

**29. Treffen der VDE/ITG-Fachgruppe 5.2.4**  
**Mobilität in IP-basierten Netzen**  
am 12. Februar (Open Workshop) und 13. Februar 2009 in Aachen

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**Call for Contributions**

Within its series of round tables, the VDE/ITG Section 5.2.4 "Mobility in IP-based Networks" will organize a one day workshop on the topic

## **Scheduling and Radio Resource Management**

on February 12<sup>th</sup> at the Department of Communication Networks (ComNets) at RWTH Aachen University.

We solicit

- Technical overview presentations
- Project presentations
- Presentations of results of ongoing research
- Visionary (possibly provocative) presentations

Radio frequency spectrum is a scarce resource and a limiting factor in wireless communication. Its optimal utilization is therefore a crucial requirement for current and future communication systems. Spectral efficiency must be maximized while maintaining fairness among users of a single system as well as between different systems in homogeneous and heterogeneous environments. Modern communication technology standards like 3GPP LTE and IEEE 802.16 allow for a high flexibility in the scheduling of radio resources. Precise scheduling algorithms are not specified by the standards. Radio resource management is therefore a hot topic for researchers and system designers allowing competition and product diversity.

The aim of this workshop is to provide an overview of trends in radio resource management. This cross-layer topic is intended to bring together experts in the field of physical and medium access control (MAC) layer engineering. Topics of particular interest should be related to aspects of managing available resource of the wireless medium, including (but not limited to):

- Scheduling of different resources (frequency, code, time, space)
- Channel-aware and frequency selective scheduling algorithms
- QoE aware scheduling and radio resource management
- Interference management (coordination, mitigation, randomization)
- Signaling protocols (channel state estimation, resource request/grant)
- Scheduling and resource allocation in different time scales
- Radio resource management in relay enhanced environments
- LTE / WiMAX / 3G and its evolutions

Please inform the workshop organisers about your planned contribution by January 28<sup>th</sup>, 2009. The workshop places are limited and assigned on a first come first serve basis. Participants should register by email by February 4<sup>th</sup>, 2009. More details about the ITG/VDE meeting will be available soon via the webpage. For further questions, please do not hesitate to contact the workshop organisers:

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