

9th Mannheim Conference on Energy and the Environment

20 – 21 May 2021, Mannheim · Conference venue: online · Time zone: CET (Germany) Conference link: <u>https://bit.ly/3dWk7MQ</u>

PROGRAMME			THURSDAY, 20 MAY 2021
10:15 - 10:30	OPENING REMARKS		
10:30 - 12:00	IA: ELECTRICITY MARKETS I	IB: CARBON PRICING I	IC: RESIDENTIAL ENERGY EFFICIENCY I
12:00- 13:30	LUNCH BREAK		
13:30 - 14:30	KEYNOTE I: ERIK VERHOEF (V	RIJE UNIVERSITEIT AMSTERDA	M)
14:30 – 16:00	IIA: FIRMS AND THE ENVIRONMENT	IIB: TRANSPORTATION AND POLICIES I	IIC: INNOVATION
16:00 – 17:30	IIIA: ELECTRICITY MARKETS II	IIIB: CARBON PRICING II	IIIC: INDUSTRIAL ENERGY EFFICIENCY
17:30 - 18:30	KEYNOTE II: ASHLEY LANGER	(UNIVERSITY OF ARIZONA)	

PROGRAMME			FRIDAY, 21 MAY 2021
10:30 - 12:00	IVA: RENEWABLES AND REGIONAL ELECTRICITY	IVB: TRANSPORTATION AND POLICIES II	IVC: RESIDENTIAL ENERGY EFFICIENCY II
12:00- 13:30	LUNCH BREAK		
13:30 - 14:30	KEYNOTE III: CHRISTIANE BAUMEISTER (UNIVERSITY OF NOTRE DAME)		
14:30 – 16:00	VA: GREEN FINANCE	VB: TRANSPORTATION AND POLLUTION	VC: RESIDENTIAL ENERGY EFFICIENCY III
16:00 – 17:30	VIA: ELECTRICITY MARKETS	VIB: CLIMATE POLICY	VIC: CARBON LEAKAGE
17:30 - 18:30	KEYNOTE IV: KENNETH GILLINGHAM (YALE UNIVERSITY)		



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10:15 - 10:30	OPENING REMARKS		
10:30 – 12:00	SESSION IA: ELECTRICITY MARKETS I Chair: Anette Boom	SESSION IB: CARBON PRICING I Chair: Jan Abrell	SESSION IC: RESIDENTIAL ENERGY EFFICIENCY I Chair: Kathrin Kaestner
	STORING POWER: MARKET STRUCTURE MATTERS David Andrés-Cerezo and Natalia Fabra Discussant: Anette Boom	CARBON PRICING AND EMISSIONS: CAUSAL EFFECTS OF BRITAIN'S CARBON TAX Klaus Gugler, Adhurim Haxhimusa and <u>Mario Liebensteiner</u> Discussant: Jan Abrell	ESTIMATING THE IMPACT OF ENERGY EFFICIENCY ON HOUSING PRICES IN GERMANY: DOES REGIONAL DISPARITY MATTER? Lisa Taruttis and Christoph Weber Discussant: Kathrin Kaestner
	COMPETITION FOR FLEXIBLE DISTRIBUTION RESOURCES IN A 'SMART' ELECTRICITY DISTRIBUTION NETWORK Thomas Tangeras Discussant: David Andrés-Cerezo	THE JOINT IMPACTS OF CARBON PRICING AND RENEWABLE GENERATION ON FOSSIL GENERATION PROFITS IN GERMANY James B. Bushnell, <u>Christian Gambardella</u> , Kevin Novan and Michael Pahle Discussant: Mario Liebensteiner	SUPPORTING RESIDENTIAL ENERGY CONSERVATION UNDER CONSTRAINED PUBLIC BUDGET: COST-EFFECTIVENESS AND REDISTRIBUTION ANALYSIS Bettina Chlond, <u>Claire Gavard</u> and Lisa Jeuck Discussant: Lisa Taruttis
	IS REAL-TIME PRICING SMART FOR CONSUMERS? Anette Boom and Sebastian Schwenen Discussant: Thomas Tangeras	THE IMPACT OF CARBON PRICES ON RENEWABLE ENERGY SUPPORT Jan Abrell and Mirjam Kosch Discussant: Christian Gambardella	PHOTOVOLTAICS AND THE SOLAR REBOUND: EVIDENCE FROM GERMANY Manuel Frondel, <u>Kathrin Kaestner</u> , Stephan Sommer and Colin Vance Discussant: Claire Gavard

