

1st IAEE Online Conference

ENERGY, COVID AND CLIMATE CHANGE

7,8,9 June 2021

Concurrent Sessions Program

Conference organized with the support of



Academic partners



Monday, 7 June 2021

Sessions 1- 14

CEST Time 07:15 - 09:00

Tokyo Time 14:15 - 16:00

EDT 01:15AM - 03:00AM

Concurrent Session 1: Coal

Presided by: David Broadstock, *ESI, Singapore*

Roomchief: Marc-Olivier Metais

Presentations: Energy security of Poland and coal supply: price analysis, *Honorata Nyga-Łukaszewska, Kentaka Aruga, Katarzyna Stala-Szlugaj*.
Presenter: Kentaka Aruga, *Saitama University*

Cui bono? Explaining the persistence of public finance for coal-fired power plants overseas, *Niccolò Manych, Florian Egli, Nils Ohlendorf, Tobias Schmidt, Jan Steckel, Bjarne Steffen, Anna Stünzi*
Presenter: Niccolò Manych, *MCC Berlin*

A plant-level analysis of the employment and fiscal impacts of coal phase-out in China, *Alex Clark*
Presenter: Alex Clark, *University of Oxford*

Concurrent Session 2: Sustainable Development Goal

Presided by: Benoît Chèze, *IFPEN*

Roomchief: Francisco Santos

Presentations: Technoeconomic analysis of Indonesia generation expansion to achieve energy and economic sustainability, *Satria Putra Kanugrahan, Dzikri Firmansyah Hakam*

Presenter: Satria Putra Kanugrahan, *PT.PLN (Persero)*

Mega Conversion from LPG to Induction Stove to achieve Indonesia's Clean Energy Transition, *Dzikri Firmansyah Hakam*

Presenter: Dzikri Firmansyah Hakam, *PLN*

Nature of cooking fuel transition: Estimates from Indian households, *Jayshree Dutta, Santosh K Sahu*

Presenter: Jayshree Dutta, *IIT Madras*

Dynamic multi sector energy economic model for sustainable development in the electricity sector of Bangladesh, *Jubair Sied, Ryoichi Komiyama, Yasumasa Fujii*

Presenter: Jubair Sied, *The University of Tokyo*

Concurrent Session 3: Low Carbon Transitions

Presided by: Patrick Criqui, *U. Grenoble Alpes*

Roomchief: Yasmine Salehy

Presentations: Switch from fossil fuels to renewables requires battery metals – How should resource and environmental policies for mining industry be designed?, *Anni Huhtala, Olli Ropponen*

Presenter: Anni Huhtala VATT *Institute for Economic Research*

Research on the coordinated development of economy, energy and environment in the Yangtze river economic belt based on "three lines and one order" , *Xinjie Peng*

Presenter: Xinjie Peng, *China University of Geosciences(Wuhan)*

Energy transitions towards low carbon regions: a methodological proposal for sustainable energy systems design *Juan José Gil Fernández*

Presenter: Juan José Gil Fernández, *University of Santiago de Compostela*

Pathways towards a net-zero carbon emissions cement: a modelling-based approach integrating demand and supply, *Kimón Keramidas, Silvana MIMA, Adrien Bidaud*

Presenter: Kimón Keramidas, *European Commission/Université Grenoble-Alpes*

Concurrent Session 4: Investment Behavior and Energy Efficiency

Presided by: Aude Pommeret

Roomchief: Felipe Gonzalez

Presentations: Consumer Myopia in Vehicle Purchases: Evidence from a Natural Experiment, *Houde Sebastien, Kenneth Gillingham*
Presenter: Houde Sebastien, *Grenoble Ecole de Management*

Identifying Obstacles to Autonomous Energy Efficiency Improvement, *Akira Maeda, Makiko Nagaya*
Presenter: Akira Maeda, *The University of Tokyo*

Securitizing Energy Cost Savings: Accessing secondary capital to finance energy efficiency improvements, *Daniel Hill, Margarethe Rammerstorfer*
Presenter: Daniel Hill, *Vienna University of Economics and Business*

Concurrent Session 5: Photovoltaic

Presided by: Jean-Christophe Poudou, *Université de Montpellier*

Roomchief: Jean Hassler

Presentations: Rooftop solar PV: in whose interests ? *Bruce Mountain, Kelly Burns, Steven Percy*
Presenter: Bruce Mountain, *Victoria Energy Policy Centre*

On the potential of rooftop-PV as a household appliance with negative electricity demand – evidence from Austria, *Hans Auer, Bernadette Fina*
Presenter: Hans Auer *TU-Wien, Energy Economics Group (EEG)*

Concentrating solar power vs. photovoltaics - assessing the economics of storage solutions, *Franziska Schöniger, Richard Thonig, Gustav Resch, Johan Lilliestam*
Presenter: Franziska Schöniger, *Energy Economics Group, Vienna University of Technology*

Policy Development for Solar Water Heaters in the Mediterranean; a case study, *Olusola Bamisile, Lucille Aba Abruquah, SANDRA OBIORA, Tamas Csorda, Mustafa Dagbasi*
Presenter: Olusola Bamisile, *University of Electronic Science and Technology of China*

Concurrent Session 6: Electric Vehicle and Consumer Preferences

Presided by: Patrice Geoffron, *PSL*

Roomchief: Diego Cebreros

Presentations: Assessing consumer preferences for alternative fuel vehicles and autonomous driving technology, *Kentaro Yoshida, Kenshi Itaoka*
Presenter: Kentaro Yoshida, *Kyushu University*

Hedonic Pricing of Vehicle Characteristics, Safety and Equipment in the UK Car Market, *Filip Mandys*
Presenter: Filip Mandys, *University of Surrey*

Household Preferences for Electric and Hybrid Cars, *Doina Radulescu, Patrick Bigler*
Presenter: Patrick Bigler, *University of Bern*

Consumer preferences for innovative mobility concepts in Germany, *Kai Rommel, Julian Sagebiel*
Presenter: Kai Rommel, *International School of Management (ISM)*

Concurrent Session 7: Finance and Climate

Presided by: Duc Khuong Nguyen, *IPAG*

Roomchief: Maria Juliana

Presentations: The effects of natural disasters on renewable energy finance, *Maria Apergi*
Presenter: Maria Apergi, *Institute of Advanced Sustainability Studies*

Green finance and climate policy, *Julien Daubanes, Jean-Charles Rochet*
Presenter: Julien Daubanes, *University of Geneva*

Green Bond Policies in Asia, *Dina Azhgaliyeva, Zhanna Kapsalyamova*
Presenter: Dina Azhgaliyeva, *ADB Institute*

How to measure financial market efficiency? A quantitative evaluation of higher order dependencies - the case of the European carbon market, *Marc Gronwald, Cristina Sattarhoff*
Presenter: Marc Gronwald, *Xi'an Jiaotong-Liverpool University (XJTLU)*

