



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Centre for Energy Policy and Economics
Swiss Federal Institutes of Technology

EMEE 2024 - 15th International Workshop on "Empirical Methods in Energy Economics"

January 25-26, 2024

Centre for Energy Policy and Economics (CEPE)
ETH Zurich

The 15th International Workshop on Empirical Methods in Energy Economics will be held at CEPE in Zurich on **January 25-26, 2024**. It is intended as a forum for the development and application of empirical methods in energy economics. Details on previous workshops, along with information about joining the EMEE Network, can be found on the **EMEE webpage (www.emee.ethz.ch)**.

To foster a lively debate and a comprehensive exchange of ideas about new empirical research in energy economics, the 2024 workshop will allow time for a full presentation and discussion of each contribution. All sessions are plenary (no concurrent presentations) to ensure the workshop participants' attendance at all presentations.

Conference Venue

ETH Zurich, Room ETZ E6
Gloriastrasse 35
8092 Zürich

Social Dinner

Commihalle
Stampfenbachstrasse 8
8002 Zürich



WORKSHOP AGENDA

Thursday, January 25th, 2024

8.15 – 8.45 *Participants Registration*

8.45 – 9.00 **Welcome and Introduction**
Massimo Filippini, EMEE Network Coordinator and CEPE, ETH Zurich, and USI

9.00 – 10.30 **Session 1**
Chair: Massimo Filippini, ETH Zurich
(40 minutes each)

Shuang Zhang, Imperial College London
Do Consumers Distinguish Fixed Cost from Variable Cost? “Schmeduling” in Two-Part Tariffs in Energy

Cloé Garnache, University of Oslo
Household response to peak electricity pricing: Evidence from a large-scale field experiment

10.30 – 11.00 *Coffee Break*

11.00 – 12.30 **Session 2**
Chair: Anna Alberini, University of Maryland
(40 minutes each)

Suchita Srinivasan, ETH Zurich
Development Policy and Adaptation to Extreme Weather Evidence from South Africa

Edson Severini, Carnegie Mellon, IZA & NBER
Price Stabilization Policy, Gasoline Consumption, and Health Externality: Evidence from Brazil

12.30 – 13.30 *Networking Lunch at Alchimedés*

13.30 – 15.00 **Session 3**

*Chair: Davide Cerruti, ETH Zurich
(40 minutes each)*

Marten Ovaere, Ghent University

The impact of peak demand charges and dynamic prices on electricity consumption: Quasi-experimental evidence from Flanders

Kenneth Gillingham, Yale University

Valuing Technology Complementarities: Rooftop Solar and Energy Storage

15.00 – 15.15 *Short Break*

15.15 – 15.55 **Egg-Timer session 1**

*Chair: Reinhard Madlener, RWTH Aachen University
(10 minutes each)*

Thomas Stoerk, National Bank of Belgium

The production network impacts of carbon pricing: innovation, productivity and greenhouse gas emissions

Andrius Kažukauskas, Vilnius University

Prosumers, energy conservation and behavioral interventions

Jaana Rahko, University of Vaasa

Vertical technology spillovers and the energy intensity of European industries

Justus Böning, KU Leuven

On the Effectiveness of Future Financial Benefits on PV Adoption - Evidence from Belgium

15.55 – 16.25 *Coffee Break*

16.25 – 17.55 **Session 4**

*Chair: Sébastien Houde, Faculty of Business and Economics
(40 minutes each)*

Marita Laukkanena, Tampere University

Vehicle replacement subsidies as a climate policy tool: evidence from microdata on vehicles and vehicle owners

Flora Marchioro, Università della Svizzera italiana

Impact of monetary incentives on the adoption of direct load control electricity tariffs by residential consumers

19.00 **Social dinner:** Commihalle

Friday, January 26th, 2024

8.00 – 9.30

Session 5

*Chair: Kenneth Gillingham, Yale University
(40 minutes each)*

Jevgenijs Steinbuks, The World Bank

Impact of Vertical Supply Disruptions on Misallocation of India's Electricity Generation

Anna Alberini, AREC, University of Maryland

Strong Price Signals: Residential Electricity Demand When The Price is Zero

9.30 – 10.00

Coffee Break

10.00 – 11.30

Session 6

*Chair: Shuang Zhang, Imperial College
(40 minutes each)*

Aurélien Saussay, London School of Economics

Supporting Solar: the Causal Impact of Subsidies on Domestic Photovoltaic Installations

Luca Citino, Bank of Italy

The effects of the 2021-2022 energy crisis on Italian industrial firms

11.30 – 11.45

Short Break

11.45 – 12.35

Egg-Timer session 2

*Chair: Marita Laukkanena, Tampere University
(10 minutes each)*

Jeon Woongchan, ETH Zurich

Credit Ratings and the Cost of Wildfires: Evidence from California School District Finances

Nicolas Astier, Paris School of Economics

Dynamic (Mis)allocation of Investments in Solar Energy

Kathrin Kaestner, Leibniz-Institut für Wirtschaftsforschung

The role of private good and public good aspects in information provision for willingness to pay: The case of programmable heating thermostats

Guillaume Wald, CERNA, Mines Paris – PSL

The Effect of Energy Efficiency Obligations (EEOs) on Residential Energy Use: Empirical Evidence from France

Lisa Ryan, University College Dublin

Consumers' preferences for homegrown renewable electricity in Ireland: Role of electricity origin, place identity and green consumer values

12.35 – 13.35 *Networking Lunch at Alchimedea*

13.35 – 14.50 **Short Presentations**

*Chair: Davide Cerruti, ETH Zurich
(15 minutes each)*

Sangeeta Bansal, Jawaharlal Nehru University

Perform, Achieve and Trade: Impact of Energy Intensity Regulation in India on Total Factor Productivity Growth and Energy Consumption

Mohammad Morovati, Khatam University

The Response of Consumers to Unanticipated Gasoline Price Shocks in Iran

Begüm Özdemir Oluk, Eawag and University of St. Gallen

Demand for carbon-neutral products

Silvana Tiedemann, Hertie School

Identifying Elasticities in Autocorrelated Time Series Using Causal Graphs: An Application to Electricity Demand

Reinhard Madlener, RWTH Aachen University

Household Responses to the Tax Treatment of Income from Solar PV Feed-in in Germany

14.50 – 15.20 *Coffee break*

15.20 – 16.20 **Session 7**

*Chair: Cloé Garnache, University of Oslo
(15 minutes each)*

Ursa Bernardic, ETH Zurich

Increasing Electric Vehicle adoption with personalized nudging

Jūratė Jaraitė-Kažukauskė, University of Gothenburg

Vertical Integration in Tradable Green Certificate Markets

Davide Cerruti, ETH Zurich

Adoption of battery electric vehicles: the role of government incentives and solar PV

Sébastien Houde, HEC Lausanne

The Survival of the Energy Fittest: Evidence from French Manufacturing

16.20 – 16.30 **Concluding Remarks**