12:00 – 13:30 LUNCH BREAK



13:30 – 14:30	KEYNOTE I: TRADABLE MOBILITY PERMITS Erik Verhoef (Vrije Universiteit Amsterdam) Chair: Martin Kesternich		
14:30 – 16:00	SESSION IIA: FIRMS AND THE ENVIRONMENT Chair: Jakob Lehr	SESSION IIB: TRANSPORTATION AND POLICIES I Chair: Doina Radulescu	SESSION IIC: INNOVATION Chair: Johannes Rode
	MANAGEMENT PRACTICES AND CLIMATE POLICY IN CHINA Soo Keong Yong, <u>Ulrich Wagner</u> , Peiyao Shen, Laure de Preux, Mirabelle Muuls, Ralf Martin and Jing Cao Discussant: Jakob Lehr	HOW TO BE A GOOD FORERUNNER IN CARBON NEUTRAL TRUCKING Christina Littlejohn and <u>Stef Proost</u> Discussant: Doina Radulescu	HOW DO CONSUMERS APPROACH A NEW PRODUCT? THE CASE OF REAL-TIME ELECTRICITY PRICING IN NEW ZEALAND Charles Pébereau and Kevin Remmy Discussant: Johannes Rode
	CLIMATE PROTECTION POTENTIALS OF DIGITALIZED PRODUCTION PROCESSES: MICROECONOMETRIC EVIDENCE? Janna Axenbeck and Thomas Niebel Discussant: Ulrich Wagner	COLLUDING AGAINST ENVIRONMENTAL REGULATION Jorge Ale-Chilet, Cuicui Chen, Jing Li and <u>Mathias Reynaert</u> Discussant: Stef Proost	PATENTS AS OPTIONS: ESTIMATING TECHNOLOGICAL GAINS AND LOSSES FROM INTERNATIONAL ENVIRONMENTAL AGREEMENTS Albert Roger Discussant: Charles Pébereau
	ENERGY TAX EXEMPTIONS AND FIRMS' MARKUPS Jakob Lehr Discussant: Janna Axenbeck	WELFARE, REDISTRIBUTIVE AND REVENUE EFFECTS OF POLICIES PROMOTING FUEL EFFICIENT AND ELECTRIC VEHICLES Patrick Bigler and <u>Doina Radulescu</u> Discussant: Mathias Reynaert	I SPOT, I ADOPT! PEER EFFECTS AND VISIBILITY IN SOLAR PHOTOVOLTAIC SYSTEM Johannes Rode and Sven Müller Discussant: Albert Roger



16:00 – 17:30 SESSION IIIA: ELECTRICITY MARKETS II Chair: Peter Cramton

BIDDING AND INVESTMENT IN WHOLESALE ELECTRICITY MARKETS: PAY-AS-BID VERSUS UNIFORM-PRICE AUCTIONS

Bert Willems and <u>Yueting Yu</u> Discussant: Peter Cramton

RENEWABLE VERSUS TRADITIONAL POWER GENERATION: THE STATE OF THE RACE

<u>Gunther Glenk</u> and Stefan Reichelstein Discussant: Yueting Yu

SESSION IIIB: CARBON PRICING II Chair: Yuting Yang

OVERLAPPING CLIMATE POLICIES

Grischa Perino, <u>Robert A. Ritz</u> and Arthur A. van Benthem Discussant: Yuting Yang

CARBON PRICE FLOORS AND LOW-CARBON INVESTMENT: A SURVEY OF GERMAN FIRMS

<u>Nils Ohlendorf</u>, Christian Flachsland, Gregory F. Nemet and Jan Christoph Steckel Discussant: Robert A. Ritz

