

**32. Treffen der VDE/ITG-Fachgruppe 5.2.4**  
**Mobilität in IP-basierten Netzen**

**Interference Management and Cooperation Strategies in  
Communication Networks**

am 18. Februar (Open Workshop) und 19. Februar 2010 in Darmstadt

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**Agenda**

**February 18<sup>th</sup>: Open Workshop**

**Location:** Technische Universität Darmstadt  
Building S3|20 room 18  
Rundeturmstraße 10  
64283 Darmstadt

- 10:00 Registration
- 10:30 Opening  
Welcome from the host  
Prof. Dr.-Ing. Anja Klein, TU Darmstadt  
Welcome from the speaker of the working group  
Dr. Klaus-Dieter Kohrt, ITG Fachgruppe 5.2.4
- 10:45 Cognitive downlink beamforming and interference control in femto-cells  
Marius Pesavento, TU Darmstadt  
Power control for the interference management in LTE femtocell  
Zhao Zhao, LU Hannover  
Soft Frequency Reuse in Next Generation OFDMA Networks  
Florian Wamser, Universität Würzburg  
A Game Theoretic Analysis of Load Balancing  
Ahmad Awada, Nokia Siemens Networks, München
- 12:45 Lunch
- 14:00 Divide-and-conquer or signal level interference alignment for network coding  
in the multi-way relay channel  
Aydin Sezgin, Universität Ulm  
Methods for Interference Coordination in LTE Networks  
Jakob Belschner, Deutsche Telekom Laboratories, Darmstadt  
Interference Management: From autonomous to coordinated  
approaches  
Jan Ellenbeck, TU München  
Interference in Radio Resource Management: A Comparison of  
Coordinated and Uncoordinated Resource Allocation  
Philipp Hasselbach, TU Darmstadt

Dynamic inter-cell interference coordination without BS-to-BS signaling (short presentation)

Matthias Kaschub, Christian Blankenhorn, Christian Müller, Thomas Werthmann, Universität Stuttgart

16:00 Coffee break

16:30 When 10 dB doesn't equal 10 dB - Performance Prediction in Future Cellular Networks

James Gross, Farshad Naghibi, RWTH Aachen

Multi-Cell Interference Aware Resource Allocation for Half-Duplex Relay Based Cooperation

Emilio Calvanese Strinati, Laboratoire de Communications Numériques et Algorithmes, Grenoble

Suitable scenarios for relay deployment

Abdallah Bou Saleh, Ömer Bulakci, Nokia Siemens Networks, München

Performance of relay in LTE-Advanced

Abdallah Bou Saleh, Ömer Bulakci, Nokia Siemens Networks, München

Selecting Spatially Efficient Relays (short presentation)

Nikolaj Marchenko, Alpen-Adria Universität Klagenfurt

18:30 Closing

19:30 Get together at the Bockshaut

## February 19<sup>th</sup>: Working Group Meeting

**Location:** Technische Universität Darmstadt  
Building S3|06 room 249  
Merckstraße 25  
64283 Darmstadt

9:00 Meeting of the ITG Working Group 5.2.4 "Mobilität in IP-basierten Netzen"

For further questions, please contact the workshop organizers:

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