

ENERDAY
8th Conference on Energy Economics and Technology
- Energy Policies and Market Design in Europe -

19th April 2013

Technische Universität Dresden, Faculty of Business and Economics
Münchner Platz 3, D-01069 Dresden, Faculty Assembly Hall

Contact / Registration:

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Thursday, 18th April, 6 pm: Informal Get Together, Paul Rackwitz, Plauenscher Ring 33, D-01187 Dresden

8:15 h	Registration, Coffee & Tea (Room: Faculty Assembly Hall)		
8:45 h	Opening Address (Room: Faculty Assembly Hall) Prof. Dr. Udo Buscher, Vice-Dean of the Faculty of Business and Economics, TU Dresden Prof. Dr. Christian von Hirschhausen, TU Berlin WIP, and DIW Berlin Prof. Dr. Dominik Möst, TU Dresden, EE ²		
9:15 h	Keynote Speech (Room: Faculty Assembly Hall) Christian Dobelke, Tennet TSO GmbH: Old markets - new markets: an internal energy market beyond 2014? Chair: Prof. Dr. Dominik Möst, TU Dresden, EE ²		
10:00 h	Coffee & Tea		
10:30 h - 12:30 h	<u>Market design</u> (Room: Faculty Assembly Hall) Chair: Theresa Müller, TU Dresden	<u>Renewables and promotion schemes</u> (Room: A 03) Chair: Michael Zipf, TU Dresden	<u>System aspects in energy markets</u> (Room: B 37) Chair: Daniel Schubert, TU Dresden
10:30 h	Disentangling the German discussion on capacity mechanisms Jenny Winkler (Fraunhofer ISI), Dogan Keles (KIT), Lea Renz (KIT), Frank Sensfuß, Massimo Genoese, Wolf Fichtner	The future of the EEG – small reform or revolution? Christoph Gatzen (Frontier Economics)	A new modelling tool to analyse challenges of the EU energy system Leonidas Mantzos (European Commission Joint Research Centre), Peter Russ, Tobias Wiesenthal, Antonio Soria
10:50 h	Auction design for a strategic reserve market for generation adequacy: on the incentives under different auction scoring rules Gert Brunekreeft, Roland Meyer (Jacobs University Bremen), Margarethe Rammerstorfer (Vienna University of Economics and Business)	Requirements of a Transformation to High Shares of Renewable Energy Sources - A Case Study for the Berlin-Brandenburg Region, Germany Caroline Möller, Berit Müller, Markus Hlusiak, Jochen Twele (Reiner Lemoine Institut gGmbH)	Exploring the functional organization of a fully renewable pan-European electricity system - let the weather decide Martin Greiner, Gorm Andresen, Rolando Rodriguez (Aarhus University), Sarah Becker (Frankfurt Institute for Advanced Studies)
11:10 h	Do we need an additional flexibility market in the electricity system? – A system-economic analysis for Europe – Joachim Bertsch, Christian Growitsch, Stefan Lorenczik, Stephan Nagl (University of Cologne)	Promoting renewable energy without hurting the poor when production costs are uncertain Elisabetta Cornago, Antonio Estache (Université libre de Bruxelles), Renaud Foucart (Oxford University)	Modeling the mid-term development of the energy system in Poland with the use of TIMES-PL model Marcin Pluta, Artur Wyrwa, Janusz Zyśk (AGH University of Science and Technology)
11:30 h	Structural versus Behavioral Remedies in the Deregulation of Electricity Markets: An Experimental Investigation Guided by Theory and Policy Concerns Silvester van Koten (European University Institute), Andreas Ortmann (University of New South Wales)	Potential imports of electricity from North Africa and policy implications Christoph Kost (Fraunhofer ISE), Thomas Schlegl, Dominik Möst (TU Dresden)	Combining Energy Networks: The Impact of Europe's Natural Gas Network on Electricity Markets till 2050 Hannes Weigt (University of Basel), Jan Abrell, Clemens Gerbaulet, Franziska Holz
11:50 h	Economic Analysis of Capacity Remuneration Mechanism Design in Consideration of International Experiences Thorsten Beckers, Albert Hoffrichter, Christian von Hirschhausen (Berlin Institute of Technology)	Combining feed-in tariffs and tenders to support renewable electricity Thilo Grau (DIW Berlin)	Attitudes and Preferences towards for Electric Vehicles. What characteristics and policies do people value most? Claudia Aravena, Eleanor Denny (Trinity College Dublin)
12:30 h	Lunch (Room: in front of the Faculty Assembly Hall)		



