



Dresden, April 2012

ENERDAY
7th Conference on Energy Economics and Technology
Infrastructure for the Energy Transformation

April 27, 2012

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

Contact / Registration:

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Thursday, 26 April, 7 pm: Informal Get Together, Paul Rackwitz, Plauenscher Ring 33, D-01187 Dresden

8.30 h	Registration, Coffee & Tea (Room: Faculty Assembly Hall)		
9.00 h	Opening Address (Room: Faculty Assembly Hall) Prof. Dr. Susanne Strahinger, 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		
9.30 h	Keynote Session (Room: Faculty Assembly Hall) Philipp Godron, DII GmbH : Bringing the Desertec vision into reality – The power transmission challenges Chair: Prof. Dr. Dominik Möst, TU Dresden, EE ²		
10.15 h	Coffee & Tea		
10.45 h - 12.30 h	Transmission Networks (Room: Faculty Assembly Hall) Chair: Jonas Egerer, TU Berlin <i>Cost allocation across borders in the European Transmission grid</i> Mats Nilsson, Kristian Gustafsson (Vattenfall AB) <i>From Nodal to Zonal Pricing: A Bottom-Up Approach to the Second-Best</i> Barbara Burstedde (EWI University of Cologne) <i>The transition to future transmission networks – How to regulate grid investments under uncertainty</i> Mike Huggins, Anton Burger, Aria Rodgarkia-Dara (Frontier Economics) <i>Does a Welfare Maximizing Quality Regulation Guarantee Timely Network Replacement Investments? – Theoretical Model and Experiment</i> Volker Wannack (Jacobs University Bremen) <i>Optimal investments for renewable energy integration in Germany</i> Jonas Egerer (TU Berlin)	Renewables (Room: A 03) Chair: Massimo Genoese, Karlsruher Institute of Technology (KIT) <i>Local Energy Autarky vs. Pan-European Network – 100% Renewable Energies Scenarios by 2050</i> Mark Nowakowski (Umweltbundesamt) <i>Remuneration and capital costs of renewable energy projects on Green Certificate markets – the Polish example</i> Markus Reichel, Stephan Wegert (DREBERIS GmbH) <i>A new model for analyzing renewable energy integration in Germany</i> Wolf-Peter Schill (DIW Berlin) <i>Electricity Investment: An Evaluation of the New British Energy Policy</i> Chiara Del Bo, Massimo Florio (University of Milano) <i>Analysis of drivers affecting the use of market premium for renewables</i> Massimo Genoese et al. (Karlsruhe Institute of Technology)	Emissions (Room: B37) Chair: Hannes Weigt, University of Basel <i>Do Emission Trading Schemes Facilitate Efficient Abatement Investments? An Experimental Study</i> Silvester van Koten (European University Institute) <i>Redistribution Effects of Energy and Climate Policy</i> Lion Hirth, Falko Ueckerdt (Vattenfall AB) <i>The effect of policy uncertainty on energy infrastructure deployment: A real option approach for CCTS network development</i> Joris Morbee (European Commission) <i>Investigating a CO2 Tax and a Nuclear Phase Out with a Multi-Fuel Market Equilibrium Model</i> Daniel Huppmann (DIW Berlin), Ruud Egging (NTNU Trondheim) <i>CO2 Abatement from RES Injections in the German Electricity Sector: Does a CO2 Price Help?</i> Hannes Weigt et al. (University of Basel)



