

43. Treffen der VDE/ITG-Fachgruppe 5.2.4

IP and Mobility

On Thursday, 11. July 2013 in Klagenfurt
hosted by Alpen-Adria-Universität Klagenfurt and Lakeside Labs
<http://nes.aau.at/>

Autonome Vernetzte Systeme/ Autonomous Networked Systems

Location Lakeside Labs GmbH
Lakeside Park B04b, Level 1
9020 Klagenfurt

July 10th – Self-paid dinner (time and place will be announced)

July 11th- Open Workshop

09:00 ITG 5.2.4 Internal meeting

09:45 Registration

10:00 Welcome and Introduction

10:15-12:00 Technical Session 1

“Controlled Mobility in Wireless, Sensor, Actuator, and Robot Networks”
Enrico Natalizio, Heudiasyc Lab, UTC

“Stabilization of MAV and MAV-UGV swarms based on a visual relative localization”
Martin Saska, Czech Technical University in Prague

“Visual and thermal low-altitude aerial imagery for real-time monitoring”
Saeed Yahyanejad, Alpen-Adria-Universität Klagenfurt

“Verification of reliability of multi-UAV for their use in any scenario”
Ashutosh Natraj, University of Oxford

12:00 Lunch

13:00 Social event

14:45-16:30 Technical Session 2

“On the Effects of the Robot Configuration on Evolving Coordinated Motion Behaviors”
István Fehérvári, Alpen-Adria-Universität Klagenfurt

“Cooperative sensing and recognition in robot swarms “
Gianni Di Caro, IDSIA

“They are ready - are they? Examining 802.11n aerial communications of search and rescue UAVs “
Karin Hummel, ETH Zurich

“EchoRing: Wireless Network Design and Evaluation for Hard Real-Time Applications”
Christian Dombrowski, RWTH Aachen

16:30-16:45 Wrap up and Closing Remarks