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13:30 h	Keynote Speech (Room: Faculty Assembly Hall) Prof. Dr. Felix Müsgens, BTU Cottbus: Electricity Market Design – How (and When) can RES compete? Chair: Prof. Dr. Christian von Hirschhausen, TU Berlin WIP and DIW Berlin		
14:15 h - 15:45 h	<u>Control and balancing energy markets</u> (Room: Faculty Assembly Hall) Chair: Christoph Kost, Fraunhofer ISE	<u>Power Grids</u> (Room: A 03) Chair: David Gunkel, TU Dresden	<u>Security of supply</u> (Room: B37) Chair: Alexander von Selasinsky, TU Dresden
14:15 h	Control Power and Variable Renewables: A Glimpse at German Data Lion Hirth, Inka Ziegenhagen (Vattenfall GmbH)	A prototypic implementation of an optimizing network expansion planning model considering the value perspective of the company and the effects of monopoly regulation in the objective function. Stefan Schnabel (Vattenfall Europe Distribution Berlin GmbH), Robert Kunze (Karlsruhe Institute of Technology)	The German ‘Energiewende’ and Security of Supply: An assessment of power interruption costs in Germany Christian Growitsch, Raimund Malischek, Sebastian Nick, Heike Wetzel (University of Cologne)
14:35 h	Reserve energy market integration in Germany and the northern alpine region Clemens Gerbaulet, Alexander Weber (Berlin Institute of Technology)	Cost Benefit Analysis of Transmission Grid Expansion in the Central and Eastern Europe Electricity Market Günther Körbler, Georg Lettner, Hans Auer (Vienna University of Technology)	The blackout in Munich: how do households value security of supply? Daniel Schubert, Alexander von Selasinsky, Thomas Meyer, Dominik Möst (TU Dresden)
14:55 h	Evaluation of hydrogen storage systems for surplus electricity in the German Energy Sector Julia Michaelis, Fabio Genoese, Prof. Martin Wietschel (Fraunhofer ISI)	European Electricity Grid Infrastructure Expansion in a 2050 Context Jonas Egerer, Clemens Gerbaulet, Casimir Lorenz (Berlin University of Technology)	Money on the right table – Hedging the risk of bottlenecks in the Nordic market Mats Nilsson (Vattenfall AB), Tobias Johansson
15:15 h	Optimizing the procurement of ancillary services; a market model proposal for electricity systems with large shares of renewables. Timon Dubbeling (Sciences Po Paris)	Renewable curtailment and its impact on grid and storage capacities in 2030 Theresa Müller, David Gunkel, Dominik Möst (TU Dresden)	Merchant and Regulated Transmission Investment: The Case of the Baltic Sea Region Alexander Weber, Clemens Gerbaulet (Berlin Institute of Technology)
15:45 h	Coffee & Tea		
16:30 h - 18:00 h	<u>Congestion management</u> (Room: Faculty Assembly Hall) Chair: Friedrich Kunz, DIW	<u>Renewables and smart grids</u> (Room: A 03) Chair: Hannes Hobbie, TU Dresden	<u>Fuel Markets</u> (Room: B37) Chair: Julia Michaelis, Fraunhofer ISI
16:30 h	The Benefit of Coordinating Congestion Management in Germany Friedrich Kunz, Alexander Zerrahn (DIW Berlin)	Highly resolved simulation of feasible pathways to a renewable power system in Germany and Austria – Is storage really a limiting component? Gerhard Totschnig, Johannes Radl, Andre Ortner (Vienna University of Technology)	What Drives Natural Gas Prices? – A Structural VAR Approach Sebastian Nick, Stefan Thoenes (University of Cologne)
16:50 h	An integrated approach to model redispatch and assess potential benefits from Market Splitting in Germany Katrin Schmitz, Michael Bucksteeg, Christoph Weber (University Duisburg-Essen)	The mechanism of the “Grid signal light” as a part of the Smart Market/Grid System – the cooperation between Customers, Energy Logistics, Grid and Regulation Holger Wiechmann (EnBW Vertrieb GmbH), Kai Hufendiek (EnBW AG)	Testing Common Myths on Fuel Prices Sebastian Kreuz, Felix Müsgens (Brandenburg University of Technology)
17:10 h	Economic Potential of the “Power-to-Heat” Technology in the 50Hertz Control Area Mario Götz, Diana Böttger, Hendrik Kondziella, Thomas Bruckner (University of Leipzig)	Competition between different flexibility alternatives in electricity markets with a high share of intermittent renewable energy sources Brunner, Christoph (EnBW AG)	The Role of Natural Gas in a Low-Carbon Europe: Infrastructure and Regional Supply Security in the Global Gas Model Franziska Holz, Philipp M. Richter (DIW Berlin), Ruud Egging (SINTEF Technology and Society)
17:30 h	Management of a Medium Voltage Distribution Network with Distributed Generation Michał Wierzbowski, Błażej Olek (Lodz University of Technology)	Synergies between EE, RE and CO2 targets Karsten Neuhoff (DIW Berlin)	Central Asian Gas in Eurasian Power Game Onur Cobanlı (Humboldt–Universität zu Berlin)
Evening, 19:00 h	Conference Dinner (Coselpalais, An der Frauenkirche 12, D-01067 Dresden)		