Concurrent Session 8: Nuclear Cost Economics

Presided by: Victor Nian, *ESI*

Roomchief: Fawaz Salihou

Presentations: SMR-Concepts ("Small Modular Reactors")– A System Good Analysis of Producing, Providing, and Financing Nuclear Power with Low Capacities, *Jens Leonard Friedrich Kirschner, Ben Wealer, Christian von Hirschhausen*
Presenter: Jens Leonard Friedrich Kirschner *Berlin University of Technology*

Public attitudes towards nuclear power and climate change: UK-Japan comparison after ten years of Fukushima nuclear accident, *Toru Hattori, Reiko Kuwagaki*
Presenter: Toru Hattori *Central Research Institute of Electric Power Industry*

Concurrent Session 9: Energy Poverty

Presided by: Paola Valbonesi

Roomchief: Wale Arowolo

Presentations: Energy Consumption Behaviour of Indian Households: An application of LA-AIDS , *Pooja Sankhyayan, Shyamasree Dasgupta*
Presenter: Pooja Sankhyayan, *Indian Institute of Technology Mandi*

Electrifying Nigeria: the Household-Level Impact of Access to Electricity on Consumption, Education and Employment, *Enrico Nano*
Presenter: Enrico Nano, *Graduate Institute of International and Development Studies*

Empirical investigation of energy poverty in Japan - Comparison of households in Tokyo and Beppu city, *Amin Nazarahari, Behrooz Asgari, Koji Tokimatsu*
Presenter: Amin Nazarahari, *Tokyo Institute of Technology*

Determinants, Persistence and Dynamics of Energy Poverty: An Empirical Assessment Using German Household Survey Data, *Benedikt Janzen, Katharina Drescher*
Presenter: Benedikt Janzen, *University of Bern*

Concurrent Session 10: Ownership Structures and Firms Strategies

Presided by: Dawud Ansari, *DIW Berlin*

Roomchief: Theotime Coudray

Presentations: Drivers of cross-border merger and acquisition transactions in the upstream oil and gas industry, *Sevkat Ozgur*
Presenter: Sevkat Ozgur, *University of Vienna*

Who refines and why: disentangling investment decision from countries and companies, *MASSOL Olivier, Quentin Hoarau, Arthur Thomas*
Presenter: Quentin Hoarau, *CentraleSupélec*

Going downstream: an economical option for oil and gas exporting countries? , *Hussein Moghaddam, Hamed Ghoddusi*
Presenter: Hussein Moghaddam, *Gas Exporting Countries Forum*

Concurrent Session 11: Energy Planning and Sustainability

Presided by: Fabienne Salaun, *EDF*

Roomchief: Gaby Abdel Nour

Presentations: Facing climate change: Does Switzerland have enough water?, *Juan Esteban Martinez Jaramillo, Ann van Ackere, Erik R Larsen*
Presenter: Juan Esteban Martinez Jaramillo, *Université de Lausanne*

Beyond aggregated damage functions in an integrated assessment model, *Koji Tokimatsu*
Presenter: Koji Tokimatsu, *Tokyo Institute of Technology*

Research on methodology for the deep decarbonisation of the economy , *Egidijus Norvaisa, Arvydas Galinis, Eimantas Neniškis*
Presenter: Egidijus Norvaisa, *Lithuanian Energy Institute*

Cool the future with solar PV?, *Xiaoming Kan*
Presenter: Xiaoming Kan, *Chalmers University of Technology*

Concurrent Session 12: Green Innovation

Presided by: Lucas Desport

Roomchief: Léa Crépin

Presentations: Optimal Mix of Policy Instruments and Green Technology Transitions,
Prudence Dato, Frank Krysiak
Presenter: Prudence Dato *University of Basel*

Can Technologies Mitigate the Risk of Fossil Fuel Assets Being Stranded in the Power Sector? , *Yangsiyu Lu, Francois Cohen, Alexander Pfeiffer*
Presenter: Yangsiyu Lu, *University of Oxford*

Market competition and the adoption of clean technology: evidence from the taxi industry, *Raul Bajo-Buenestado*
Presenter: Raul Bajo-Buenestado, *University of Navarra*

The role of carbon capture, storage and utilization in the global energy system: long-term optimization and decarbonation of the industry, *Lucas Desport, Sandrine Selosse*
Presenter: Lucas Desport, *MINES ParisTech*

Concurrent Session 13: Macroeconomic Aspects of Energy Efficiency

Presided by: Victor Court, *IFP School*

Roomchief: Maroun Khachan

Presentations: Energy Efficiency and Health: A dynamic general equilibrium analysis, *Xavier Pautrel, Sondès Kahouli*
Presenter: Sondès Kahouli *UBO*

Analysis of net energy-return-on-investment for an effective energy transition policy: A case of Korea, *Minyoung Yang, Jinsoo Kim*
Presenter: Minyoung Yang, *Hanyang University*

Energy intensity and CO2 emissions: India's progress towards energy and climate change mitigation goals, *Manisha Jain*
Presenter: Manisha Jain, *Indira Gandhi Institute of Development Research*

Concurrent Session 14: Long-term Greenhouse Gas Reduction Strategies in China and Germany and Future Electricity Markets

Presided by: Ying Fan
Wolfgang Eichhammer

Roomchief: Clémence Butin

Presentations: E-fuel imports from the mena region as an option for decarbonizing europe's energy system, *Benjamin Lux, Wachsmuth Jakob, Pfluger Benjamin, Wolfgang Eichhammer*

Presenter: Benjamin Lux, *Fraunhofer Institute for Systems and Innovation Research ISI*

Long-term power expansion model with intermittent renewable energy — a multistage stochastic optimization based on nested benders decomposition, *Bowen Yi, Shujin Hou, Ying Fan*

Presenter: Bowen Yi, *Beihang University*

The importance of electricity grids and sector coupling for the decarbonisation of the Chinese power system, *Katja Franke*

Presenter: Katja Franke, *Fraunhofer Institute for Systems and Innovation Research*

Consumer Preferences for Electric Vehicle Charging Infrastructure Based on Text Mining Method, *Jinhua XU, Jing Li*

Presenter: Jinhua XU, *Institutes of Science and Development (ISD), Chinese Academy of Sciences (CAS)*

Sessions 15 -28

CEST Time 09:15 - 11:00

Tokyo Time 16:15 - 18:00

EDT 03:15AM - 05:00AM

Concurrent Session 15: Energy and Social Issues**Presided by:** Antoine Missemer, *CIREN***Roomchief:** Marc-Olivier Metais**Presentations:** Emission distribution and incidence of national mitigation policies among households in Austria, *Stefan Nabernegg*Presenter: Stefan Nabernegg, *Wegener Center, University of Graz*More than Money - an Evaluation of the Ecological, Economic, and Social Aspects of the Decentral Energy Transformation, *Alexandra Lüth, Jens Weibezahn, Jan Martin Zepter*Presenter: Alexandra Lüth, *Copenhagen Business School*Disaggregating the electricity sector in Egypt social accounting matrix, *Tarek Kabel, Mohga Bassim, Ahmed Abdelhamid*Presenter: Tarek Kabel, *University of Buckingham*Intergenerational effects of financing private investments for low-carbon energy transitions: an application to France, *Laura Atarody, Mourad Ayouz, Frédéric Gonand*Presenter: Laura Atarody, *EDF in partnership with Paris-Dauphine University PSL*

