Internet of Things and Automotive. Challenges and Tasks.

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The term "Internet der Dinge" (engl. "Internet of Things") refers to an electronic network of daily life. The idea of objects ("things") being equipped with some form of intelligence and aims at things autonomously exchanging information amongst each other. www.wikipedia.de
BMW ConnectedDrive.
The vehicle is already part of a network.
BMW ConnectedDrive today.
Overview Services.

Emergency call
If worse comes to worst: the emergency call
The emergency call can be activated manually or automatically. The exact position of the vehicle is transmitted to the BMW call center and the nearest emergency control center is alerted.

Information service
Info on tap: acquisition of important information via call center
Direct transfer of addresses and phone numbers into the onboard navigation or phone system.

My Info
Interface to the PC
Interactive communication between driver and vehicle: Sending personal text messages from the BMW Internet Portal to the vehicle.

BMW Online
- News
- Weather
- Google Local Search
- Travel
- Office
- Extras

BMW TeleServices
Direct networking between vehicle and BMW Service Partner
TeleService: Transfer of maintenance and diagnostic information for remote assistance and customer service.

V-Info+
Bypassing congestion
stay informed about traffic in a more up-to-date, detailed and comprehensive manner with TMCpro data provided by T-Systems Traffic.
Connectivity Scenarios.
Today and tomorrow.
IOT and automotive.
Active safety and mobility.
IOT and automotive.
Active safety and mobility.

Traffic Sign Recognition

Traffic Light Assistant

Stop Sign Warning

Driving Dynamics Assistant
IOT and automotive.
Active safety and mobility.
Connectivity Scenarios.
Wearable Intelligence.
IOT and automotive.
Production and maintenance.
IOT and automotive.
Community platforms.
IOT and automotive Wireless Technologies.
IOT and automotive IT Technologies.
IOT and Automotive. Challenges and Tasks.

- Open Platforms & End-to-End Architectures
- Business Models, Roles & Rights in the Value Chain
- Data Security, Privacy, Policy for networking & personalization
- Multi-Radio Communication
- Smart Systems (adaptive, intuitive, self-ambient awareness)
- MMI-Natural use and simple integration
- Applications – Seamless, Realtime, Broadband
- Automotive IOT
- Open Platforms & End-to-End Architectures
Our Vision.
A Safer, More Efficient and Enjoyable Driving.