

35. Treffen der VDE/ITG-Fachgruppe 5.2.4
Mobilität in IP-basierten Netzen
am 17. Februar (Open Workshop) und 18. Februar 2011 in Bremen

Call for Contributions

Within its series of round tables, the VDE/ITG Section 5.2.4 "Mobility in IP-based Networks" will organize a one day workshop on the topic

Internet of Things

The workshop will take place at the University of Bremen on February 17th, 2011, co-located with an ITG 5.2.1 Workshop on "Smart Grids". We solicit:

- Technical overview presentations
- Project presentations
- Presentations of results of ongoing research
- Visionary (possibly provocative) presentations

Advances in microelectronics, communication and information technologies enable to embed increasing processing and communication power into any object, thus weaving the "Internet of Things (IoT)". Technologies like RFID, short-range wireless communications, real-time localization and sensor networks are now becoming common, bringing the Internet of Things into commercial use for specific sectors, like for example logistics. However, to become an integral part of the Future Internet further effort is needed to develop context-aware, reliable, energy-efficient and secure networks of cooperating sensors, actuators and other smart objects with self configuring capabilities based on standard and interoperable communication protocols.

The objective of this workshop is to bring stakeholders of this topic from telecom operators, manufacturers, and academia together to discuss the resulting challenges related to system optimization in wireless networks. Topics of particular interest include, but are not limited to:

- Communication systems and network architectures for the IoT
- Support of Self-management, self-configuration and self-healing capabilities for IoT
- Green Internet of Things technologies
- Security and Privacy for IoT
- Mobile machine-to-machine communication
- Design of future sustainable technologies linking the physical and virtual world
- Experience reports from the introduction and operation of networked things in areas such as healthcare, telematics, logistics & transport and smart cities
- Simulation results on IoT problems
- Business aspects

Please inform the workshop organisers about your planned contribution by **Thursday, December 23rd, 2010**. The number of contributions is limited and assigned on a first come first served basis. The workshop program will be published in the beginning of January 2011. Participants should register by email by **January 31th, 2011**. For further questions, please do not hesitate to contact the workshop organizers:

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