Concurrent Session 16: International Climate Issues

Presided by: Stefan Ambec, *TSE*

Roomchief: Francisco Santos

Presentations: Curbing fossil fuels: on the design of global reward payment funds to induce countries to reduce supply, reduce demand and expand substitutes, *Lennart Stern*

Presenter: Lennart Stern, *PSE-EHESS*

The end of the Kyoto Protocol era: What can we learn from the global trade of Emissions Reduction Units applying network analysis?, *Raphaela Kotsch, Regina Betz, Peter Schwendner, Jan Abrell*

Presenter: Raphaela Kotsch, *University of Zurich/ Zurich University of Applied Sciences*

Environmental Regulation, Trade and Environmental Outcomes, *Thais Nunez Rocha, Magdalene Silberberger*

Presenter: Thais Nunez Rocha, *Université d'Orleans*

Interactions between International and National Carbon Mitigation Policies, *Carl-Philipp Anke, Hannes Hobbie, Steffi Schreiber, Dominik Möst*

Presenter: Hannes Hobbie, *TU Dresden*

Concurrent Session 17: Climate Change Mitigation - Case Studies

Presided by: Silvana Mina

Roomchief: Joseph Mansour Salamé

Presentations: Effects of electric pumps on farm-level agricultural production and groundwater use in West Bengal, *Marie-Charlotte Buisson, Soumya Balasubramanya, David Stifel*

Presenter: Marie-Charlotte Buisson, *IWMI-CGIAR*

Sustainability considerations for ethanol production in Uganda, *Miria Nakamya*

Presenter: Miria Nakamya, *Norwegian University of Life Sciences*

GHG emission mitigation potentials in Turkey's waste sector using a bottom-up energy model, *Kemal Sarica, Ozgur Saki, Esin Tetik Kollugil*

Presenter: Kemal Sarica, *Işık University*

Concurrent Session 18: Energy Efficiency Policies

Presided by: Claire Bergaentzlé, DTU

Roomchief: Felipe Gonzalez

Presentations: Developping and modeling policies to reduce rebound effects, *Christian Lutz, Lara Ahmann, Maximilian Banning*
Presenter: Christian Lutz, GWS mbH

Introducing technology-neutral minimum energy performance standards to accelerate the uptake of energy-efficient lighting in South Africa., *Kay Walsh, Ahmed Seedat, Chris Reeders*
Presenter: Kay Walsh, Nova Economics

Fine-tuning policy for energy efficiency: a data-driven approach to support targetted policy-making for residential heating, *Muhammad Bilal Siddique, Claire Bergaentzlé, Philipp Andreas Gunkel*
Presenter: Muhammad Bilal Siddique, Denmark Technical University (DTU)

Concurrent Session 19: Electricity Market

Presided by: Richard Green, Imperial College

Roomchief: Jean Hassler

Presentations: Integrating European Electricity Markets – what effect for consumers and producers?, *Lisa Ryan, Ewa Lazarczyk*
Presenter: Lisa Ryan, UCD

The integration of European electricity markets – Achievements to date and way forward, *Fabien Roques*
Presenter: Fabien Roques, Université Paris Dauphine

A partial-equilibrium model of the electricity market, *Clas Eriksson, Johan Lindén, Christos Papahristodoulou*
Presenter: Clas Eriksson, Mälardalen University College

Reliability standards and generation adequacy assessments for interconnected electricity systems, *Astier Nicolas, Marten Ovaere*
Presenter: Astier Nicolas, Stanford University

Concurrent Session 20: Hydrogen

Presided by: Anna Creti, *U. Paris Dauphine*

Roomchief: Diego Cebreros

Presentations: The global hydrogen market 2050 – a model-based comparison of pathways and policy constraints, *Jefferson Riera, Lukas Barner, Franziska Holz, Lennart Rathje, Robin Sogalla, Christian von Hirschhausen*
Presenter: Jefferson Riera, *TU-Berlin*

Hydrogen grid and operating modes : crucial modeling choices, *Marie-Alix Dupré la Tour, Virginie Dussartre, Marc Le Du, Philippe Quirion*
Presenter: Marie-Alix Dupré la Tour, *RTE*

Low-carbon hydrogen imports to Europe as a new pillar to achieve carbon neutrality- An economic analysis of potential hydrogen import pathways to 2050, *Johannes Brauer, Clément CABOT, Manuel Villavicencio, Pierre Guilloteau*
Presenter: Johannes Brauer, *Ecole des Mines*

The transition to low-carbon hydrogen: benefits and challenges for the electricity system by 2030-2035, *Alberto Tejeda De La Cruz, Marc Le Du, Mathilde Françon, Olivier Houvenagel*
Presenter: Alberto Tejeda De La Cruz, *RTE*

Concurrent Session 21: Electric Vehicle for Individual Mobility

Presided by: Fabrice Vidal, *Stellantis*

Roomchief: Maria Juliana

Presentations: How to communicate the multiple benefits of electric vehicles: results from a controlled experiment, *James Carroll, Eleanor Denny*
Presenter: James Carroll, *Trinity College Dublin*

Individual Mobility, Mode Choice and the Effects of Public Transport Subsidies: Evidence from a Randomized Controlled Trial, *Marco Horvath, Mark Andor, Andreas Gerster*
Presenter: Marco Horvath, *RWI - Leibniz Insitute for Economic Research*

Modelling the impact of Weather Conditions on Passenger Mobility, *Monika Gupta, Avik Sinha*
Presenter: Monika Gupta S. P. Jain *Institute of Management and Research (SPJIMR)*

Concurrent Session 22: Electric Vehicle and Energy Modelling

Presided by: Yannick Perez

Roomchief: Fawaz Salihou

Presentations: The effect of vehicle-to-grid in France and Germany, in a context of market coupling by 2035, *Ange Blanchard, Pierre-Marie Manach, Romane Maréchaux, Maël Barillec, Frederic Lantz, Farnoosh Arash*
Presenter: Ange Blanchard, *Ecole des Ponts ParisTech*

Potential of electric vehicles to overcome transmission line congestions and balance redispatch needs: A case study for the Austrian control area, *Christoph Loschan, Carlo Corinaldesi, Georg Lettner*
Presenter: Christoph Loschan, *TU Wien - Energy Ecomocis Group*

Integration strategies of electric vehicles into the electricity system and impacts on investment decisions and prices, *Philipp Andreas Gunkel, Claire Bergaentzle, Ida Græsted Jensen, Fabien Scheller*
Presenter: Philipp Andreas Gunkel, *Technical University of Denmark*

