

Mannheim Energy Conference 2013

Sustainable Energy Markets

June 24/25, 2013

Monday, June 24, 2013

- 09:30 Arrival and Registration
- 10:00 **Welcome Address**
Chair: Andreas Löschel (ZEW)
- 10:15 Peter Cramton, University of Maryland and Market Design Inc.
The Essential Role of Investment Markets in Electricity Market Design
Chair: Kai Hüschelrath (ZEW & MaCCI & WHU)
- 11:15 Coffee Break
- 11:30 **Parallel Sessions I**
- 13:00 Lunch Break
- 14:00 Ulla Engelmann, European Commission Joint Research Centre
Energy Research at the JRC: Towards a Competitive Low-Carbon Society
Chair: Georg Licht (ZEW & MaCCI)
- 14:30 **Parallel Sessions II**
- 16:00 Coffee Break
- 16:30 **Parallel Sessions III**
- 17:30 End of first day
- 18:30 Conference Dinner

Tuesday, June 25, 2013

- 09:00 Parallel Sessions IV
- 10:30 Coffee Break
- 10:45 Jean-Michel Glachant, European University Institute and Loyola de Palacio Energy Policy Programme
The (Unexpected) Unachievement of the Twin EU Energy Markets
Chair: Martin Peitz (University of Mannheim & MaCCI)
- 11:45 Coffee Break
- 12:00 Paul Ekins, University College London
Energy Decarbonisation Perspectives from the UK
Chair: Andreas Löschel (ZEW)
- 13:00 Lunch Break
- 14:00 **Panel: Challenges of the Promotion of Renewable Energies**
Chair: Andreas Löschel (ZEW)
- Panelists
- ▶ Joachim Goldbeck, Goldbeck Solar
 - ▶ Georg Müller, MVV Energie
 - ▶ Bernd-Michael Zinow, EnBW
- 15:00 Coffee Break
- 15:30 **Parallel Sessions V**
- 17:00 Farewell Drinks & Pretzels

Monday, June 24 – Parallel Sessions I

Energy Prices <i>Chair: Georg Licht (ZEW and MaCCI)</i>	Greenhouse Gas Emissions & Trading <i>Chair: Felix Müsgens (University of Technology Cottbus)</i>	Innovation in Energy Markets I <i>Chair: Yana Rubashkina (Catholic University of Milan, DEFAP; FEEM)</i>
<p>Niaz Bashiri Behemiri (University of Beira Interior)</p> <p>How Crude Oil Impacts on Economic Growth of Portugal? A Multivariate Granger Causality Test</p> <p><i>Discussant: Frank Pothén (ZEW)</i></p>	<p>Claire Gavard (Paris 1 University Panthéont-Sorbonne)</p> <p>Limited Sectoral Trading Between the Eu-Ets and China</p> <p>Discussant: Valeria Di Cosmo (Economic and Social Research Institute and Trinity College Dublin)</p>	<p>Slim Ben Youssef (Manouba University and ESC de Tunis Campus Universitaire)</p> <p>Timing of Adoption of Clean Technologies, Transboundary Pollution and International Trade</p> <p><i>Discussant: Francesco Vona (OFCE)</i></p>
<p>Jürgen Kruse (University of Cologne, EWI)</p> <p>Energy Prices, Technological Knowledge and Green Innovation: A Dynamic Panel Analysis of Patent Counts</p> <p><i>Discussant: Georg Licht (ZEW)</i></p>	<p>Valeria Di Cosmo (Economic and Social Research Institute and Trinity College Dublin)</p> <p>Climate Policy, Interconnection and Carbon Leakage: The Effect of Unilateral Uk Policy on Electricity and Ghg Emissions in Ireland</p> <p><i>Discussant: Felix Müsgens (University of Tech. CB)</i></p>	<p>Francesco Vona (OFCE)</p> <p>Determinants of Renewable Energy Innovation: Environmental Policies vs. Market Regulation</p> <p><i>Discussant: Yana Rubashkina (Catholic University of Milan, DEFAP; FEEM)</i></p>
<p>Veit Böckers (DICE)</p> <p>The Green Game Changer: an Empirical Assessment of the Effects Of Renewable Energies on Prices and Conventional Generation</p> <p><i>Discussant: Christoph Graf (University of Vienna)</i></p>	<p>Felix Müsgens (University of Technology Cottbus)</p> <p>Equilibrium Prices and Investment in Electricity Systems with CO₂-Emission Trading and High Shares of Renewable Energies</p> <p><i>Discussant: Claire Gavard (Paris 1 University Panthéont-Sorbonne)</i></p>	<p>Yana Rubashkina (Catholic University of Milan, DEFAP; FEEM)</p> <p>Environmental Regulation and Competitiveness: Empirical Evidence from European Manufacturing Sectors</p> <p><i>Discussant: Slim Ben Youssef (Manouba University and ESC de Tunis Campus Universitaire)</i></p>

