

43. Treffen der VDE/ITG-Fachgruppe 5.2.4

IP and Mobility

Thursday, July 11th 2013 in Klagenfurt
hosted by Alpen-Adria-Universität Klagenfurt and Lakeside Labs

<http://nes.aau.at/>

Call for Contributions

Within its series of round tables, the VDE/ITG Section 5.2.4 "IP and Mobility" will organize a half day workshop on the topic

Autonome Vernetzte Systeme/ Autonomous Networked Systems

The workshop will take place at Lakeside Labs GmbH and Alpen-Adria-Universität Klagenfurt in Klagenfurt on **Thursday, July 11th, 2013**, in their office Lakeside B04b, 9020 Klagenfurt, Austria in conjunction with Lakeside Research Days 2013 (<http://researchdays.lakeside-labs.com>). We solicit:

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

Autonomous networked systems, in particular networked robots, receive increasing attention not only in the scientific research community, but also in civil and commercial applications. Distributed monitoring, surveillance, and disaster resistance are prominent examples for applications of communicating, mobile autonomous systems. The design principles of such autonomous systems still need intensive investigations and the cooperation of experts from many disciplines such as wireless communications, networking, robotics, multimedia, and swarm intelligence.

The objective of this workshop is to bring stakeholders of this topic from mobile networking, robotic systems, manufacturers and academia together to discuss challenges, ideas, and results related to system design and optimization in autonomous networked systems. Topics of particular interest include, but are not limited to:

- Use cases and challenges, application of networked multi-robot systems
- Architectures and protocols for autonomous networked systems
- Self-organization principles for networked mobile systems
- Coordination of multiple, heterogeneous robots in wireless networks
- Experimental testbeds
- Performance measurements and analysis

Please inform the **workshop organizers** about your planned contribution by **May 26th, 2013**. The number of contributions is limited and assigned on a first come first served basis. The workshop program will be published beginning of June. Participants should register via email by **June 16th, 2013**. As always, the participation of the workshop is free of charge. A short ITG 5.2.4 internal meeting will take place before the technical workshop in the morning of July 11th.

For further questions, please do not hesitate to contact the **workshop organizers**:

Local chair Christian Bettstetter (Christian.bettstetter@aau.at)

Local organization: Udo Schilcher, Evsen Yanmaz ({udo.schilcher,evsen.yanmaz}@aau.at)

General chairs Dirk Staehle (staehle@docomolab-euro.com)
 Wolfgang Kellerer (wolfgang.kellerer@tum.de)

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