Battery-electric vehicles: customized bottom-up time series and their application in power system models, *Carlos Gaete, Alexander Zerrahn, Wolf-Peter Schill*
Presenter: Carlos Gaete, *DIW Berlin*

Concurrent Session 23: Investment and Electricity

Presided by: Afzal Siddiqui, *UCL & Stockholm University*

Roomchief: Wale Arowolo

Presentations: Direct investments in renewable energy portfolios: Stochastic NPV-based capacity budgeting, *Matthias Odra, Walter Schwaiger, Markus Eigruber*
Presenter: Markus Eigruber, *Vienna University of Technology*

Long-term investments in electricity distribution networks: a real options approach, *Jean Pierre Dib, Oana Ionescu-Riffaud, Marie-Cécile Alvarez, Bertrand Raison*
Presenter: Jean Pierre Dib, *G2e Lab*

Market-Design and the Cost of Capital for Generation Capacity Investment., *Benoit Peluchon*
Presenter: Benoit Peluchon, *EDF*

Fuzzy Portfolio Optimization of Onshore Wind Power Plants, *Reinhard Madlener, Barbara Glensk*
Presenter: Reinhard Madlener *RWTH Aachen University, E.ON ERC / FCN*

Concurrent Session 24: Nuclear Economics in France

Presided by: Bertrand Charmaison, *CEA*

Roomchief: Theotime Coudray

Presentations: The belgian capacity market: nuclear phase-out, reliability options and the clean energy package, *Francois Boisseleau*
Presenter: Francois Boisseleau, *Engie*

Impact of renewables and nuclear power on electricity prices: the case of France, *Boris Solier, Jacques Percebois, Francois Benhmad*
Presenter: Boris Solier, *University of Montpellier*

The regulation of incumbent nuclear electricity: lessons from the ARENH mechanism and prospects for the future, *Dezobry Guillaume*
Presenter: Dezobry Guillaume, *University of Picardie Jules Verne*

Concurrent Session 25: Electrification

Presided by: Carlos Gutiérrez-Hita, *U. Miguel Hernández*

Roomchief: Mariana Reyes

Presentations: Gauging energy poverty in India: A multidimensional approach, Mohammad Faizan Ahmad
Presenter: Mohammad Faizan Ahmad, *Indian Institute of Technology Mandi*

Distribution network planning for isolated mini-grids: a novel approach, *Lina Silva-Rodriguez, Stefano Mandelli, Fabio Riva, Elena Maria Fumagalli*
Presenter: Lina Silva-Rodriguez (Utrecht University)

Shedding light on Moroccan energy expenditures, *Maryème Kettani*
Presenter: Maryème Kettani, CEA Saclay

Concurrent Session 26: Petroleum Economics

Presided by: Axel Pierru, *KAPSARC*

Roomchief: Gaby Abdel Nour

Presentations: The Future of the Oil Industry in a "Well Below 2 Degree" World: A Company-Level Agent-Based Simulation, *Krista Halttunen, Raphael Slade, Iain Staffel*
Presenter: Krista Halttunen, *Imperial College London*

How does economic and policy uncertainty affect the crude oil market?, *Hongjie Zhao, Alexander Kemp*
Presenter: Hongjie Zhao, *University of Aberdeen*

Privatizing a Profit-making National Oil Company in India: Exploring the Rationale and the Challenges, *Deepak Sharma, Haripriya Gundimeda*
Presenter: Deepak Sharma, *IIT Bombay*

Concurrent Session 27: European Gas Issues

Presided by: Olivier Massol, *IFP School*

Roomchief: Léa Crépin

Presentations: EU Gas Market Integration 2.0, *Mariana Liakopoulou*
Presenter: Mariana Liakopoulou, *NATO Association of Canada*

Competition under revenue-cap regulation with efficiency benchmark: tariff related incentives for gas transmission system operators in merged markets, *Jann T. Keller, Gerard H. Kuper, Machiel Mulder*
Presenter: Jann T. Keller, *Gastransport Nord GmbH*

Impact of power to gas (P2G) on cross-country electricity markets, *Yi Wan, Martin Densing*
Presenter: Yi Wan (Paul Scherrer Institut)

Concurrent Session 28: Gas and Hydrogen

Presided by: Olfa Tlili, *RTE*

Roomchief: Maroun Khachan

Presentations: Time-based approach for LCOE and NPV evaluation with application to gas power and hydrogen., *Alexandre Chailan, Vincent Bertrand, Maxime Buquet, Alexandre Picard*
Presenter: Vincent Bertrand, *University of Franche-Comté*

Scenario making within the framework of gecf global gas outlook: hydrogen scenario, *Seyed Mohsen Razavi*
Presenter: Seyed Mohsen Razavi, *Gas Exporting Countries Forum (GECF)*

Power-to-x modelling with identification of economic key factors using a bus fleet sensitivity analysis, *Lukas Saars, Marius Madsen, Jörg Meyer, Marc Gennat*
Presenter: Lukas Saars, *Hochschule Niederrhein*

Sessions 29 - 47

CEST Time 17:00 - 19:00

Tokyo Time 00:00 - 02:00

EDT 11:00AM - 01:00PM

Concurrent Session 29: COVID-19**Presided by:** Andre Plourde (Carleton)**Roomchief:** Marc-Olivier Metais**Presentations:** Changes in Electricity Use Following COVID-19 Stay-at-Home Behavior, *Dylan Brewer*Presenter: Dylan Brewer (Georgia Institute of Technology)Greening the COVID-19 Economic Recovery: Lessons from the Financial Crisis, *Karol Kempa, Ashish Tyagi*Presenter: Karol Kempa (Frankfurt School of Finance and Management)Post-Covid recovery and renewable energy – a model based agenda, *Ulrike Lehr, Rabia Ferroukhi*Presenter: Ulrike Lehr (International Renewable Energy Agency)Multi-Objective Evaluation of Renewable Technology Subsidy Portfolios from COVID-19 Recovery Packages, *Aikaterini Forouli, Dirk-Jan van de Ven, Konstantinos Koasidis, Alexandros Nikas, Ajay Gambhir, Themistoklis Koutsellis, Anastasios Karamaneas, Haris Doukas*Presenter: Anastasios Karamaneas (Energy Policy Unit, School of Electrical and Computer Engineering, National Technical University of Athens)

Concurrent Session 30: Building

Presided by: Anna Alberini (U. of Maryland)

Roomchief: Francisco Santos

Presentations: Modelling optimal regional energy supply based on 3D geodata for buildings and renewable energies, *Amir Ashour Novirdoust, Philipp Theile, Michael Moritz, Johannes Wagner, Bastian Schröter, Chris Kesnar, Volker Coors*
Presenter: Amir Ashour Novirdoust (Institute of Energy Economics at the University of Cologne (EWI))