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Afternoon

12.30 h	Lunch (Room: in front of the Faculty Assembly Hall)		
13.30 h	Keynote Speech (Room: Faculty Assembly Hall) Gregor Zoettl, University of Munich: Challenges in Market Design: Addressing Generation and Network Issues Chair: Christian von Hirschhausen, TU Berlin WIP, and DIW Berlin		
14.15 h - 16.00 h	Smart Grids (Room: Faculty Assembly Hall) Chair: David Gunkel, TU Dresden <i>Market Roles and a System Structure for Smart Market/Grid – Design and Experiences from Test Region</i> Holger Wiechmann, Kai Hufendiek (EnBW) <i>Quantitative effects of decentralized storage options in a smart grid infrastructure</i> Matthias Koch, Christoph Heinemann, Dierk Bauknecht (Öko-Institut) <i>Increasing the use of renewable energy: the MeRegio project – first results</i> Hellmuth Frey (EnBW) <i>A free ride on demand response? – A scenario based analysis of cross-national externalities and supply side effects in Europe</i> Katharina Grave et al. (EWI University of Cologne)	Acceptance (Room: A 03) Chair: Stefan Perras, TU Dresden <i>Consumer Valuation of Changes in Alternative Fuel Vehicles' Driving Range: A Meta-analysis</i> Alexandros Dimitropoulos et al. (VU University Amsterdam) <i>Social Acceptance of Renewable Energy Innovation: An interdisciplinary case-based approach to the study of deployment practices</i> Abdelfattah Triki (ISG Tunis) <i>Energy-economic Analysis of CCS in Climate Change Mitigation Scenarios under a Nuclear Phase-out in Switzerland</i> Nicolas Weidmann, Hal Turton (PSI) <i>Electricity transmission line planning: How Transmission System Operators can avoid public opposition</i> Stefan Perras (TU Dresden/Siemens Management Consulting)	Natural Gas (Room: B37) Chair: Friedrich Kunz, TU Dresden <i>Design of auctions for short-term allocation of gas network services in virtual hubs markets</i> Miguel Vazquez, Michelle Hallack (European University Institute) <i>The Supply Curve for Gas Supply Security with Application to Bulgaria</i> Pierre Noel (University of Cambridge) <i>Overall simulation of German natural gas transmission systems – potential of gas grid for energy transformation</i> Bo Li (TU Clausthal) <i>Pipeline Power</i> Franz Hubert, Onur Cobanli (HU Berlin)
16.00 h – 16.45 h	Coffee & Tea + Poster Session (topics see next page)		
16.45 h - 18.15 h	Generation (Room: Faculty Assembly Hall) Chair: Rainhard Madlener, RWTH Aachen <i>Economic analysis of electricity storage applications in the German spot market for 2020 and 2030</i> Hendrik Kondziella, T. Bruckner (University of Leipzig) <i>Techno-economic evaluation of energy technologies under uncertainty</i> Dogan Keles (Karlsruhe Institute of Technology) <i>Is a capacity market the best possible solution in a fast energy turnaround?</i> Lukas Schuffelen and Dominic Nailis (BET Aachen GmbH) <i>Evaluation of different strategies to hedge the commodity price risk of industrial combined-heat-and-power plants</i> Reinhard Madlener, Andreas Palzer (RWTH Aachen), Günther Westner (E.ON Energy Projects GmbH)	Electric Mobility (Room: A 03) Chair: Alexandra Paetz, Karlsruhe Institute of Technology (KIT) <i>Sustainable Mobility: Analyzing the Supply Chain for TUM's Electric Vehicle MUTE</i> Christian Kandler et al. (TU Munich) <i>Range limits of electric vehicles: Invest in charging infrastructure or buy larger batteries? A techno-economic comparison</i> Till Gnann et al. (Fraunhofer ISI) <i>Total Ownership Cost Projection for the German Electric Vehicle Market with Implications for its Future Power and Electricity Demand</i> Patrick Plötz et al. (Fraunhofer ISI) <i>Feasibility of Battery Switch Stations for Local Emission Free Public Transport</i> Alexandra Paetz (Karlsruhe Institute of Technology)	Desertec (Room: B37) Chair: Christoph Kost, Fraunhofer ISE <i>The DESERTEC University Network and the socio-economic development of the MENA region</i> Mouldi Miled (DUN) <i>Comparative Study of Public Acceptance of DESERTEC-related Renewable Energy Plants</i> Dina Abdel-Fattah et al. (DESERTEC Foundation) <i>Solar power plants operating under market prices</i> Christoph Kost (Fraunhofer ISE), Christoph Flath (IISM Karlsruhe)
Evening, 19.00 h	Reception, Conference Dinner, Augustiner, An der Frauenkirche, D-01067 Dresden		

ENERDAY Postersession

7th Conference on Energy Economics and Technology *Infrastructure for the Energy Transformation*

Topics Postersession - within Coffee break in the afternoon, 15.45 h – 16.30 h

(Room: Above Faculty Assembly Hall)

Topic 1	Matthias Popp (Poppware)	<i>Storage demand for a macroeconomic beneficial transformation of power supply</i>
Topic 2	Ivan Benes (Cityplan)	<i>Resilient Power Pilot Project</i>
Topic 3	Philipp Richter (DIW Berlin)	<i>Trade and the Environment: The Role of Firm Heterogeneity</i>
Topic 4	Hikaru Yamada (Sprint Capital Japan Ltd.)	<i>Smart Distribution for Post Disaster Management</i>
Topic 5	Jing Xu (Florence School of Regulation)	<i>Adoption of netback pricing regime in Chinese gas industry is a step towards a single price market?</i>
Topic 6	Ariadna Cruz Velis (TU Delft)	<i>Large-scale offshore wind power integration from a technical interoperability</i>
Topic 7	Zbigniew Krysa (Wroclaw University of Technology)	<i>Changes in the energy production from the combustion fuel based on spread analysis in the Polish energy market</i>
Topic 8	Moritz Riede (IAPP)	<i>Status and Potential of Organic Solar Cells</i>