

49th Meeting of the VDE/ITG Section 5.2.4 “IP and Mobility”

Draft Agenda

5G Mobile Networks – Towards the Tactile Internet

Location TU Dresden, Deutsche Telekom Chair of Communication Networks,
Barkhausenbau, Room BAR I/15, Georg-Schumann-Str. 9, 01062 Dresden, Germany
<https://cn.ifn.et.tu-dresden.de/>

Date Friday, June 10th, 9:00 – 15:00

Agenda

Thursday June 9, 2016

19:30 **Dinner** on self-pay basis – Italienisches Dörfchen, www.italienisches-doerfchen.de/

Friday **June 10, 2016**

9:00 – 9:30 Welcome and Workshop Scope (Wolfgang Kellerer, TUM; Frank Fitzek, TUD)

9:30-10:30 **Session 1: Tactile Internet and Cyber Physical Networking**

- On the Tactile Internet Standardization Activities – An Overview of IEEE, ETSI, and IETF Standards (*Meryem Simsek, TU Dresden*)
- State of the Art and Future Research Direction for Cyber Physical Networks (*Maciej Mühleisen, TU Hamburg-Harburg*)
- Towards Cyber Physical Networking – joint optimization of networking and control (*Mikhail Vilgelm, TU München*)

10:30-11:00 **Coffee Break**

11:00-12:00 **Session 2**

- Mobile Tactile Internet service provision with 5G NORMA concept (*Dirk von Hugo, Deutsche Telekom*)
- Fast Cloud - Mobile edge clouds for 5G networks (*Gian Nguyen, TU Dresden*)
- RAN slicing as enabler for low latency services (*Andreas Maeder, Nokia*)

12:00-13:30 **Lunch break with demo**

- 5G lab demo (*TU Dresden*)

13:30-14:50 **Session 3**

- Cognitives Management Mobiler Kommunikationsnetze für Taktiler Internet (COMBINE-5G) (*Michael Bahr, Siemens*)
- Real Time Control in 5G: Embedded Mobile Communication Networks -A System-Theoretic Modeling Approach (*Paul Kühn, Uni Stuttgart*)
- Hierarchical Radio Resource Management for D2D communication (*Dariusz Soleymani, TU Ilmenau*)
- Performance Limits of Critical Machine-to-Machine Communication Systems (*Yulin Hu, RWTH Aachen*)

14:50-15:15 **Wrap-up**

For presenters: presentations shall not exceed 15 min (+ 5 min discussion)

Registration

For registration to the workshop please send an email to **Rico Radeke** and **Wolfgang Kellerer** until May 30th. There is no registration fee.

Please indicate whether you will join the self-pay social event on June 9th.

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Wolfgang Kellerer (wolfgang.kellerer@tum.de) Dirk Staehle (dirk.staehle@htwg-konstanz.de)

For details see: <http://itg.lkn.ei.tum.de/>