SESSION IIIC: INDUSTRIAL ENERGY EFFICIENCY Chair: Elisa Rottner

ENERGY TAX EXEMPTIONS AND INDUSTRIAL PRODUCTION

Andreas Gerster and <u>Stefan Lamp</u> Discussant: Elisa Rottner

REGULATING CONGLOMERATES: EVIDENCE FROM AN ENERGY CONSERVATION PROGRAM IN CHINA

Qiaoyi Chen, Zhao Chen, Zhikuo Liu, <u>Juan</u> <u>Carlos Suàrez Serrato</u> and Daniel Yi Xu Discussant: Stefan Lamp

ELECTRICITY MARKETS IN TRANSITION – A MULTI-DECADE MICRO-MODEL OF ENTRY AND EXIT IN ADVANCED WHOLESALE MARKETS

<u>Peter Cramton</u>, Emmanuele Bobbio, David Malec and Pacharasut Sujarittanonta Discussant: Gunther Glenk

UNILATERAL CARBON POLICIES AND ELECTRICITY TRADE

Stefan Ambec and <u>Yuting Yang</u> Discussant: Nils Ohlendorf

WHAT DRIVES CARBON EMISSIONS IN GERMAN MANUFACTURING: SCALE, TECHNIQUE OR COMPOSITION?

<u>Elisa Rottner</u> and Kathrine von Graevenitz Discussant: Juan Carlos Suàrez Serrato

17:30 – 18:30 KEYNOTE II: WHAT WERE THE ODDS? ESTIMATING THE MARKET'S PROBABILITY OF UNCERTAIN EVENTS Ashley Langer (University of Arizona) Chair: Ulrich Wagner



PROGRAMME

FRIDAY, 21 MAY 2021

10:30 - 12:00	SESSION IVA: RENEWABLES AND REGIONAL ELECTRICITY Chair: Sven Heim	SESSION IVB: TRANSPORTATION AND POLICIES II Chair: Marita Laukkanen	SESSION IVC: RESIDENTIAL ENERGY EFFICIENCY II Chair: Anne Kesselring
	WIND OF CHANGE IN THE REGION: IS REGIONAL IDENTITY, REGIONAL BENEFITS, OR REGIONAL ENERGY INFRASTRUCTURE BOOSTING PREFERENCES FOR REGIONAL ELECTRICITY PRODUCTS? Elke Groh Discussant: Sven Heim	INDIVIDUAL MOBILITY, MODE CHOICE AND THE EFFECTS OF PUBLIC TRANSPORT SUBSIDIES: EVIDENCE FROM A RANDOMIZED CONTROLLED TRIAL Mark A. Andor, Andreas Gerster and <u>Marco Horvath</u> Discussant: Marita Laukkanen	SUBSIDIZING APPLIANCE REPLACEMENT IN LOW-INCOME HOUSEHOLDS Bettina Chlond, Timo Goeschl and Martin Kesternich Discussant: Anne Kesselring
	THE ECONOMIC COSTS OF NYMBYISM – EVIDENCE FROM RENEWABLE ENERGY PROJECTS Stephen Jarvis Discussant: Elke Groh POLICY SUPPORT FOR RENEWABLE ENERGY:	CASH-FOR-CLUNKERS FINLAND: EVALUATING EFFECTS ON VEHICLE FLEET CO2 INTENSITY WITH HOUSEHOLD-LEVEL DATA Marita Laukkanen and Anna Sahari Discussant: Marco Horvath	RAISING ENERGY EFFICIENCY OR DISTORTING CONSUMER CHOICE? MINIMUM STANDARDS IN THE MARKET FOR HOUSEHOLD APPLIANCES Thiess Buettner and <u>Anne Kesselring</u> Discussant: Bettina Chlond

THE CASE OF WIND POWER

12:00 – 13:30 LUNCH BREAK

Robert Germeshausen, <u>Sven Heim</u> and Ulrich Wagner Discussant: Stephen Jarvis

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- 13:30 14:30 KEYNOTE III: ENERGY MARKETS AND THE COVID-19 PANDEMIC Christiane Baumeister (University of Notre Dame) Chair: Kathrine von Graevenitz
- 14:30 16:00 SESSION VA: GREEN FINANCE Chair: Angelika Vogt

