

News

Christian Haas defends his thesis



Figure 1 Dr. Christian Haas

On 07.02. Christian Haas (Fig. 1) successfully defended his doctoral thesis. He remains as a post doctorate at the Institute of Telematics. The whole chair congratulates him on this occasion.

02/07/2014 Jens Horneber <horneber@kit.edu>

Two successful theses

On 17.04. Denise Dudek (Fig. 2) and Denis Martin (Fig. 3) defended their theses successfully. Both survived the bumpy ride in our traditional



Figure 2 Dr. Denise Dudek

promotion trolley luckily unharmed. im traditionellen Promotionswagen haben beide zum Glück unbeschadet überstanden. For the professional future we wish them all the best.

04/17/2014 Jens Horneber <horneber@kit.edu>

Prof. Zitterbart participated in KIT Business Club

On May 8, she gave a talk with the topic “Sensors Make Cities Smarter” at an event regarding the “City of the Future” (Fig 4). IT infrastructure will play in future “Smart Cities” a major role. Everything will be in a network together and exchange data, especially sensors deployed in the environment (... even the car, the home or the garden can be considered as “big” sensors). In this context, IT security and privacy protection has an important role.

05/08/2014 Jens Horneber <horneber@kit.edu>



Figure 3 Dr. Denis Martin

Successful thesis: Christoph Werle

On Mai 9, Christoph (Fig. 5) Werle successfully defended his thesis. The entire research group shares his happiness. We congratulate Christoph and wish him all the best for his future career!

05/09/2014 Anton Hergenröder <hergen@tm.uka.de>

ZAK-Talk: Everything gets smart - the role technical communication

On June 12, Prof. Zitterbart did a talk for the Colloquium Fundamentale program of the Centre for Cultural and General Studies: Everything gets smart. The mobile is a smartphone, the city of the future is a smart city. And also the traffic and the power grid gets smart. In short, we can call it "Smart Everything". The greater goal is a more convenient, efficient and economical way of life. Therefore, ubiquitous networking is required as it is provided by the Internet of Everything. The Internet of Everything aims at bringing people, pro-

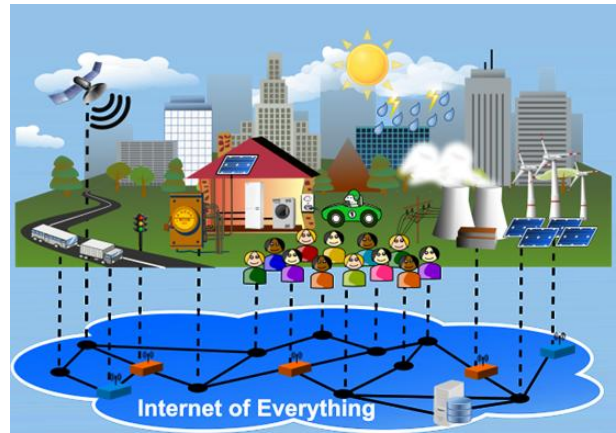


Figure 4 Smart Cities und Internet of Everything

cesses, objects / devices and data together. An important aspect of this is to ensure security and privacy in the "Smart Everything".

06/12/2014 Jens Horneber <horneber@kit.edu>

Conferences & Workshops

SECCRIT Technical Workshops

On April 3rd and April 4th our Institute hosted two technical workshops for the EU-funded project SECCRIT (<https://seccrit.eu>). The project internal workshops focused on different topics to advance the project after its first very encouraging EU review. The workshops aimed at a targeted integration of the various partner activities towards common demonstrators.

04/03/2014 Dr. Roland Bless <bless@kit.edu>

IEEE Infocom 2014

On April 28th, the paper "SMART-ER: peer-based privacy for smart metering" by Sören Finster and Ingmar Baumgart was presented at IEEE INFOCOM 2014 as part of the workshop "Communication and Control for Smart Energy Systems (CCSES)". The goal of this work is the protection of customers' privacy in future energy systems.

04/28/2014 Dr. Ingmar Baumgart <baumgart@kit.edu>



Figure 5 Dr. Christoph Werle



Figure 6 Prof. Michael Welzl

Guests & Visits

Visitor from Oslo

For two days on May 15th & 16th Prof. Michael Welzl (Fig. 6) from University of Oslo, Norway visited our institute and held two talks. First about the establishment of the IEEE Working Group on “Transport Services” (Taps). Afterwards about ongoing research on congestion control within the scope of the PRISTINE Project (<http://ict-pristine.eu/>).

05/17/2014 Helge Backhaus <backhaus@kit.edu>

Publications

EWSN 2014 Poster: Secure Metering Communication in the Energy Smart Home Lab

Anton Hergenröder has presented ongoing work in the scope of project KASTEL on a secure me-

tering communication architecture in the energy smart home lab (Fig. 7). The work was presented in the poster session of 11th European Conference on Wireless Sensor Networks (EWSN 2014) in Oxford (UK).

02/18/2014 Anton Hergenröder <hergen@tm.uka.de>

References

S. FINSTER and I. BAUMGART: *SMART-ER: peer-based privacy for smart metering*. In *IEEE INFOCOM Workshop on Communications and Control for Smart Energy Systems*. IEEE, May 2014.

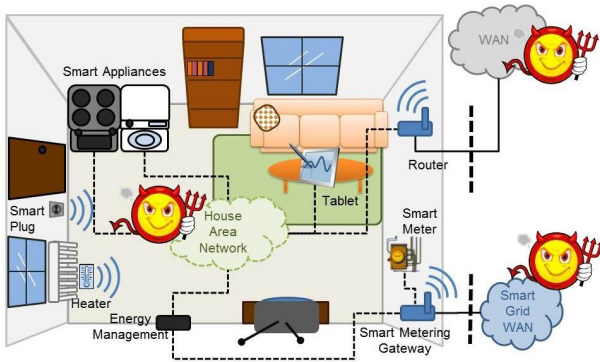


Figure 7 Threats in Smart-Home

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