

Conference Program

Thursday: 30.3.2017

| Time | Author | Title | Affiliation |
|-------------|---|---|---|
| 08:30-09:00 | Registration: Technologie- und Gründerzentrum Oldenburg TGO (Marie-Curie-Straße 1, 26129 Oldenburg) | | |
| 09:00-09:15 | Prof. C. Agert | Conference Opening | Institute Director - NEXT ENERGY, EWE Research Centre for Energy Technology |
| 09:15-09:30 | Dr. Thomas Vogt | Introduction to NEXT ENERGY and Division Energy System Modelling | Head of Division ESA - NEXT ENERGY, EWE Research Centre for Energy Technology |
| 09:30-10:00 | Ulf P. Müller | The eGo grid model: an open source approach towards a model of the German high and extra-high voltage power grids | Flensburg University of Applied Sciences |
| 10:00-10:30 | Denis Mende | Combined power market and grid modelling: Implementation and applications | Fraunhofer Institute for Wind Energy and Energy System Technology (IWES) |
| 10:30-11:00 | Franziska Flachsbarth | Power grid modelling | Öko-Institut e.V. |
| 11:00-11:30 | Coffee break | | |
| 11:30-12:00 | Simon Marwitz | Extension algorithm for generic low-voltage networks | Fraunhofer Institute for Systems and Innovation Research (ISI) |
| 12:00-12:30 | Jonathan Amme | The eGo grid model: an open-source and open-data based multi-voltage synthetic grid model for distribution power supply | Reiner Lemoine Institute gGmbH |
| 12:30-13:30 | Lunch break | | |
| 13:30-14:00 | Jonas Hörsch | An open source large-scale spatial optimization model of the European electricity system | Frankfurt Institute for Advanced Studies (FIAS) |
| 14:00-14:30 | Charlotte Senkpiel | Evaluation of load-flow in a linear unit-commitment expansion optimization model | Fraunhofer Institute of Solar Energy Systems (ISE) |
| 14:30-15:00 | Coffee break and poster session | | |
| 15:00-15:30 | Paul Neetzow | The impact of battery storage siting on network congestion: an assessment for Germany | University of Oldenburg, Humboldt-Universität zu Berlin |
| 15:30-16:00 | Alexander Kies | The impact of grid storage application on battery life degradation in electric vehicles | Frankfurt Institute for Advanced Studies (FIAS) |
| 17:00-18:30 | Guided tour (English), Oldenburg City Center | | |
| 18:30-22:00 | Dinner and networking (OLs Brauhaus, Stau 25-27, 26122 Oldenburg) | | |

Friday: 31.3.2017

| Time | Author | Title | Affiliation |
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| 09:00-09:30 | Carsten Matke | Resilience analysis in the SciGRID network | NEXT ENERGY, EWE Research Centre for Energy Technology |
| 09:30-10:00 | Felix Böing | Assessment of grid optimizing measures for the German transmission grid using open source grid data | FfE - Forschungsstelle für Energiewirtschaft e.V. |
| 10:00-10:30 | Wolfgang Biener | Impact of grid reduction on modeling accuracy of line usage-rates | Fraunhofer Institute of Solar Energy Systems (ISE) |
| 10:30-11:00 | Coffee break | | |
| 11:00-11:30 | Stefan Kettmann | Propagation of disturbances in power grids | Jacobs University Bremen |
| 11:30-12:00 | Sabine Auer | Topology related instabilities driven by intermittent fluctuations in power grids | Potsdam Institute for Climate Impact Research (PIK) |
| 12:00-12:30 | Pedro Lind | The role of heterogeneities for the stability of the German power grid | Osnabrück University |
| 12:30-13:30 | Lunch break | | |
| 13:30-14:00 | Closing Session | | |
| 14:00-15:00 | Visit to NEXT ENERGY Labs (Carl-von-Ossietzky Str. 15, 26129 Oldenburg) | | |