deployment; commonly named C-ITS in Europe and DSRC in the U.S. This system enables primarily driver information and warning applications. The talk provides an overview of the key protocols, analyzes requirements for future applications and sketches potential future directions for 5G systems.

Short Bio

Andreas Festag received a diploma degree (1996) and Ph.D. (2003) in Electrical Engineering from the Technical University Berlin. As researcher, he worked with the Telecommunication Networks Group (TKN) at Technical University Berlin, Heinrich-Hertz-Institute (HHI) in Berlin and NEC Laboratories in Heidelberg, where he lastly had the position of a Chief Researcher. Since 2013 he is research group leader at the Technical University Dresden, Vodafone chair Mobile Communication Systems. Andreas has worked on various research projects for wireless and mobile communication networks and published more than 50 papers in journals, conference proceedings and workshops. His research is concerned with architecture, design and performance evaluation of wireless and mobile communication systems and protocols, in the past years with a focus on vehicular communication and Intelligent Transportation Systems (ITS). He actively contributes to the CAR-2-CAR Communication Consortium and to ETSI Technical Committee ITS. He is senior member of IEEE.