**International Workshop on Demand Modeling and Quantitative Analysis of Future Generation Energy Networks and Energy Efficient Systems**

**FGENET 2014**

***Program***

**March 19, 2014  
Bamberg, Germany**

Editor: Udo Krieger

Date: 16.12.13

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| Time | Wednesday, March 19, 2014 | |
| 9:00 -  10:00 | Session 1: Modeling, Analysis, and Simulation of Future Generation Energy Networks (20 min./ talk) | Michael Hoefling et al.:  A Perspective on the Future Retail Energy Market |
| Marco Pruckner et al.:   |  |  | | --- | --- | | A Coupled Optimization and Simulation Model for the Energy Transition in Bavaria |  | |
| Peter Bazan, Reinhard German:  Hybrid Simulation Framework for Renewable Energy Generation and Storage Grids |
| 10:00 – 10:20 | Coffee Break | |
| 10:20 – 11:20 | Invited Lecture | Ward Van Heddeghem, Mario Pickavet et al., Ghent University, Belgium:  Modelling of the worldwide electricity consumption of ICT |
| 11:20 – 11:40 | Coffee Break | |
| 11:40 – 12:55 | Session 2: Demand Modeling, Inference and Analysis of Energy Efficiency | Boudewijn Haverkort:  Simple Models for Energy-Performance Trade-Offs in Data Centers |
| Jürgen Wenig, Thorsten Staake: Evaluation of four possible load shifting strategies for electric vehicles utilizing autoregressive moving average methods for electricity price forecasting |
| Riedl, Siemens AG: Smart Grid Communication Architecture |
| 12:55-13:00 | Closing of FGENET2014 | |