Abstract
Earlier this year, on January 29, the world marked the 125th anniversary of the invention of the automobile. Apart from trend-setting innovation in engine technologies, the breakthrough of cars as we know them has been marked by the advent of electronic parts and information and communication technologies (ICT). While some vehicles feature more software than a fighter jet, it is not only the car that has become smarter, but also the road infrastructure, the devices drivers and passengers bring to the vehicle environment, and – hopefully – the driver itself. These advances are brought to us by Intelligent Transportation Systems (ITS), wireless technologies including mobile broadband, the latest smartphones and other tools and gadgets. Given the global reach of the automotive market, the mobility across borders and an increasing number of manufacturers, service providers and operators involved, global standards play a key role in enabling the integration of ICT and automotive.

This talk will highlight the use of ICT in the vehicle environment and point out standardization activities taking place at the global level. An overview of ITU’s related work will be presented and potential ways of involvement discussed.

Brief Bio
Martin Adolph is Programme Officer in ITU’s Standardization Policy and Technology Watch Division. Since joining the organization in 2007, he has played an active role in launching ITU’s work on ICT and climate change, and in organizing annual CTO meetings, bringing together ITU’s management with global ICT leaders.

Martin is responsible for ITU-T’s Technology Watch, which surveys the ICT environment to capture new topics for standardization activities. Fascinated with innovation and new technologies, he authored several Technology Watch Reports on topics such as biometrics, cloud computing, sensor networks. He is also acting as technical advisor to ITU Kaleidoscope, an academic conference on innovation and standards in ICT.

Martin holds a diploma in computer science from Dresden University of Technology, and one in engineering from Ecole Centrale Paris.

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