

# 8<sup>th</sup> Mannheim Energy Conference

Mannheim, May 6/7, 2019

Conference venue: ZEW, L 7, 1, 68161 Mannheim

## PROGRAMME

Monday, May 6, 2019

09:00 – 09:45	Arrival and Registration	
09:45 – 10:00	Room Luxemburg	
	<b>Welcome Address</b>	
	<i>Martin Kesternich, ZEW Mannheim</i>	
10:00 – 11:00	Room Luxemburg	
Keynote Lecture	<b>Designing Renewable Energy Support Policies for Carbon Mitigation</b>	
	<i>Sebastian Rausch, ETH Zurich</i>	
	Chair: Martin Kesternich, ZEW Mannheim	
11:00 – 11:15	Coffee Break	
11:15 – 12:45	Room Luxemburg	Room Straßburg
	<b>Parallel Session IA: Environmental Policies and Firm Behavior</b>	<b>Parallel Session IB: Electricity Markets I</b>
	Chair: Marita Laukkanen, VATT Institute for Economic Research	Chair: Bert Willems, Tilburg University / Toulouse University
	<b>Firms' Export Responses to Energy Price Variation</b>	<b>Cournot Competition in Wholesale Electricity Markets: The Nordic Power Exchange, Nord Pool</b>
	<i>Damian Dussaux, MINES ParisTech, PSL University</i>	<i>Thomas Tangeras, Research Institute of Industrial Economics (IFN)</i>
	Discussant: Beat Hintermann	Discussant: Imelda
	<b>The Impact of the EU ETS on Productivity and Markups in the German Manufacturing Sector</b>	<b>Variable Pricing and the Cost of Renewable Energy</b>
	<i>Beat Hintermann, University of Basel</i>	<i>Imelda, Universidad Carlos III de Madrid</i>
	Discussant: Marita Laukkanen	Discussant: Bert Willems
	<b>Energy Taxes and Manufacturing Firm Performance: Evidence from Finland's Green Tax Reform</b>	<b>Multi-product Supply Function Equilibria</b>
	<i>Marita Laukkanen, VATT Institute for Economic Research</i>	<i>Bert Willems, Tilburg University / Toulouse University</i>
	Discussant: Damian Dussaux	Discussant: Thomas Tangeras
12:45 – 13:30	Lunch Break	

13:30 – 14:30	Room Luxemburg	<b>Long-Term Resource Adequacy with Intermittent Renewables</b> <i>Frank Wolak, Stanford University</i> Chair: Sebastian Voigt, ZEW Mannheim
14:30 – 14:45	Coffee Break	
14:45 – 16:15	Room Luxemburg	Room Straßburg
	<b>Parallel Session IIA: Emissions Trading Schemes</b> Chair: Rüdiger Pethig, University of Siegen	<b>Parallel Session IIB: Environmental Regulation and Power Generation</b> Chair: Puja Singhal, Berlin School of Economics & DIW Berlin
	<b>On the Performance of the Different Components of the EU ETS MSR</b> <i>Michael Pahle, Potsdam Institute for Climate Impact Research</i> Discussant: Oliver Schenker	<b>Emission Impacts of Overlapping Regulation: Interactions of Renewable Energy Promotion and Carbon Pricing</b> <i>Mirjam Kosch, ZHAW - Zurich University of Applied Sciences</i> Discussant: Harim Kim
	<b>Capital Tax Competition under a Centralized Emission Cap</b> <i>Oliver Schenker, Frankfurt School of Finance &amp; Management</i> Discussant: Rüdiger Pethig	<b>Cleaner but Volatile Energy? The Effect of Coal Plant Retirement on Market Competition in the Wholesale Electricity Market</b> <i>Harim Kim, University of Mannheim</i> Discussant: Puja Singhal
	<b>Phase-out of "Coal to Power" in an ETS</b> <i>Rüdiger Pethig, University of Siegen</i> Discussant: Michael Pahle	<b>Are Emission Performance Standards Effective on Pollution Control? Evidence from the EU's Large Combustion Plant Directive</b> <i>Puja Singhal, Berlin School of Economics &amp; DIW Berlin</i> Discussant: Mirjam Kosch
16:15 – 16:30	Coffee Break	
16:30 – 17:30	Room Luxemburg	Room Straßburg
	<b>Parallel Session IIIA: Time Series Analyses</b> Chair: Claire Gavard, ZEW Mannheim	<b>Parallel Session IIIB: Fracking</b> Chair: Andrew Steck, University of Toronto
	<b>Macroeconomic Time-Series Evidence that Energy Efficiency Improvements do not save Energy</b> <i>Stephan Bruns, University of Hasselt</i> Discussant: Claire Gavard	<b>Fracking and Health-Related Absenteeism of Employees</b> <i>Nicole Wägner, DIW Berlin</i> Discussant: Andrew Steck
	<b>Impact of International Carbon Credits on the Returns and Volatilities in Regular Emissions Trading Schemes</b> <i>Claire Gavard, ZEW Mannheim</i> Discussant: Stephan Bruns	<b>Learning by Viewing? Social Learning, Regulatory Disclosure, and Firm Productivity in Shale Gas</b> <i>Andrew Steck, University of Toronto</i> Discussant: Nicole Wägner
18.15	Gathering at ZEW courtyard	
19:00	Conference Dinner at the Kulturbrauerei Heidelberg	

