

47. Treffen der VDE/ITG-Fachgruppe 5.2.4

Mobilität in IP-basierten Netzen

New Radio Resource Management Concepts

Location Alcatel-Lucent
Conference Hall 1 (right next to the Alcatel-Lucent reception at the main entrance)
Lorenzstr. 10, 70435 Stuttgart, Germany
S-Bahn stop “Neuwirtshaus (Porscheplatz)” served by lines 6 and 60

Date Thursday, June 25th, 13:30-18:00

Agenda

Thursday

13:00-13:30 Registration

13:30-13:40 Welcome

13:40-14:45 **Session 1: Anticipation and Prediction**

- Ilaria Malanchini (Alcatel-Lucent Bell Labs): Anticipatory Resource Allocation in Wireless Networks
- Jörg Widmer (IMDEA): Prediction-based Optimization in Mobile Networks
- Qi Liao (Alcatel-Lucent Bell Labs): Channel Gain Prediction in Wireless Networks based on Spatial-Temporal Correlation

14:45-15:15 Coffee Break

15:15-16:20 **Session 2: Resource Allocation**

- Ming Li (TU Hamburg-Harburg): Utility-based Radio Resource Allocation in LTE-Advanced
- Maciej Mühleisen (TU Hamburg-Harburg): Linear Programming for Optimal Mode-Selection for D2D Communication in LTE-Advanced
- Murat Gürsu (TU München): Radio Resource Management for In-Airplane Communication

16:20-16:50 Coffee Break

16:50-17:55 **Session 3: Cloud RAN and Collaborative Networks**

- Muhammad Mahboob Ur Rahman (KTH): Gains vs. Cost of RRH Clustering in 5G Cloud RAN
- Thomas Werthmann (Universität Stuttgart): Adaptive Allocation of Compute Resources for LTE Physical Layer Processing
- Václav Valenta (Universität Ulm): Hardware Design of Spectrum Sensing Nodes for Collaborative Sensing Networks

17:55-18:00 Wrap-up

20:00 **Dinner** on self-pay basis – location to be announced
(some place close to S-Bahn station Stadtmitte or Hauptbahnhof)

Friday

10:00-12:00 Fachgruppensitzung (open to whoever is interested), room 35 (second floor)

Registration

For registration to the workshop please send an email to Markus Gruber **by June 12th**. There is no registration fee.

Please indicate whether you will join the self-pay social event on June 25th and whether you plan to join the Fachgruppensitzung on June 26th.

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