Monday, June 24 – Parallel Sessions II

Electricity Pricing I <i>Chair: Silvester van Koten</i> <i>(CERGE-EI, Charles University, AV ČR)</i>	Flexibility and Security of Supply <i>Chair: Caterina Miriello</i> <i>(IEFE; Bocconi University)</i>	Innovation in Energy Markets II <i>Chair: José Garcia-Quevedo</i> <i>(University of Barcelona)</i>
<p>Ewa Lazarczyk (Stockholm School of Economics)</p> <p>Market Specific News and its Impact on Electricity Prices – Forward Premia</p> <p><i>Discussant: Silvester van Koten</i> <i>(CERGE-EI, Charles University, AV ČR)</i></p>	<p>Monica Giuliotti (Warwick Business University of Warwick, University of Warwick, University of Verona)</p> <p>Revenues from Storage in a Competitive Electricity Market: Empirical Evidence from Great Britain</p> <p><i>Discussant: Caterina Miriello (IEFE; Bocconi University)</i></p>	<p>Francesco Vona (OFCE)</p> <p>Drivers of Investments in Cleaner Energy</p> <p><i>Discussant: Jürgen Kruse</i> <i>(University of Cologne, EWI)</i></p>
<p>David Hirschmann (University of Vienna)</p> <p>The Effect of In-Feed From Intermittent Energy Sources on Electricity Price Variance</p> <p><i>Discussant: Ewa Lazarczyk (Stockholm School of Economics)</i></p>	<p>Christoph Graf (University of Vienna)</p> <p>Multi-Market Unit-Commitment and Capacity Reserve Prices in Systems with a Large Share Of Hydro Power: A Case Study</p> <p><i>Discussant: Matthias Reeg</i> <i>(Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR))</i></p>	<p>Rainer Elsland (Fraunhofer Institute for Systems and Innovation Research ISI)</p> <p>Consideration of Myopic Technological Knowledge in Longterm Energy Demand Modeling</p> <p><i>Discussant: José Garcia-Quevedo</i> <i>(University of Barcelona)</i></p>
<p>Silvester van Koten (CERGE-EI, Charles University, AV ČR)</p> <p>Structural Versus Behavioral Remedies in the Deregulation of Electricity Markets: an Experimental Investigation Motivated by Policy Concerns</p> <p><i>Discussant: David Hirschmann</i> <i>(University of Vienna)</i></p>	<p>Caterina Miriello (IEFE; Bocconi University)</p> <p>Balancing Systems and Flexibility Tools in European Gas Markets</p> <p><i>Discussant: Monica Giuliotti</i> <i>(Warwick Business University of Warwick, University of Warwick, University of Verona)</i></p>	<p>José Garcia-Quevedo (University of Barcelona)</p> <p>R&D Drivers and Obstacles to Innovation in the Energy Industry</p> <p><i>Discussant: Rainer Elsland</i> <i>(Fraunhofer Institute for Systems and Innovation Research ISI)</i></p>