# 8<sup>th</sup> Mannheim Energy Conference

Mannheim, May 6/7, 2019

Conference venue: ZEW, L 7, 1, 68161 Mannheim

## PROGRAMME

Tuesday, May 7, 2019

09:00 – 09:15	Room Luxemburg <b>Welcome Address</b> <i>Achim Wambach, ZEW Mannheim</i>	
09:15 – 10:45	Room Luxemburg <b>Parallel Session IVA: Household Energy Demand</b> Chair: Lukas Tomberg, RWI – Leibniz-Institut für Wirtschaftsforschung	Room Straßburg <b>Parallel Session IVB: Carbon Pricing</b> Chair: Jan Abrell, ZHAW - Zurich University of Applied Sciences
	<b>Modeling Household Fuel Choice and Use: A Multiple Discrete-continuous Choice Framework</b> <i>Aemiro Melkami Daniel, Umeå University</i> Discussant: Teresa Randazzo	<b>The Effects of a Carbon Tax</b> <i>Laura Grant, Claremont McKenna</i> Discussant: Marion Leroutier
	<b>Climate Change Impacts on Household Electricity Expenditure: The Contribution of Air Conditioning in OECD Countries</b> <i>Teresa Randazzo, Ca' Foscari University of Venice</i> Discussant: Lukas Tomberg	<b>The Impact of the UK Carbon Price Floor on CO<sub>2</sub></b> <i>Marion Leroutier, Paris School of Economics and CIRED</i> Discussant: Jan Abrell
	<b>Can you make a Difference? Locus of Control Beliefs and the Voluntary Provision of Public Goods</b> <i>Lukas Tomberg, RWI - Leibniz-Institut für Wirtschaftsforschung</i> Discussant: Aemiro Melkami Daniel	<b>How Effective was the UK Carbon Tax? - A Machine Learning Approach to Policy Evaluation</b> <i>Jan Abrell, ZHAW - Zurich University of Applied Sciences</i> Discussant: Laura Grant
10:45 – 11:45 Keynote Lecture	Room Luxemburg <b>The Industrial Organization of Energy Efficiency Markets</b> <i>Matthieu Glachant, MINES ParisTech</i> Chair: Sven Heim, MINES ParisTech & ZEW Mannheim	
11:45 – 12:45	Lunch Break	

12:45 – 14:15	Room Luxemburg	Room Straßburg
	<b>Parallel Session VA: Energy Efficiency</b> Chair: Boryana Madzharova, University of Erlangen-Nuremberg	<b>Parallel Session VB: Electricity Markets II</b> Chair: Stefan Lamp, Toulouse School of Economics
	<b>Treatment Spillovers of Energy Efficiency Policies in the Indian Cement Sector</b> <i>Ashish Tyagi, Frankfurt School of Finance &amp; Management</i> Discussant: Andreas Gerster	<b>Capacity Mechanisms and the Technology Mix in Competitive Electricity Markets</b> <i>Pär Holmberg, Research Institute of Industrial Economics (IFN)</i> Discussant: Silvester van Koten
	<b>Information Provision for Residential Energy Conservation</b> <i>Andreas Gerster, University of Mannheim</i> Discussant: Boryana Madzharova	<b>Forward Premia in Electricity Markets - an Experimental Investigation</b> <i>Silvester van Koten, University of Economics Prague</i> Discussant: Stefan Lamp
	<b>Subsidies for Energy Efficient Appliances: Program Design and Consumer Response</b> <i>Boryana Madzharova, University of Erlangen-Nuremberg</i> Discussant: Ashish Tyagi	<b>(Mis)allocation of Renewable Energy Sources</b> <i>Stefan Lamp, Toulouse School of Economics</i> Discussant: Pär Holmberg
14:15 – 14:45	Coffee Break	
14:45 – 15:45 Keynote Lecture	Room Luxemburg	
	<b>Beyond the Clean Power Plan: Innovations in US Climate Policy for Electricity</b> <i>Karen Palmer, Resources for the Future</i> Chair: Ulrich Wagner, University of Mannheim & ZEW Mannheim	
15:45 – 16:00	Coffee Break	

16:00 – 17:30

Room Luxemburg

**Parallel Session VIA:** Electricity Markets and Technology

Chair: Christopher Roberts, KTH Royal Institute of Technology

**The Economics of Reversible Power-to-Gas**

*Gunther Glenk, University of Mannheim & TU Munich*

Discussant: Gloria Colmenares

**Market-to-aggregator Portfolio Interplay**

*Gloria Colmenares, WWU Münster*

Discussant: *Christopher Roberts*

**Drivers to Renewable Energy Technologies**

*Christopher Roberts, KTH Royal Institute of Technology*

Discussant: Gunther Glenk

Room Straßburg

**Parallel Session VIB:** Transport Decarbonization

Chair: Florian Landis, ETH Zurich

**What Role for EV's in the Decarbonization of the Car Transport Sector in Europe?**

*Christina Littlejohn, ifo Institute*

Discussant: Jeremy Van Dijk

**The Impact of Electric Vehicle Charging Infrastructure on Electric Vehicle Adoption: Evidence from Norway**

*Jeremy Van Dijk, University of Neuchatel*

Discussant: Florian Landis

**Policy Instrument Choice with Co-Benefits: The Case of Decarbonizing Transport**

*Florian Landis, ETH Zurich*

Discussant: Christina Littlejohn

17:30

Farewell Drinks & Pretzels