Interference Management and Cooperation Strategies in Communication Networks

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

Agenda

February 18th: 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

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 Numeriqués 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 19th: 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:
Philipp Hasselbach (p.hasselbach@nt.tu-darmstadt.de)