Conceptual agent-based model of neighbourhood-level building retrofits based on Energiesprong approach, *Ardak Akhatova, Javanshir Fouladvand, Lukas Kranzl*

Presenter: Ardak Akhatova (TU Wien)

Identifying relevant parameters to replicate a step-by-step retrofitting optimisation model in a building stock level, *Iná Maia*

Presenter: Iná Maia (Technische Universität Wien)

Concurrent Session 31: Climate Policy

Presided by: Robert Borgstrom

Roomchief: Joseph Mansour Salamé

Presentations: Distributional and Efficiency Impacts of Higher EU Climate Targets, *Sebastian Rausch, Gustav Fredriksson, Florian Landis*
Presenter: Gustav Fredriksson (ETH Zurich)

Should Methane Emissions Regulations be Prescriptive or Performance Based?, *Robert Kleinberg*

Presenter: Robert Kleinberg (Columbia University; Boston University)

Reconciling the Pigovian and Sandmo Principles of Emission Pricing, *Ross McKittrick*

Presenter: Ross McKittrick (University of Guelph)

Reducing carbon emissions of households through monetary incentives and behavioral interventions, *Tarun Khanna, Jan Minx*

Presenter: Tarun Khanna (Hertie School)

Concurrent Session 32: Carbon Pricing

Presided by: Philippe Quirion (CIRED)

Roomchief: Felipe Gonzalez

Presentations: Spatial Effects of Carbon Pricing on Agriculture and Bioenergy in the United States, *Jerome Dumortier, Amani Elobeid*
Presenter: Jerome Dumortier (IUPUI)

The importance of carbon taxation for a timely and cost-effective energy transition, *Chryso Sotiriou, Theodoros Zachariadis*
Presenter: Chryso Sotiriou (Cyprus University of Technology)

Assessing Performance of Regional Carbon Markets in China, *chenyan Iyu, Tooraj Jamasb*
Presenter: chenyan Iyu (Copenhagen Business School)

Concurrent Session 33: Institutions for Energy

Presided by: Carine Staropoli (PSE)

Roomchief: Jean Hassler

Presentations: An energy regulators' public interest toolkit, *Jackie Ashley*
Presenter: Jackie Ashley (bcuc)

Institutions affect the energy supply market, *Alanda Venter, Roula Inglesi-Lotz*
Presenter: Alanda Venter (University of Pretoria)

Innovation decisions for green products: the role of regulatory incentives and acquisitions in a consumer-firm game, *Inês C Nunes, Margarida Catalão-Lopes*
Presenter: Inês C Nunes (Galp Energia SA)

Accelerate energy transition with smarter regulation for faster grid digitalization, *Vítor Marques, Paulo Costa*
Presenter: Vítor Marques (ERSE Entidade Reguladora dos Serviços Energéticos)

Concurrent Session 34: Bio Energies

Presided by: Alexandre Strapasson (Harvard University)

Roomchief: Diego Cebberos

Presentations: Cointegration analysis of Austrian wood and bioenergy markets, Marilene Fuhrmann, Christa Dißauer, Christoph Strasser, Erwin Schmid
Presenter: Marilene Fuhrmann (BEST - Bioenergy and Sustainable Technologies GmbH)

Bio-energy with Carbon Capture and Storage in Sweden: Infrastructure, costs and break-even prices, *Emma Jagu, Massol Olivier*
Presenter: Emma Jagu (IFP Energies nouvelles)

Examining the Energy–Water–Food nexus through an SDG lens for the Big 5 African countries, *Roula Inglesi-Lotz, Tshegofatso Molefe*
Presenter: Roula Inglesi-Lotz (University of Pretoria)

Citizens in energy transition: Highlighting the role played by spatial preference heterogeneity in public acceptance of biofuels, *Anthony Paris, Cheze Benoit, Pascal Gastineau, Pierre-Alexandre Mahieu*
Presenter: Cheze Benoit (IFPEN)

Concurrent Session 35: Issues in Electricity Market

Presided by: Oana Ionescu (Grenoble-INP)

Roomchief: Maria Juliana

Presentations: Uncertainty in Electricity Markets: The German Case, *Lukas Maximilian Lang, Mirjam Ambrosius, Jonas Egerer, Veronika Grimm, Adriaan Hendrik van der Weijde*

Presenter: Lukas Maximilian Lang (Friedrich-Alexander-Universität Erlangen-Nürnberg)

Labor supply and welfare effects of electricity in Ghana: Does geography matter?, *Esther Acquah*

Presenter: Esther Acquah (University of Alicante)

Using panzar-rosse model for selecting electricity markets regulation tools: the case of russian wholesale electricity market, *Tatiana Gass, Sergey Kechin, Ilya Dolmatov*

Presenter: Tatiana Gass (National Research University Higher School of Economics)

Toxic Hotspots from Market Design in Regional Climate Policy, *Brittany Tarufelli*

Presenter: Brittany Tarufelli (Louisiana State University)

Concurrent Session 36: Best Student Paper 1

Presided by: Boris Solier (U de Montpellier)

Roomchief: Fawaz Salihou

Presentations: How flexible electricity demand stabilizes wind and solar market values: the case of hydrogen electrolyzers, *Oliver Ruhnau*
Presenter: Oliver Ruhnau (Hertie School)

The economic consequences of putting a price on carbon, *Diego Kaenzig*
Presenter: Diego Kaenzig (London Business School)

How to design reserve markets? The case of the demand function in capacity markets, *Leopod Monjoie*
Presenter: Leopod Monjoie (RTE - Paris Dauphine)

Power reliability and grid connection: evidence from rural Guatemala, *Federico Accursi*
Presenter: Federico Accursi (Universidad de Navarra)

Concurrent Session 37: Mobility and CO2

Presided by: Francisco Ramos Real

Roomchief: Wale Arowolo

Presentations: The relevance of life-cycle CO2 emissions for vehicle purchase decisions: A stated choice experiment, *Michaela V. Gerhardt, Elke Groh, Andreas Ziegler*
Presenter: Michaela V. Gerhardt (University of Kassel)

Fuel life cycle analysis for different types of vehicles in the canary islands,
Alfredo Jesús Ramírez Díaz, Josue Barrera Santana, Francisco Javier Ramos Real

Presenter: Francisco Javier Ramos Real (Universidad de La Laguna)

Getting to India's Electric Vehicle Targets Cost-Effectively, *Gireesh Shrimali*
Presenter: Gireesh Shrimali (Stanford University)

Ex-post Analysis of the 2008 Car Tax Change on Transport CO2 Emissions using a Car Stock Model, *Vera O'Riordan, Fionn Rogan, Brian Ó Gallachóir, Hannah Daly*

Presenter: Vera O'Riordan (Environmental Research Institute)

Concurrent Session 38: EV and Smart Charging

Presided by: Icaro Freitas

Roomchief: Theotime Coudray

Presentations: Smart Charging: The Future of Residential Electric Vehicle Charging, *Clayton Johnson, Scott Hinson, Cavan Merski*
Presenter: Scott Hinson (Pecan Street Inc.)

