

ENERDAY 2015 - 10th Conference on Energy Economics and Technology

Sustainable Energy Security

Informal Get Together	Thursday, 16 April 2015, 7 pm Paul Rackwitz, Plauenscher Ring 33, 01187 Dresden
ENERDAY- Conference	Friday, 17 April 2015, 8:15 am - 6 pm Technische Universität Dresden, Faculty of Business Economics, Faculty Assembly Hall
Conference Dinner	Friday, 17 April 2015, 7 pm Chiaveri im Sächsischen Landtag, Bernhard-von-Lindenau-Platz 1, 01067 Dresden

Conference Program on 17 April 2015

8:15	Registration, Coffee & Tea		
8:45	Opening Address (Room: Faculty Assembly Hall) Prof. Dr. Udo Buscher, Dean of the Faculty of Business and Economics, TU Dresden Prof. Dr. Dominik Möst, TU Dresden, Chair of Energy Economics Prof. Dr. Christian von Hirschhausen, TU Berlin, Workgroup for Infrastructure Policy (WIP) and DIW Berlin		
9:15	Keynote Speech (Room: Faculty Assembly Hall, Chair: Prof. Dr. Christian von Hirschhausen) Sustainable Energy Security: The hidden challenges Prof. Dr. Karen Smith Stegen (Jacobs University Bremen)		
10:00	Coffee & Tea		
10:45 - 12:05	Energy Security (Room: Faculty Assembly Hall) Chair: Philipp Hauser	Investment Planning (Room: A03) Chair: Fabian Hinz	Energy Policy (Room: B37) Chair: Hannes Hobbie
10:45	Energy security conceptions and renewable energy deployment in the EU Javier Valdés (Ferrara and Parma Universities)	Economic Viability of Grid Expansion, Energy Storage, and Demand Side Management: A Real Options and Welfare Analysis Prof. Dr. Reinhard Madlener (RWTH Aachen University)	Does Free Permit Allocation Cause Higher Emissions in the Electricity Sector? Firm-Level Evidence from a Natural Experiment Dr. Aleksandar Zaklan (DIW Berlin)
11:05	Long-term strategies to ensure a robust performance of the European electricity system Paul Nahmmacher (Potsdam Institute for Climate Impact Research)	Technology Investments for New Energy Systems: Regime, Market and Cost Uncertainties Ernesto Garnier (RWTH Aachen University)	The Economics of State Aid for Environment and Energy – New Developments in Response to Energy Security Challenges Dr. Geza Sapi (European Commission)
11:25	Sustainable security of electricity supply through coordinated national security of supply policies Dr. Lyuba Ilieva (Frontier Economics)	Optimum Investment Planning and Operation of Local Hybrid Energy Systems from the End-User Perspective Andreas Fleischhacker (Vienna University of Technology)	Designing business models for different market participants in a hybrid retail energy market Daniel Schwabeneder (Vienna University of Technology)
11:45	External oil supply risks under different scenarios in EU, US, Japan, China and India Dr. Wina Crijns-Graus (Utrecht University)	New balancing rule for the electricity market Stephan Schiller (EnBW Energie Baden-Württemberg AG)	Who can put the German Energiewende into action? Characterizing arenas of change and implications for electricity infrastructure Dr. Eva Schmid (Potsdam Institute for Climate Impact Research)
12:05	Lunch		
13:15	Keynote Speech (Room: Faculty Assembly Hall, Chair: Prof. Dr. Dominik Möst) Maintaining System Security in the Face of German "Energiewende" (Perspective of a TSO) Gert Schwarzbach (50Hertz Transmission GmbH)		
14:00	Short 5-Minute-Break		

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14:05 - 15:25	Transmission Grids (Room: Faculty Assembly Hall) Chair: David Gunkel	Balancing markets (Room: A03) Chair: Michael Zipf	Role of Energy Demand (Room: B37) Chair: Theresa Müller
14:05	Cross-Country Electricity Trade, Renewable Energy and Transmission Infrastructure Policy Dr. Jan Abrell (ETH Zürich)	Impacts of Dynamic Probabilistic Reserve Sizing Techniques on Reserve Requirements and System Costs Michael Bucksteeg (Universität Duisburg-Essen)	Are current regionalisation approaches sufficient to decompose electricity demand? – A German case study Anna-Lena Klingler (Fraunhofer Institute for Systems and Innovation Research)
14:25	Linking Europe - The Role of the Swiss Electricity Transmission Grid until 2050 Prof. Dr. Hannes Weigt (University Basel)	Influence of the time discrete trade of electricity on the demand for secondary control reserve Steffen Fattler (Forschungsstelle für Energie-wirtschaft e.V.)	Spot price formation outside the typical thermal merit-order Christoph Brunner (EnBW Energie Baden-Württemberg AG, TU Dresden)
14:45	Probabilistic welfare analysis for system adequacy – analytical insights Julia Bellenbaum (Universität Duisburg-Essen)	Short-term power production planning under uncertain activation of control reserve Michael Burkhardt (EnBW Energie Baden-Württemberg AG, TU Dresden)	Shifting intra-day electricity consumption through monetary incentives and information feedback Sylvain Weber (University of Neuchâtel)
15:05	How Well Can a Regulator Oversee Electricity Transmission Planning? Limitations and Options for Improvement for the Case of Germany. Alexander Weber (Technische Universität Berlin, WIP)	Market design improvements in the German balancing power market – A fundamental model analysis Diana Böttger (University of Leipzig)	Renovation and Energy-related Household Behaviors in French Dwellings: a Focus on Thermal Comfort Elena Stolyarova (EDF R&D)

15:25 Coffee & Tea

16:15 - 17:35	Electricity Prices Formation (Room: Faculty Assembly Hall) Chair: Hannes Hobbie	Renewables and Market Design (Room:A03) Chair: Daniel Schubert	Energy System Analysis (Room: B 37) Chair: Julia Michaelis
16:15	Studying forward premia in electricity markets: a correction Prof. Dr. Silvester VanKoten (University of Economics, Prague)	Cross-border Cooperations in European Energy Policy: Challenges in the Case of Intermittent RES-E Daniel Weber (Technische Universität Berlin, WIP)	Supply Alternatives in the European Natural Gas Market – Analysing the contribution of LNG and Shale Gas Philipp Hauser (TU Dresden)
16:35	A simulation of continuous intraday markets for electricity Alexander von Selasinsky (TU Dresden)	Modelling electricity supply in Poland with integration of large-scale wind power and energy storage Dr. Artur Wyrwa (AGH University of Science and Technology)	The need for lithium – an upcoming problem for electric vehicles? Daniel Schultz (Forschungszentrum Jülich)
16:55	A parsimonious fundamental model for wholesale electricity markets - Analysis of the plunge in German futures prices Thomas Kallabis (Universität Duisburg-Essen)	Cross-Border Balancing Cooperation in the Alpine Region: Benefits and Challenges Casimir Lorenz and Clemens Gerbaulet (Technische Universität Berlin, WIP)	Is there an optimum scale for energy autarky? Dr. Russel McKenna (Karlsruher Institut für Technologie)
17:15	Two Price Zones for the German Electricity Market: Market Implications and Distributional Effects Jens Weibezahn (Technische Universität Berlin, WIP)	Analysis of design options for the German electricity market regarding security of supply Andreas Bublitz (Karlsruhe Institute of Technology)	The role of CHP in a highly renewable electricity system in Germany Gerda Schubert (Fraunhofer ISI, TU Dresden)

19:00 Conference Dinner (Chiaveri im Sächsischen Landtag, Bernhard-von-Lindenu-Platz 1, 01067 Dresden)

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