

**ENERDAY 2018 - Market and Sector Integration – National and European Perspectives**

**Pre-Conference-Dinner**    **Thursday, 26 April 2018, 7 pm**    Rauschenbach Deli, Weisse Gasse 2, 01067 Dresden  
Informal Get Together

**Conference**    **Friday, 27 April 2018, 8:30 am**    Messe Dresden, Via Mobile 7 ([see Venue Information](#))

8:30	Registration, Coffee & Tea
8:45	<b>Opening Address</b> (Room: Hamburg Conference Hall) Prof. Dr. Dominik Möst, TU Dresden Prof. Dr. Christian von Hirschhausen, TU Berlin
9:15	<b>Keynote Speech</b> (Room: Hamburg Conference Hall, Chair: to be announced) <b>Monitoring of the Energiewende: Why Germany is presently not on track?</b> Prof. Dr. Georg Erdmann, TU Berlin

**10:00 Coffee & Tea**

10:30 - 11:50	<b>Flexibility in energy systems</b>	<b>Sector coupling and policy implications</b>	<b>Market design options and renewables</b>	<b>Economics of consumer behavior</b>
	Room: Hamburg Hall Chair: Michael Zipf	Room: Rotterdam Hall Chair: Tony Klein	Room: St. Petersburg Hall Chair: Constantin Dierstein	Room: Florenz Hall Chair: Samarth Kumar
10:30	<b>Optimal investments in Flexibility Options – An Analysis of Interactions and Sensitivities</b> Christoph Zöphel, Technische Universität Dresden	<b>Linking GCAM with specialized power system models to assess Norwegian energy and climate policy in European context</b> Linn Emelie Schäffer, SINTEF Energy Research	<b>A Probabilistic methodology for adequacy assessment under uncertainty for a multi-region system</b> Thomas Kallabis, Universität Duisburg-Essen	<b>The Economics of Prosumage: Quantification of Business Opportunities in Germany, California, India, and South Africa</b> Philipp Zorn, TU Berlin
10:50	<b>European Power System Long-term Development with Flexibility</b> Hector Marañon-Ledesma, Norwegian University of Science and Technology	<b>Sector coupling in Germany – Scenario paths modelled with REMod-D</b> Christoph Kost, Fraunhofer ISE	<b>Assessing the adequacy of a 100% renewable European power system</b> Will Zappa, Utrecht University	<b>Shifting intraday electricity usage through time-of-use tariffs</b> Martin Péclat, University of Neuchâtel
11:10	<b>How flexibilities support sector coupling - the integration of more renewable energies</b> Holger Wiechmann, EnBW Energie Baden-Württemberg AG	<b>ElecXit: The Impact of Barriers to Electricity Trade after Brexit</b> Joachim Geske, Imperial College Business School	<b>Prospects for an Electricity Market 3.0: How to head towards a Democratic and Competitive Electricity System</b> Reinhardt Haas, Vienna University of Technology	<b>Innovations in Wind Energy Sector</b> Dali Laxton, Center for Economic Research and Graduate Education – Economics Institute (CERGE-EI)
11:30	<b>Techno-Economic Analysis of Flexible Heat Pump Controls</b> Lars Nolting, RWTH Aachen University	<b>Institutionalization for Long-term Energy Policy</b> Nick Pruditsch, Technische Universität Dresden	<b>Optimal Pricing, Subsidies and Solar Panels: a two-sided market approach</b> Raúl Bajo-Buenestado, University of Navarra	<b>Digital peer-to-peer energy communities in Germany – creating a decentral energy world?</b> Frederik Plewnia, Technische Universität Dresden
11:50	<b>Keynote Speech</b> (Room: Hamburg Conference Hall, Chair: to be announced) <b>The role of natural gas in the European energy transition</b> Prof. Ruud Egging, NTNU Trondheim			

**12:30 Lunch**
*Kindly supported by:*

**12<sup>th</sup> Conference on Energy Economics and Technology**

13:40	<b>Keynote Speech</b> (Room: Hamburg Conference Hall, Chair: to be announced) <b>Sector coupling – an energy economic perspective</b> Johannes Henkel, 50Hertz Transmission GmbH
-------	--

