

News

Christian Hübsch and Sebastian Mies defend their theses successfully



Figure 1 Christian Hübsch and Sebastian Mies

The entire research group shares their happiness.

We congratulate and wish them all the best for their future career (Fig. 1).

06/29/2012 Joachim Wilke <wilke@kit.edu>

ITM aims for the sky



Figure 2

At this year's firm outing, the Institute of Telematics went to the Fun Forest Park at Kandel which demanded strong nerves and adequate fitness in dizzying heights from the participants. At the very end of a long day a comfy barbecue at the institute allowed all staff members to relax from this adventurous trip (Fig. 2).

07/12/2012 Martin Röhrich <roehricht@kit.edu>

New scientific researcher

Martin Florian (Fig. 3) joined the Institute of Telematics research team on October 1, 2012. He is currently involved with the iZEUS project financed by the German Federal Ministry of Economics and Technology, where he is developing overlay communication architectures for smart traffic applications. Additionally, he conducts research into decentralized social networks, in cooperation with the Young Investigator Group "Service-oriented, decentralized and secure social networks (SODESSON)".

10/01/2012 Martin Florian <florian@kit.edu>



Figure 3 Martin Florian

Conferences & Workshops

Bernhard Heep presents paper at the ICUFN 2012



Figure 4 Social Event ICUFN 2012

In the middle of the raining season, Bernhard Heep presented the paper “Maintenance and Privacy in Unstructured GeoCast Overlays for Smart Traffic Applications” at the International Conference on Ubiquitous and Future Networks (ICUFN 2012) on Phuket early in July (Fig. 4). The paper discusses mechanisms for maintaining a decentralized overlay-based communication structure as basis for smart traffic applications and its users’ privacy issues.

<http://2012.icufn.org/>

http://telematics.tm.kit.edu/english/article.php?publication_id=505&language_id=2

07/04/2012 Dr. Bernhard Heep <heep@kit.edu>

EuroView 2012

The Institute of Telematics participated in this year’s EuroView 2012 (23. - 24. July) in Würzburg with several contributions. Denis Martin outlined the work conducted with other institutions in the area of protocol composition and Future Internet in his talk “Tools for Application-tailored Network Engineering”. Helge Backhaus and Hans Wippel presented with the demonstrator “A Network Pluralist’s Approach to Online Video Stores”, how services like an online video store could be realized in a possible Future Internet scenario. The workshop brings together mainly German researchers to discuss current projects and technical problems and also marked this years conclusion of the G-Lab project.

<http://www.euroview2012.org>

07/23/2012 Hans Wippel <wippel@kit.edu>

Best Poster Award - ACM MSWIM 2012



Figure 5 ACM MSWIM 2012

(English translation of the article is not available.) Vom 21. bis zum 25. Oktober fand die ACM MSWIM 2012 statt (Abb. 5), die Wissenschaftler aus der ganzen Welt nach Paphos/Zypern lockte. Zwei Karlsruher Wissenschaftler konnten hier den Best-Poster Award abräumen. Christian Haas stellte das Poster- Paper “Evaluating the Energy-Efficiency of Key Exchange Protocols in Wireless Sensor Networks” vor, welches in Zusammenarbeit mit Joachim Wilke am Institut für Telematik entstanden ist. Ziel der Arbeit war es, den Energiebedarf gängiger Schlüsselaustauschprotokolle systematisch und realitätsnah sowohl in Simulationen als auch auf echter Sensorknoten Hardware zu evaluieren.

10/21/2012 Christian Haas <haas@tm.uka.de>

Guests & Visits

Visiting Dr. Herman Engelbrecht and John Gilmore

In October our institute was visited by Dr. Herman Engelbrecht and John Gilmore from the MIH media lab at Stellenbosch University (South Africa). In addition to the presentation of current research activities, we had very interesting discussions on the topic of peer- to-peer networks.

10/10/2012 Dr. Ingmar Baumgart <baumgart@kit.edu>

Visiting Prof. Dr. Tilman Wolf



Figure 6 Prof. Dr. Tilman Wolf

As part of our research seminar, Prof. Dr. Tilman Wolf from the University of Massachusetts Amherst visited us on October 17 and 18.

Prof. Wolf received a Diplom in informatics from the University of Stuttgart in 1998. He also received a M.S. in computer science in 1998, a M.S. in computer engineering in 2000, and a D.Sc. in computer science in 2002, all from Washington University in St. Louis. Dr. Wolf is engaged in research and teaching in the areas of computer networks, computer architecture, and embedded systems. He is currently lead principle investigator on the ChoiceNet project (<http://choicenet.info>), one of five large NSF Future Internet Architecture (FIA) projects (<http://www.nets-fia.net>).

Prof. Wolf gave a talk (Fig. 6) on the ChoiceNet project that aims to develop a novel network archi-

tecture that explicitly exposes different service offerings in the network and lets users choose. This work aims to combine these technological choices with economic interactions between users and service providers through an “economy plane.” Integrating economic aspects into the network architecture ensures that providers are rewarded for offering innovative services and thus drive long-term innovation in the Internet.

After his talk, different Future Internet projects from our institute were introduced to Prof. Wolf: SODESSON, SpoVNet, and NENA. All presentations delivered a good basis for lively and interesting discussions. Overall, the intellectual exchange between Prof. Wolf and the participants of our institute was profitable for both parties.

10/17/2012 Denis Martin <martin@kit.edu>

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