Willing to pay? Spatial heterogeneity of e-vehicle charging preferences in Germany, *Stefanie Wolff, Reinhard Madlener*
Presenter: Stefanie Wolff (National Organisation Hydrogen and Fuel Cell Technology (NOW) GmbH)

The Influence of Public Charging Infrastructure Deployment and Other Socio-Economic Factors on Electric Vehicle Adoption in France, *Haidar Bassem, Maria Teresa Aguilar Rojas*
Presenter: Maria Teresa Aguilar Rojas (University Paris Dauphine - PSL)

Is one meter enough? Assessing the impacts of domestic electric vehicle-only rate adoption via submetering, *Icaro Freitas Gomes, Adam Abdin, Yannick Perez, Jakob Puchinger*
Presenter: Icaro Freitas Gomes (CentraleSupélec)

Concurrent Session 39: Energy Investment

Presided by: Joe Duggan (U. of Dayton)

Roomchief: Mariana Reyes

Presentations: Public support for community microgrids: contingent valuation evidence from Arizona, Colorado, New Mexico, and Utah, *Jesse Kaczmarski*
Presenter: Jesse Kaczmarski (The University of New Mexico)

Investment in smart homes under different tariff structures: consumer and distributor perspectives, *Seyyedreza Madani, pineau pierre-olivier*
Presenter: Seyyedreza Madani (HEC Montreal)

A game theoretical seasonalization model of physical guarantee for hydropower plants, *Jonas Caldara Pelajo, Naielly Marques, Leonardo Lima, Luiz Eduardo Teixeira Brandão*
Presenter: Jonas Caldara Pelajo (PUC-Rio)

A decision-making model on hedge transactions in electrical energy commercialization, *Jonas Caldara Pelajo, Naielly Marques, Leonardo Lima, Luiz Eduardo Teixeira Brandão*
Presenter: Naielly Marques (Pontifical Catholic University of Rio de Janeiro)

Concurrent Session 40: Investment and Climate

Presided by: Michel Berthélemy, *OECD NEA*

Roomchief: Pierre Cayet

Presentations: The impact of electric utility ownership structures on low-carbon investment decision, Bjarne Steffen, Valerie Karplus, Tobias Schmidt
Presenter: Bjarne Steffen (ETH Zurich)

Beyond transparency: the realities of shifting capital towards low-carbon assets, *Nadia Ameli, Sumit Kothari, Michael Grubb*
Presenter: Nadia Ameli (University College London)

Long-term assessments integrating social acceptance, *Mathilde Tessier, Sandrine Selosse, Nadia MAIZI*
Presenter: Mathilde Tessier (MINES ParisTech - Centre de Mathématiques Appliquées)

Triple treat: de-regulation, recovery, and de-carbonization in japan, *Marie Fagan*
Presenter: Marie Fagan (London Economics International LLC)

Concurrent Session 41: Electrification

Presided by: Anastasios Gentzoglanis (U de Sherbrooke)

Roomchief: Léa Crépin

Presentations: Access to electricity in Sub-Saharan Africa: the regressive effect of tariff structures on urban and rural on-grid households, *Sandrine Michel , Alexis Vessat*

Presenter: Alexis Vessat (University of Montpellier, Faculty of Economics, Acteurs Ressources et Territoires dans le Développement (ART-Dev) UMR 5281)

Improving energy systems and energy access in ethiopia: an inclusive approach, *Gabrial Anandarajah, Elusiyan Eludoyin, Oliver Broad, Julia Tomei, Ioannis Pappis, Andreas Sahlberg, Will Usher, Sied Hassen, Robel SeifeMichael, Tewodros Walle, Fitsum Kebede, Solomon Teferi, Getachew Bekele*

Presenter: Gabrial Anandarajah (University College London)

A study on the linkage between capacity pricing and carbon pricing in electricity market, *Yilun LUO, Benjamin McLellan, Seiichi Ogata, Tetsuo Tezuka*

Presenter: Yilun LUO (Kyoto University)

How Effective are the Capacity Mechanism Designs in Enhancing the Security of the Electricity Supplies in Europe and the USA?, *Dilip K Jena, Xiaoyi Mu*

Presenter: Dilip K Jena (University of Dundee)

Concurrent Session 42: The Econometrics of Oil Markets

Presided by: Mine Yucel (FED)

Roomchief: Thomas Brouhard

Presentations: Energy prices and covid-immunity: the case of crude oil and natural gas prices in the us and japan, *Honorata Nyga-Łukaszewska, Kentaka Aruga*
Presenter: Honorata Nyga-Łukaszewska (Szkoła Główna Handlowa w Warszawie)

A New Benchmark for Real-time Crude Oil Price Forecasts, *Stephen Snudden, Aniss Benmoussa, Aniss Benmoussa*
Presenter: Stephen Snudden (Wilfrid Laurier University)

Revisiting the brent-wti spread: a novel approach, *Isabella Ruble, John Powell*
Presenter: Isabella Ruble (DOE)

Time-Varying Jump Intensities and the Interconnectedness of the North American Crude Oil Complex, *Neil Wilmot*
Presenter: Neil Wilmot (University of Minnesota Duluth)

Concurrent Session 43: The Economics and Politics of Petroleum Markets

Presided by: Kenneth B Medlock

Roomchief: Clémence Butin

Presentations: Energy Security and Portfolio Diversification: GCC Exporters' Perspective, *Carlo Andrea Bollino, Phillip Galkin*
Presenter: Carlo Andrea Bollino (IAEE, AIEE, University of Perugia and KAPSARC)

Trade sanctions and international market integration: Evidence from the sanctions on Iranian methanol exports, *MASSOL Olivier, Hache Emmanuel, Albert Banal-Estanol*
Presenter: MASSOL Olivier (IFP School & City, University of London)

The Oil Supply Curve is Not Smooth: Agent Heterogeneity and the Challenges of Modelling Investment and Oil Production Decisions., *John Ballantine*
Presenter: John Ballantine (Brandeis University)

Concurrent Session 44: Energy Planning and Sustainability

Presided by: Michele De Nigris (RSE)

Roomchief: Isaac Olave

Presentations: 2070: A Long-Term Forecast of Global Energy Supply and Demand, *Taylor Collins, Edward Hirs, Chigoziri Mgbeahuru, Myriam Shiran*
Presenter: Taylor Collins (University of the Incarnate Word)

Sustainability of financial performance of energy companies, *Felicetta Iovino*
Presenter: Felicetta Iovino (University of Sannio)

Long-term planning and characterization of Latin American electrical systems based on their resources, *Lorena Di Chiara, Gonzalo Casaravilla, Ruben Chaer*
Presenter: Lorena Di Chiara (Maestría en Energía - Facultad de Ingeniería - Universidad de la República)