Tuesday, June 25 – Parallel Sessions III

Electricity Pricing II <i>Chair: Sherzod Tashpulatov</i> <i>(CERGE-EI, Charles University, AV ČR)</i>	Network Regulation <i>Chair: Daniel Shawhan</i> <i>(Rensselaer Polytechnic Institute)</i>	Demand Side Management Miguel A. Tovar Reanos (ZEW)
<p>Alexis Berges (Paris School of Economics)</p> <p>Inertia and Supply Function Equilibria on the Electricity Market</p> <p><i>Discussant: Sherzod Tashpulatov</i> <i>(CERGE-EI, Charles University, AV ČR)</i></p>	<p>Elena Fumagalli (Politecnico di Milano)</p> <p>Incentives in Vain? The Role of Output-Based Regulation in Driving Quality Improvements in Electricity Distribution</p> <p><i>Discussant: Daniel Shawhan</i> <i>(Rensselaer Polytechnic Institute)</i></p>	<p>Patrick Jochem (Karlsruhe Institute of Technology (KIT) Institute for Industrial Production (IIP) and DFIU)</p> <p>Integrating Demand Response in the Wholesale Electricity Market</p> <p>Discussant: José M. Labeaga (Universidad Nacional de Educación a Distancia (UNED))</p>
<p>Sherzod Tashpulatov (CERGE-EI, Charles University, AV ČR)</p> <p>Can Producers Apply a Capacity Cutting Strategy to Increase Prices?</p> <p><i>Discussant: Alexis Berges</i> <i>(Paris School of Economics)</i></p>	<p>Daniel Shawhan (Rensselaer Polytechnic Institute)</p> <p>Estimating the Long-Run Effects of Environmental Policies on the Electricity Grid: Prices, Investment, Demand Response and Resulting Carbon Dioxide Emissions</p> <p><i>Discussant: Elena Fumagalli</i> <i>(Politecnico di Milano)</i></p>	<p>José M. Labeaga (Universidad Nacional de Educación a Distancia (UNED))</p> <p>Energy Demand for Heating: Short-Run and Long-Run</p> <p><i>Discussant: Miguel A. Tovar Reanos (ZEW)</i></p>

Tuesday, June 25 – Parallel Sessions IV

Investment and Capacity Markets <i>Chair: Jan Bouckaert</i> <i>(University of Antwerp)</i>	Renewable Energy I <i>Chair: Philipp Biermann</i> <i>(University of Oldenburg)</i>	Integration of Renewable Energies <i>Chair: Wolf-Peter Schill</i> <i>(Deutsches Institut für Wirtschaftsforschung (DIW) Berlin)</i>
<p>Christina Elberg (Institute of Energy Economics at the University of Cologne (EWI))</p> <p>Capacity Mechanisms and Effects on Market Structure</p> <p><i>Discussant: Xiaoyue Jiang</i> <i>(Tulane University)</i></p>	<p>Michael Pahle (Potsdam Institute for Climate Impact Research (PIK))</p> <p>Renewable Energy Dominated Power Markets: A Research Framework</p> <p><i>Discussant: Niall Farrell</i> <i>(Economic and Social Research Institute)</i></p>	<p>Oliver Woll (University of Duisburg-Essen)</p> <p>Renewable Support, CO₂ Abatement and Electricity Prices – The Role of Price Discrimination</p> <p><i>Discussant: Nihat Misir</i> <i>(Copenhagen Business School (CBS))</i></p>
<p>Xiaoyue Jiang (Tulane University)</p> <p>Envelope Modeling for Renewable Energy Intermittency and Capacity</p> <p><i>Discussant: Jan Bouckaert</i> <i>(University of Antwerp)</i></p>	<p>Lion Hirth (Vattenfall Europe AG)</p> <p>The Optimal Share of Variable Renewable</p> <p><i>Discussant: Mathis Klepper</i> <i>(Christian-Albrechts-Universität (CAU) Kiel)</i></p>	<p>Nihat Misir (Copenhagen Business School (CBS))</p> <p>Wind Generators and Market Power: Does it Matter Who Owns Them?</p> <p><i>Discussant: Wolf-Peter Schill</i> <i>(Deutsches Institut für Wirtschaftsforschung (DIW) Berlin)</i></p>
<p>Jan Bouckaert (University of Antwerp)</p> <p>Intermittent Electricity Generation and Investment in Capacity</p> <p><i>Discussant: Christina Elberg</i> <i>(Institute of Energy Economics at the University of Cologne (EWI))</i></p>	<p>Philipp Biermann (University of Oldenburg)</p> <p>Electricity Supply Preferences in Europe: Evidence from Subjective Well-Being Data</p> <p><i>Discussant: Lion Hirth</i> <i>(Vattenfall Europe AG)</i></p>	<p>Wolf-Peter Schill (Deutsches Institut für Wirtschaftsforschung (DIW) Berlin)</p> <p>Residual Load and Storage Requirements for Renewable Integration in Germany: An analysis based on Scenarios of the German Network Development Plan</p> <p><i>Discussant: Oliver Woll</i> <i>(University of Duisburg-Essen)</i></p>