**14:25 Short 5-Minute-Break**

14:30 - 15:50	<b>Pathways towards sustainable energy systems</b> Room: Hamburg Hall Chair: Carl-Philipp Anke	<b>Modelling and Simulation of Energy Markets</b> Room: Rotterdam Hall Chair: Hannes Hobbie	<b>Short-term balancing of renewables</b> Room: St. Petersburg Hall Chair: Steffi Schreiber	<b>Energy and prices</b> Room: Florenz Hall Chair: Christoph Zöphel
14:30	<b>Emission Pathways towards a low-carbon energy system for Europe - A model-based Analysis of Decarbonization</b> Konstantin Löffler, Technische Universität Berlin	<b>Economic comparison of different electrofuels for energy scenarios in 2035</b> Philipp Runge, Friedrich-Alexander-Universität Erlangen-Nürnberg	<b>The Economic Benefit of Improved RES Forecasts</b> Jonas Savelsberg, Universität Basel	<b>Analyzing the Relationship of German Retail Fuel Prices and Oil Prices</b> Sebastian Kreuz, BTU Cottbus-Senftenberg
14:50	<b>Designing an operational market for grid supporting use of electric flexibilities in distribution network</b> Erik Heilmann, Universität Kassel	<b>Dynamic State-Induced Price Components in Power Markets</b> Leonard Göke, RWTH Aachen University	<b>Unit Commitment under Imperfect Foresight – The Impact of Stochastic Photovoltaic Generation</b> Jens Weibezahn, Technische Universität Berlin	<b>Forward Premia in Electricity Markets: a replication study</b> Silvester van Koten, University of Economics Prague
15:10	<b>Exploring Energy Pathways for the Low-Carbon Transformation in India</b> Luise Lorenz, Technische Universität Berlin	<b>Easy-to-implement Cognitive Algorithms for Electricity Spot Price Prediction - An Open-source. Open-access Approach</b> Lissy Langer, Technische Universität Berlin	<b>Who balances Nordic wind? – An Analysis Using the Concept of Relative Balancing Contributions</b> Richard Scharff, Vattenfall	<b>Modelling the wind auctions as a participation game</b> Jan Vávra, University of Economics in Prague
15:30	<b>Enabling China's Low-Carbon Energy Transformation Through Expanding its Transmission Grid</b> Hans Hosenfeld, Technische Universität Berlin	<b>Producers, Retailers and Risk-Averse Consumers</b> Elisa Trujillo-Baute, University of Barcelona	<b>Integration of Power-to-Gas Conversion into Dutch Electrical Ancillary Services Markets</b> Victor García Suárez, Delft University of Technology	<b>Rockets and Feathers in Germany's Gasoline Market: The Effect of Increased Market Transparency</b> Marco Horvath, RWI - Leibniz-Institut für Wirtschaftsforschung e.V

**15:50 Coffee & Tea**

16:20 - 17:40	<b>Strategic decisions and behaviour in power markets</b>	<b>Gas markets</b> Room: Rotterdam Hall Chair: Philipp Hauser	<b>System Operators and Congestion Management</b>	<b>Energy efficiency and system stability</b>
---------------------	---	---	---	---

*Kindly supported by:*

**12<sup>th</sup> Conference on Energy Economics and Technology**

	Room: Hamburg Hall Chair: Matthew Schmidt		Room: St. Petersburg Hall Chair: Dirk Hladik	Room: Florenz Hall Chair: Thomas Walther
16:20	<b>Transmission and generation investment for a core market region within a larger electricity market</b> Jonas Egerer, Friedrich-Alexander-Universität Erlangen-Nürnberg	<b>The Importance of the Gas Infrastructure for Germany's Energy Transition</b> Theresa Eich, Frontier Economics Limited	<b>Aggregation of Temporal Representation of High-Resolution, Fundamental Flow-Based Market Coupling Input Data to Identify Typical Market Scenarios - A Systematic Evaluation and Selection of Relevant Cluster Algorithms</b> Martin Kittel, Technische Universität Berlin	<b>Frequency and persistence of low-wind events in Germany</b> Wolf-Peter Schill, DIW Berlin
16:40	<b>A Model based Market Power Analysis of the German Market for Frequency Containment Reserve</b> Samir Jeddi, ewi Energy Research & Scenarios gGmbH	<b>Diversification at any price – Economic assessment for reaching the EU diversification targets?</b> Simon Schulte, ewi Energy Research & Scenarios gGmbH	<b>Locational (In-) Efficiency of Renewable Power Generation in the Distribution Grid: A Spatial Regression Analysis</b> Tim Höfer, RWTH Aachen	<b>Energy Audits vs. – ISO Management Systems: a review of Austrian policy - Effectiveness of the internalization of identifying energy efficiency potentials and resulting savings rates</b> Christian Schützenhofer, University of Vienna
17:00	<b>Economic and Environmental Consequences of Market Power in the South-East Europe Regional Electricity Market</b> Verena Viskovic, University College London	<b>Integration of Electricity and Gas Market – Accounting for Interdependencies and Uncertainty</b> Thomas Möbius, BTU Cottbus-Senftenberg	<b>Trends in European Regulation / still struggling for the IEM</b> Christian Dobelke, TenneT TSO GmbH	<b>Revenue decoupling and energy consumption: Empirical evidence from the U.S. electric utilities sector</b> Victor von Loessl, Universität Kassel
17:20	<b>Electricity Prices under Climate Policy</b> Evangelos Panos, Paul Scherrer Institut	<b>Power to Gas: a crucial component for sectoral coupling and energy supply security</b> Michael Friedrich, Greenpeace Energy	<b>Price Zones and Investment Incentives in Electricity Markets: An Application of Multi-Level Optimization with Graph Partitioning</b> Mirjam Ambrosius, Friedrich-Alexander Universität Erlangen-Nürnberg	<b>Energy Security - a new perspective as a solution to present problems in energy market integration?</b> Krzysztof Ksiezopolski, SGH

**17:40 Closing Words in the Foyer of the Via Mobile 7, Messe Dresden**
**Gala Dinner**  
 Official Closing Event

**Friday, 27 April 2018, ~7 pm**

Steigenberger Hotel de Saxe, Neumarkt 9, 01067 Dresden

Kindly supported by:

