

46. Treffen der VDE/ITG-Fachgruppe 5.2.4
IP and Mobility

5G: Visions, Requirements, Solutions

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| <u>Location</u> | Lehrstuhl für Kommunikationsnetze, TU München Room 1977, Arcisstrasse 21, TUM Stammgelände, 80333 Munich, Germany |
| <u>Date</u> | December 4, 13:00-19:00 (Workshop) December 5, 10:00-12:00 (Fachgruppensitzung) |

Agenda

- 13:00-13:10 Welcome
- 13:10-14:10 **Session 1: 5G RAN**
Fasil B. Tesema (Nokia): Abstract RRM for Multi-connectivity in the presence of Mobility
Markus Gruber (Alcatel-Lucent): Mobile Network Sharing
Frank Fitzek (TU Dresden): Holistic View on 5G
- 14:10-14:25 *Coffee Break*
- 14:25-15:05 **Session 2: Device-to-device (D2D) Communication**
Markus Klügel (TU München): D2D Communication: on efficiency and feasibility
Maciej Mühleisen (TU Hamburg-Harburg): D2D for LTE-Advanced
- 15:05-15:45 **Session 3: 5G Core Network**
Michael Till Beck (LMU): NFV as an enabler for a flexible next-generation network core
Valentin Vlad, Julius Müller (Fraunhofer FOKUS): 5G Core Network Evolutions
- 15:45-16:15 *Coffee Break*
- 16:15-16:35 **Session 1a: 5G RAN**
Andreas Mäder (NEC): Functional Split Options for Centralized RAN with Imperfect Backhaul
- 16:35-17:35 **Session 4: 5G Requirements and Visions**
Mikhail Vilgelm (TU München): 5G – Requirements from M2M / Smart Grid
Jakob Belschner, Hans Einsiedler (T-Labs) : 5G – Enabling a smart(er) World the METIS Approach
Qing Wei (DOCOMO Euro-Labs): An operator’s view on the 5G Core network
Yunyan Chang (Huawei): Making Massive Connectivity a Reality: On the Way to 5G
- 17:35-18:15 Discussion on Visions and Requirements
- 18:15-18:30 Wrap-Up
- 20:00- Self-Pay Dinner in Augustiner-Keller, Arnulfstr. 52 (S-Bahn: Hackerbrücke or a 20 min walk from TUM)

Fr, 10:00-12:00 Fachgruppentreffen (open for all participants)

Fachgruppensprecher:

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