Sustainable Pathways to a Low Carbon Greater Kampala Metropolitan Area, *Ismail Kimuli, Michael Lubwama, John Baptist Kirabira*
Presenter: Ismail Kimuli (Makerere University)

Concurrent Session 45: Smart Energy Systems

Presided by: Adonis Yatchew

Roomchief: Tjark Gall

Presentations: How the Pace of Adoption of Electric Vehicle Smart Charging Impacts the Energy System?, *Christian Calvillo*
Presenter: Christian Calvillo (University of Strathclyde)

Duebe: an agent based simulator for smart retail power markets, *Stefano Zambotti, Clarisse Dupont, Jason Bassett, Yashar Ghiassi-Farrokhfal*
Presenter: Stefano Zambotti (Eurac Research)

The role of new business models in the scale-up of smart local energy systems: an agent-based approach, *Elsa Barazza, Pei-Hao Li*
Presenter: Elsa Barazza (UCL Energy Institute)

Dynamic participation in peer-to-peer electricity trading mechanisms in local communities, *Theresia Perger*
Presenter: Theresia Perger (TU Wien)

Concurrent Session 46: Electric Vehicle Scenarios

Presided by: Tooraj Jamasb (Copenhagen Business School)

Roomchief: Yasmine Salehy

Presentations: The economic attractiveness of electric vehicles in Brazil: the importance of incentive policies, *Ana Carolina Cordeiro, Luciano Losekann*
Presenter: Ana Carolina Cordeiro (Federal Fluminense University)

How to aggregate the load shifting potential of electric vehicles for energy models, *Patrick Jochem, Sabrina Ried, Sebastian Soldner, Thomas Dengiz*
Presenter: Patrick Jochem (German Aerospace Center (DLR-VE))

Integration of electric vehicles into transmission grids: a case study on the economic impacts and generation-load adequacy in Europe in 2040, *Remi Lauvergne, Yannick Perez, Alberto Tejeda De La Cruz*
Presenter: Remi Lauvergne (RTE)

Economic and environmental impacts of long-term scenarios of low emissions mobility in Spain, *Andrés Díaz Casado, Pablo Frías Marín*
Presenter: Jorge Fernández Aguirre (tbc)

Concurrent Session 47: Research Reels Session 1: Energy and Climate

Presided by: Cédric Clastres

Roomchief: Jean Pierre Dib

Presentations: Electricity poverty reduction and progress towards the sustainable development goal 7: Vietnam, 2008-2018., *Minh Ha-Duong, Hoai Son Nguyen*
Presenter: Minh Ha-Duong (CIRED, CNRS)

The Impact of Electricity Outages on health outcomes of children in Kyrgyzstan,
Yermone Sargsyan
Presenter: Yermone Sargsyan (Institute of Economic Studies, Faculty of Social Sciences, Charles University)

Positive Energy Districts - A critical review of definitions and characteristics,
Luca Casamassima, Ardak Akhatova, Axel Bruck, Luigi Bottecchia, Lukas Kranzl, Reinhard Haas
Presenter: Luca Casamassima (Technische Universität Wien)

The Potential Of Positive Energy Districts In The Energy Transition Across Europe, *Axel Bruck*
Presenter: Axel Bruck (Instituto Tecnológico de Canarias, S.A. (ITC))

Systematic Literature Review on Demand-Responsive Transport, *Stephanie Schasché*
Presenter: Stephanie Schasché (University of Klagenfurt)

Going Green: A Strategic Analysis of Swiss International Air Lines Towards Full Environmental Sustainability, *Juliette Kettler*
Presenter: Juliette Kettler (University of St. Gallen)

Tuesday, 8 June 2021

Sessions 48 -59

CEST Time 07:15 - 09:00

Tokyo Time 14:15 - 16:00

EDT 01:15AM - 03:00AM

Concurrent Session 48: Low-carbon Strategies

Presided by: Etienne Lorang

Roomchief: Quentin Hoarau

Presentations: How are business strategies and activities for mitigating climate change, influenced by social pressure?: A survey of Japanese enterprises, *Shiro Hori, Kayoko Kondo, Daisuke Nogata*
Presenter: Shiro Hori (Fukuoka University)

Carbon Abatement as a Strategic Variable: Implication for Energy Suppliers in a Carbon Constrained Environment, *Harry Bloch*
Presenter: Jo Voola (Nil)

Optimal recycling in a fast-learning industry: application to lithium-ion batteries, *Quentin Hoarau, Etienne Lorang*
Presenter: Etienne Lorang (INRAE / Climate Economics Chair)

Concurrent Session 49: Energy Geopolitics

Presided by: Christopher Len (Energy Studies Institute)

Roomchief: Marc-Olivier Metais

Presentations: Research on the resilience of nodes in energy mineral resources supply chain under emergency risk based on multilayer complex network, *Xi Shen*
Presenter: Xi Shen (China University of Geosciences (Wuhan))

Interdependencies Between Countries in the Provision of Energy, *Doina Radulescu, Philippe Sulger*
Presenter: Philippe Sulger (Swiss Competition Commission)

China-Europe electric corridor: An issue of energy security and global geopolitics, *Nicolas Mazzucchi*
Presenter: Nicolas Mazzucchi (Fondation pour la Recherche Stratégique)

Concurrent Session 50: Renewables Market Design

Presided by: Maria Mansanet

Roomchief: Pierre Cayet

Presentations: Risk and Return for Investments in Petroleum versus Renewables, *Magne Emhjellen-Stendal, Petter Osmundsen*
Presenter: Magne Emhjellen-Stendal (Petro AS)

The relevance of national markets for the development of new industries in the energy sector, *Marlene O'Sullivan*
Presenter: Marlene O'Sullivan (German Aerospace Center)

Maximizing the Business Opportunities in the Renewable Energy Industry, *Sandra Obiora, Olusola Bamisile, Esther Gurupira Takudzwa, Qi Huang*
Presenter: Sandra Obiora (University Of Electronic Science And Technology Of China)

Managing intermittency in the electricity market, *Nandeeta Neerunjun, Hubert Stahn, Jean-Henry Ferrasse*
Presenter: Nandeeta Neerunjun (Aix Marseille School of Economics)

Concurrent Session 51: Public Transport

Presided by: Marc Gennat

Roomchief: Joseph Mansour Salamé

Presentations: Economic and non-economic incentives for modal shift to sustainable mobility solutions: a review, *Fawaz SALIHOU, Rémy Le Boennec, Julie Bulteau, Pascal da Costa*

Presenter: Fawaz SALIHOU (VEDECOM)

Harmonizing Transportation Fuel Quality Standards to Resolve Oil Trade and Environmental Issues in APEC, *Ruengsak Thitiratsakul, James Kendell*

Presenter: Ruengsak Thitiratsakul (Asia Pacific Energy Research Centre (APEREC))

Energy Modelling of Night Storage Heater and Its Usage for Sector Coupling, *Marc Gennat, Raschad Damati, Arne Graßmann*

Presenter: Marc Gennat (Hochschule Niederrhein - University of Applied Sciences)

Concurrent Session 52: Petroleum Economics

Presided by: Peter Hartley (Rice U.)