Tuesday, June 25 – Parallel Sessions V

Market Regulation and Design <i>Chair: Luciano de Castro</i> <i>(Kellogg School of Management, Northwestern University)</i>	Renewable Energy II <i>Chair: Niall Farrell</i> <i>(Economic and Social Research Institute, Dublin)</i>	Energy Efficiency <i>Chair: Nikolaos Georgantzis</i> <i>(University of Granada)</i>
<p>Bert Willems (Toulouse School of Economics, Tilec, CentER, Tilburg University)</p> <p>Generation Investment and Access Regulation in the Electricity Market: A Real Option Approach</p> <p><i>Discussant: Luciano De Castro</i> <i>(Kellogg School of Management, Northwestern University)</i></p>	<p>Mathis Klepper (Christian-Albrechts-Universität (CAU) Kiel)</p> <p>The Hidden Cost of Renewable Electricity Through Volatility of Supply</p> <p><i>Discussant: Michael Pahle</i> <i>Potsdam Institute for Climate Impact Research (PIK))</i></p>	<p>Patrick Schulte (ZEW)</p> <p>ICT and Energy Use: Evidence from OECD Countries</p> <p><i>Discussant: Nikolaos Georgantzis</i> <i>(University of Granada)</i></p>
<p>Thomas Tangerås (Research Institute of Industrial Economics (IFN))</p> <p>National Renewable Policies in a Multinational Electricity Market</p> <p><i>Discussant: Bert Willems</i> <i>(Toulouse School of Economics, Tilec, CentER, Tilburg University)</i></p>	<p>Sebastian Strunz (Helmholtz Centre for Environmental Research – UFZ)</p> <p>A Public Choice View on the Climate and Energy Policy Mix in the EU</p> <p><i>Discussant: Veit Böckers (DICE)</i></p>	<p>Fatih Cemil Özbuğday (Tilburg University)</p> <p>Industrialization, Energy Efficiency, Renewable Resources and CO₂ Emissions: A Heterogeneous Panel Data Analysis</p> <p><i>Discussant: Patrick Schulte (ZEW)</i></p>
<p>Luciano De Castro (Kellogg School of Management, Northwestern University)</p> <p>On the Design of Electricity Markets</p> <p><i>Discussant: Thomas Tangerås</i> <i>(Research Institute of Industrial Economics (IFN))</i></p>	<p>Niall Farrell (Economic and Social Research Institute, Dublin)</p> <p>Specifying an Efficient Renewable Energy Feed-in Tariff</p> <p><i>Discussant: Philipp Biermann</i> <i>(University of Oldenburg)</i></p>	<p>Nikolaos Georgantzis (University of Granada)</p> <p>An Experiment on Energy-Saving Competition With Socially Responsible Consumers: Opening The Black Box</p> <p><i>Discussant: Fatih Cemil Özbuğday</i> <i>(Tilburg University)</i></p>