34. Treffen der VDE/ITG-Fachgruppe 5.2.4
Mobilität in IP-basierten Netzen
am 6. Oktober (Open Workshop) in Stuttgart

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

Consistent system optimization in
3G/4G wireless networks

The workshop will take place at the University of Stuttgart on October 6th, 2010, co-located with the ITG 5.2 conference "Zukunft der Netze". We solicit:

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

Standardization bodies have specified a number of landmark radio access technologies such as UMTS, WiMAX, and LTE and each of these technologies has its own requirements for system optimization. Since operators tend to adopt new technologies without giving up legacy networks, their optimization effort increases and a manual adjustment of system parameters becomes completely uneconomic. Hence there is an increasing demand for radio access networks that optimize themselves autonomously. 3GPP, for instance, has already specified a number of use cases where a self-optimization is desirable. However, little attention has been paid to how individual self-optimization processes properly interact with each other without causing oscillations, instabilities or failures.

The objective of this workshop is to bring stakeholders of this topic from telecom operators, manufacturers, and academia together to discuss the challenges related to system optimization in wireless networks. Topics of particular interest include, but are not limited to:

- Interaction of multiple self-optimization processes
- Stability of self-optimization solutions
- Scenarios and metrics for evaluating self-optimization solutions
- Self-optimization use cases – current definitions and beyond
- Status and results of related (publicly funded) projects
- Related challenges such as self-configuration and self-healing in wireless networks
- Simulation results on self-optimization problems
- Business aspects

Please inform the workshop organisers about your planned contribution by Friday, September 10th, 2010. The number of contributions is limited and assigned on a first come first served basis. Participants should register by email by September 17th, 2010. More details about the meeting will be available soon via the webpage below. For further questions, please do not hesitate to contact the workshop organizers:

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http://www.ikr.uni-stuttgart.de/Content/itg/fg524/