

EMEE 2025 - 16th International Workshop on "Empirical Methods in Energy Economics"

January 16-17, 2025

World Bank, J Building, 8th Floor, Room # 044 (J 8-044)

Workshop Agenda:

Day 1 **Thursday, January 16**

8:30 - 9:00 **Participants Registration**

9:00 - 9:10 **Welcome Remarks: Stephane Straub and Anna Alberini**
10 minutes

Session 1: Residential Energy Demand and Efficiency (Chair: Jevgenijs Steinbuks)

9:10 - 9:30 Dylan Brewer: *Estimating household energy efficiency using smart thermostat data*
20 minutes

9:30 - 9:50 Milan Ščasný: *Preferences for Demand Side Management and Value of Lost Load: A Multi-country Discrete Choice of Experiment*
20 minutes

9:50 - 10:00 Anna Alberini: *Energy Security and Its Co-benefits: Evidence from a Survey of German and French Homeowners*
10 minutes

10:00 - 10:10 Anna Broughel: *Full of Hot Air: Preferences for Energy-Efficient Heat Pump Financing in Three Southern States*
10 minutes

10:10 - 10:30 **Coffee Break (20 mins)**

Session 2: Technology and Renewables (Chair: Kenneth Gillingham)

10:30 - 11:10 Gaurav Doshi: *Regulatory Tradeoffs: How Local Policies Shape Solar and Wind Technology Adoption* | Discussant: Kenneth Gillingham
40 minutes

11:10 - 11:30 Itziar Lazkano: *Do EV Adoption Policies Drive Innovation in Energy Storage Technologies?*
20 minutes

11:30 - 11:40 Kalila Helen Mackenzie: *Estimating discount rates for low-carbon heating systems within income groups*
10 minutes (virtual presentation)

11:40 - 13:00 **Lunch Break (80 mins) | Location: MC Cafeteria**

Session 3: Energy and Development I (Chair: Govinda Timilsina)

13:00 - 13:20 J. Alejandro Lopez-Aguilar: *Subsidies for Domestic Technology Adoption under Heterogeneous Treatment Effects*
20 minutes

13:20 - 13:40 Erik Katovich: *Explosive Diversification: Organized Crime Adaptation to Mexico's Crackdown on Fuel Theft*
20 minutes

13:40 - 13:50 Hyoung-suk Shim: *Nested Logit Demand Estimation for Cookstoves and Cooking Fuels*
10 minutes

13:50 - 14:00 John Loeser: *Electrifying the last meter: Experimental evidence from Rwanda*
10 minutes

Session 4: Energy Transition I (Chair: Milan Ščasný)

14:00 - 14:20 Govinda R. Timilsina: *Environmental, Macroeconomic and Distributional Effects of Carbon Taxes in Nepal*
20 minutes

14:20 - 14:30 Vaios Triantafyllou: *Lost in the green transition: Foregone earnings for workers during the coal plant phase-out in Germany*
10 minutes

14:30 - 14:40 Guillaume WALD: *Making jobs out of the energy transition: Evidence from the French energy efficiency obligations scheme*
10 minutes

14:40 - 15:00 Megan R. Bailey: *Industry Exit and Externalities: Evidence from Coal Phaseout Programs and Climate Change*
20 minutes (virtual presentation)

15:00 - 15:20 **Coffee Break (20 mins)**

Session 5: Transport I (Chair: Erich Muehlegger)

15:20 - 15:40 Gabriel Facundes Monteiro: *Rust in Motion: Impacts of Brazil's Anti-Scrappage Policy Through Vehicle Ownership Tax*
20 minutes

15:40 - 16:00 Xianru Han: *Diesel Bans and Environmental Trade-Offs*
20 minutes

16:00 - 16:20 Massimo Filippini: *The Impact of Personalised Digital Information on the Efficiency of Vehicle Choices in Developing Countries*
20 minutes (virtual presentation)

Session 6: Energy Markets I (Chair: Anna Alberini)

