

46. Treffen der VDE/ITG-Fachgruppe 5.2.4

IP and Mobility

on 4./5. December 2014 in Munich

hosted by Lehrstuhl für Kommunikationsnetze at Technische Universität München

<http://www.lkn.ei.tum.de/>

Call for Contributions

Within its series of round tables, the VDE/ITG Section 5.2.4 “Mobility in IP-based Networks” organizes a workshop on the topic

5G: Visions, Requirements, Solutions

The workshop will take place at Technische Universität München on December 4th, 2014, at the Lehrstuhl für Kommunikationsnetze at the inner city campus at Arcisstr. 21. We solicit:

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

Mobile communication industry has started working towards 5G – the next generation mobile communication technology expected to come in 2020. Major international operators joined forces in NGMN, the Next Generation Mobile Networks alliance to define consolidated requirements for 5G. The outcome is expected to be published as White Paper in the scope of the Mobile World Congress in Barcelona in March 2015. 5G will go far beyond defining a new radio access layer. A new 5G core network may be redesigned to fully exploit the possibilities offered by virtualization and cloudification. Strict borders between radio access network and core network may disappear if RAN and CN functions run in the cloud. New use cases in the fields of Connected Society, Massive IoT (Internet of Things), Automated Industries, Real-time Vehicle-to-vehicle, or Health Care increase the requirements not only on throughput, latency, and reliability but also on operational and management aspects.

The objective of this workshop is to bring stakeholders from telecom operators, vendors, and academia together to discuss 5G visions, use cases, requirements, technologies, and research. While contributions on **5G visions and requirements** are by nature not restricted to any specific topics, the scope of **technical contributions** shall target one of the following topics in order to have a more focused discussion:

- Novel radio transmission technologies incl. device-to-device communication
- Novel radio resource management concepts
- RAN cloudification
- Novel core network concepts

Please inform the workshop organizers about your planned contribution by **Friday, Nov. 7th 2014**. The number of contributions is limited and assigned on a first come first served basis. The workshop program will be published mid of **November**. Participants should register via email by **Nov. 21, 2014**.

The **workshop** will take place in the afternoon of **Dec. 4, 2014** followed by a joint **dinner** for all participants on a self-pay basis. In the morning of **Dec. 5, 2014** the ITG 5.2.4 group internal meeting will take place, which is open to guests. Please contact us if you are interested in our work.

For further questions, please do not hesitate to contact the workshop organizers:

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