28. Treffen der VDE/ITG-Fachgruppe 5.2.4
Mobilität in IP-basierten Netzen
am 27. Oktober (Open Workshop) und 28. Oktober 2008 in München

_____

Call for Contributions

Within its series of round tables, the VDE/ITG Section 5.2.4 will organize a one day workshop on the topic:

Wireless Mesh and Relay Networks

on October 27th at the Institute of Communication Networks of the Technical University of Munich. The participation in this workshop is free of charge. We solicit

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

Multi-hop broadband wireless access networks are intended to provide broadband Internet access to users without a single radio link to a station directly connected to the Internet. We can distinguish relay and mesh networks. Relay networks typically extend the coverage area of a single base station or access point by connecting relay stations in form of a tree. They are typically extensions of cellular networks as for the UMTS Long Term Evolution (LTE) or Mobile WiMAX (IEEE 802.16j). Mesh networks consist of nodes that are more strongly interconnected and may include multiple gateway points to the Internet. Today's mesh networks are mostly based on the IEEE 802.11 standard with the IEEE 802.11s working group developing a dedicated standard for mesh support. The IEEE 802.16 standard also specifies a mesh mode that is in contrast to the 802.11 standard based on explicit TDMA like resource reservations. The aim of this workshop is to provide an overview of ongoing research and standardization activities in the context of mesh and relay networks. Topics of particular interest for this workshop should be related to aspects of relay and mesh networks, including (but not limited to) the following:

- Standardization activities in IEEE 802.11s and IEEE 802.16j
- Multi* Mesh Networks
- Self-Organization
- Routing protocols (unicast, multicast, broadcast)
- Resource management and wireless QoS/QoE Provisioning
- Security and AAA; Accounting, Charging and Pricing
- Network planning and configuration; Performance evaluation
- Experience from testbeds and live networks
- Use cases, social and economical aspects

Please inform the workshop organizers about your planned contribution by September 30th, 2008. The workshop places are limited and assigned on a first come first serve basis. Participants should register by email by October 17th, 2008. 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 organizers:

Martin Maier   (martin.maier@tum.de)
Dirk Staehle   (dstaehle@informatik.uni-wuerzburg.de)
http://www.ikr.uni-stuttgart.de/Content/itg/fg524/