INSTITUTIONAL INVESTORS, CLIMATE POLICY RISK, AND DIRECTED INNOVATION

Marie-Theres von Schickfus Discussant: Angelika Vogt

SESSION VB: TRANSPORTATION AND POLLUTION Chair: Mariza Montes de Oca

LOW EMISSION ZONES AND TRAFFIC CONGESTION: EVIDENCE FROM MADRID CENTRAL

Filippo Tassinari Discussant: Mariza Montes de Oca

BANKING ON THE ENVIRONMENT? FINANCIAL FRICTIONS, FIRM MANAGEMENT, AND GREEN INVESTMENTS

Ralph De Haas, Ralf Martin, <u>Mirabelle Muuls</u> and Helena Schweiger Discussant: Marie-Theres von Schickfus

ENDOGENOUS CLIMATE POLICY, SYSTEMIC RISK AND ASSET STRANDING

Achim Hagen, Niko Jaakkola and <u>Angelika Vogt</u> Discussant: Mirabelle Muuls

TACKLING TRANSPORT-INDUCED POLLUTION IN CITIES: A CASE STUDY IN PARIS

<u>Marion Leroutier</u> and Philippe Quirion Discussant: Filippo Tassinari

SESSION VC: RESIDENTIAL ENERGY EFFICIENCY III Chair: Madeline Werthschulte

INFORM ME WHEN IT MATTERS: COST SALIENCE, ENERGY CONSUMPTION AND EFFICIENCY INVESTMENTS

Puja Singhal Discussant: Madeline Werthschulte

WHEN NUDGES FAIL TO SCALE: FIELD EXPERIMENTAL EVIDENCE FROM GOAL SETTING ON MOBILE PHONES

Andreas Löschel, Matthias Rodemeier and <u>Madeline Werthschulte</u> Discussant: Puja Singhal

THE EFFECTS OF AIR QUALITY ALERTS ON AVOIDANCE BEHAVIOR: EVIDENCE FROM NEW YORK CITY TRANSPORTATION NETWORK

<u>Mariza Montes de</u> Oca and Luis Sarmiento Discussant: Marion Leroutier



16:00 – 17:30	SESSION VIA: ELECTRICITY MARKETS III Chair: Mirjam Kosch	SESSION VIB: CLIMATE POLICY Chair: Edson Severini	SESSION VIC: CARBON LEAKAGE Chair: Vincent Thiverge
	THE ZONAL AND SEASONAL CO2 MARGINAL EMISSIONS FACTORS FOR THE ITALIAN POWER MARKET Filippo Beltrami, Fulvio Fontini, Monica Giulietti and Luigi Grossi Discussant: Mirjam Kosch	GREEN GOVERNMENTS <u>Niklas Potrafke</u> and Kaspar Wütherich Discussant: Edson Severini	COURNOT, PIGOU, AND RICARDO WALK IN A BAR – UNILATERAL ENVIRONMENTAL POLICY, LEAKAGE, MARKET POWER AND FIRM HETEROGENEITY Claudio Baccianti and <u>Oliver Schenker</u> Discussant: Vincent Thiverge
	SIMPLIFIED MARKET MECHANISMS FOR NON- CONVEX MARKETS: EVIDENCE FROM ITALIAN ELECTRICITY MARKETS Christoph Graf, Federico Quaglia and Frank A. Wolak Discussant: Filippo Beltrami	A UNIFYING APPROACH TO MEASURING CLIMATE CHANGE IMPACTS AND ADAPTATION Antonio M. Bento, Noah Miller, Mehreen Mookerjee and <u>Edson Severini</u> Discussant: Niklas Potrafke	INTRAFIRM LEAKAGE Felix Samy Soliman Discussant: Oliver Schenker
	THE CROSS-BORDER MERIT-ORDER EFFECT: IMPACT OF GERMAN RENEWABLE PROMOTION ON NEIGHBOURING COUNTRIES Jan Abrell and <u>Mirjam Kosch</u>		DO CARBON TARIFFS REDUCE GREENHOUSE GAS EMISSIONS? EVIDENCE FROM TRADE TARIFFS Vincent Thiverge

Discussant: Felix Samy Soliman

17:30 – 18:30 KEYNOTE V: THE ECONOMICS OF ELECTRIC VEHICLE POLICIES: THE PROMISE AND POTENTIAL PITFALLS Kenneth Gillingham (Yale University) Chair: Sebastian Rausch

Discussant: Christoph Graf