16:20 - 17:00 Chenyu Yang: *An Empirical Analysis of the Interconnection Queue*
| Discussant: Jevgenijs Steinbuks
40 minutes

17:00 - 17:10 Maghira Ramadhani: *Digital Dispatch and Demand Response during Grid Emergencies: Evidence from Household Cooling in California's Flex Alerts*
10 minutes

17:10 - 17:20 José Eguiguren-Cosmelli: *The Cost of Regulation: Evidence from an Electricity Interconnection*
10 minutes

17:20 - 17:30 **Day 1 Wrap Up**

18:00 - 19:30 **Dinner | Location: MC Private Dining Room**

Day 2**Friday, January 17****Session 7: Oil and Gas Markets (Chair: Stephane Straub)**

- 9:00 - 9:40 Michael Plante: *Geopolitical Oil Price Risk and Economic Fluctuations*
| Discussant: Carolyn Fischer
40 minutes
- 9:40 - 9:50 Phuong Ho: *Regulating Routine Flaring: Theory and Evidence*
10 minutes
- 9:50 - 10:00 Guillermo Verduzco-Bustos: *The Effects of Geopolitical Oil Price Shocks*
10 minutes
- 10:00 - 10:10 Pritam Saha: *Effect of Investment Subsidies in the Oil Industry: Evidence from Norway*
10 minutes

10:10 - 10:30 **Coffee Break (20 mins)**

Session 8: Transport II (Chair: Antonio Bento)

- 10:30 - 10:50 Erich Muehlegger: *Shared Mobility, Congestion Externalities and Welfare*
20 minutes
- 10:50 - 11:10 Katalin Springel: *Pass-through and Incidence of U.S. Electric Vehicle Purchase Incentives*
20 minutes
- 11:10 - 11:30 Andre Ribeiro Cardoso: *Technology Innovation and Climate Change Mitigation: The case of Flex-Fuel cars in Brazil*
20 minutes

11:30 - 12:30 **Lunch Break (60 mins) | Location: MC Cafeteria**

Session 9: Energy Markets II (Chair: Edson Severnini)

- 12:30 - 13:10 Antonio Bento: *Why do inefficient policies persist? Evidence from Energy Markets*
| Discussant: Stephane Straub
40 minutes
- 13:10 - 13:20 Megan Lang: *Decentralized Markets for Electricity in Low-Income Countries*
10 minutes
- 13:20 - 13:30 Attilio Di Sabato: *Compensation rules in the Italian energy communities: an experimental approach*
10 minutes

Session 10: Energy and Development II (Chair: Michael Plante)

- 13:30 - 13:50 Edson Severnini: *Carbon Taxation and Firm Behavior in Emerging Economies: Evidence from South Africa*
20 minutes
- 13:50 - 14:10 Ayooluwa Adewole: *The Impact of Power Market Structures on Electricity Sector Outcomes: Cross-Country Evidence from 230 Economies*
20 minutes
- 14:10 - 14:20 Paolo Agnolucci: *The evolution and implications of national energy cost shares*
10 minutes
- 14:20 - 14:30 Deb Chattopadhyay: *What Would It Cost To Meet The Next Kilowatt of Peak Demand in China and India?*

10 minutes

14:30 - 14:50 *Coffee Break (20 mins)*

Session 11: Energy Transition II (Chair: Carolyn Fischer)

14:50 - 15:10 Qihui Hu: *Steel Mills Down: The Local Effects of Blast Furnace Closures on Air Quality, Jobs, and Infant Mortality*

20 minutes

15:10 - 15:30 Akshaya Jha: *The social lifecycle impacts of power plant siting in the historical United States*

20 minutes

15:30 - 15:50 Svetlana Ikonnikova: *Estimating Industrial Demand for Hydrogen: The Opportunity Cost Approach to the Clean Technology Analysis*

20 minutes

15:50 - 16:00 ***Closing Remarks and Workshop Wrap Up: Jevgenijs Steinbuks***

10 minutes