Roomchief: Felipe Gonzalez

Presentations: How does oil market uncertainty affect oil exploration activity and the oil price? Evidence from Google Trends, *Esti Tri Widyastuti*

Presenter: Esti Tri Widyastuti (University of Aberdeen)

Oil price, exchange rate, and Japanese stock returns, *Hayato Nakata, Tokuo Iwaisako, Kohei Aono*

Presenter: Hayato Nakata (Meisei University)

The Heterogenous Impact of Energy Price Changes on Household Expenditure from the Aspect of Different Types of Households in Japan, *Yuko Hoshino, Junko Ogawa*

Presenter: Yuko Hoshino (ENEOS Corporation)

Concurrent Session 53: Energy Prices and Subsidies

Presided by: Kelly Burns

Roomchief: Diego Cebreros

Presentations: Who will be the beneficiaries of renewable energy subsidy in China? An analysis from the provincial level in China, *Ye Fan, Ming Fang*
Presenter: Ye Fan (School of Public Policy and Management, Tsinghua University)

The Rebound Effects of Electricity Prosuming in Germany: A Matching Approach, *Ayse Tugba Atasoy, Hendrik Schmitz, Reinhard Madlener*
Presenter: Hendrik Schmitz (RWTH Aachen University)

Wholesale price pass-through to retail electricity prices in liberalized energy markets: a study of Victoria, Australia, *Kelly Burns, Bruce Mountain*
Presenter: Kelly Burns (Victoria University)

Concurrent Session 54: LNG Economics

Presided by: Laurent David (Total)

Roomchief: Yasmine Salehy

Presentations: A Market Model For Lng Trading And Lng Shipping, Joel Enderlin
Presenter: Joel Enderlin (TOTAL SA)

Feasibility Study of Flare Gas Utilization through a Small Scale LNG in South Sumatera Indonesia, *Massita Ayu Cindy Putriastuti, Filda Citra Yusgiantoro, Haryanto -, I Dewa Made Raditya Margenta*
Presenter: Massita Ayu Cindy Putriastuti (Purnomo Yusgiantoro Center)

Does Renewable Energy Substitute Lng International Trade In The Energy Transition?, *Sarah Najm, Kenichi Matsumoto*
Presenter: Sarah Najm (King Saud University)

“Freedom gas” for Europe? A model-based analysis of the conditions for U.S. LNG exports to Europe, *Victoria Czempinski, Franziska Holz, Ruud Egging-Bratseth*
Presenter: Franziska Holz (DIW Berlin)

Concurrent Session 55: Energy Storage**Presided by:** Marc Petit (CentraleSupélec)**Roomchief:** Clémence Butin

Presentations: Energy Storage Investment in Switzerland: A household model approach linking heat and electricity, *Héctor Ramírez, Arthur Rinaldi, Benjamin Schroeteler, Hannes Weigt*
Presenter: Héctor Ramírez (University of Basel)

A method for modelling of hydro storage power plants in power plant dispatch models with rolling horizon approach, *Hasan Ümitcan Yilmaz, Joris Dehler-Holland, Thorsten Kreutzer, Dogan Keles*
Presenter: Hasan Ümitcan Yilmaz (Karlsruhe Institute of Technology)

Assessment Of Regional Energy Storage System Deployment In Response To Energy Transitions In Taiwan, *Yi-Ya Yang, Yun-Hsun Huang, Jung Hua Wu*
Presenter: Yi-Ya Yang (Industrial Technology Research Institute)

Electricity Generation, Storage And Transmission For Central Europe In 2035: Trade-Offs Between Cost-Optimal And Near-Optimal Scenarios, *Jan-Philipp Sasse, Evelina Trutnevyte*
Presenter: Jan-Philipp Sasse (University of Geneva, Renewable Energy Systems)

Concurrent Session 56: Power Systems in Asia

Presided by: Lu Gao

Roomchief: Théotime Coudray

Presentations: Cost evaluation considering time-shifted electricity demand of industrial sector in energy-chain model, *Tomoyuki Yamada, Hiromi Yamamoto*
Presenter: Tomoyuki Yamada (Central Research Institute of Electric Power Industry (CRIEPI))

Unpacking the Driving Forces of Historical Electricity Generation Cost Change In Korea – Market Forces vs Technological Learning, *Daniel, Donghyun Choi, Cheolhung Cho, Jiyong Eom*
Presenter: Cheolhung Cho (KAIST)

Impact assessment of willingness to pay on the installed and transmission capacities of renewable energy resources in Japan, *Lu Gao, Ashina Shuichi, Yuki Hiruta*
Presenter: Lu Gao (National Institute for Environmental Studies, Japan)

Concurrent Session 57: Renewables Integration

Presided by: Fabien Roques

Roomchief: Gaby Abdel Nour

Presentations: The impact of climate change on the supply and demand for electricity power and wholesale prices for electricity in Germany, *Kenta Tanaka, Ken'ichi Matsumoto, Alexander Ryota Keeley, Shunsuke Managi*
Presenter: Alexander Ryota Keeley (Kyushu University)

The relevance of proximity and workplace experiences for the support of power plants: An empirical analysis of wind, coal, and nuclear energy, *Theresa Luigs, Elke Groh, Andreas Ziegler*
Presenter: Theresa Luigs (University of Kassel)

Impact Of A High Penetration Of Variable Res In The European Power System For 2050 – A Technical And Economic Analysis As Part Of Eu-Sysflex Project, *Caroline Bono, Camille Cany, Anne Debregeas, Marcelo Saguean*
Presenter: Camille Cany (EDF)

Concurrent Session 58: RES and Carbon Price

Presided by: Gustavo Marrero (U. de la Laguna)

Roomchief: Léa Crépin

Presentations: Potential of efficient heating and cooling in the light of decarbonisation targets: the case of Austria, *Lukas Kranzl, Richard Büchele, Mostafa Fallahnejad, Bernhard Felber, Jeton Hasani, Marcus Hummel, David Schmidinger*
Presenter: Lukas Kranzl (TU Wien)

How carbon tax change the perception and behavior of players in a competitive energy market?, *Kengo Suzuki, Ryohei Ishiwata*
Presenter: Kengo Suzuki (University of Tsukuba)

Lessons from the European island territory decarbonization: the role of flexibility to ensure a high renewable integration, *Sandrine Selosse, Sophie Chlela, Nadia Maizi*
Presenter: Sophie Chlela (Centre de Mathématiques Appliquées, Mines Paristech)

Concurrent Session 59: Electricity Demand

Presided by: Wale Arowolo (CentraleSupélec)

Roomchief: Maria Rojas

Presentations: Understanding Impacts of Power Interruptions on Quality of Life: Opportunities for Socially-optimal Policy and Demand-side resilience, *Lorenz Ray Payonga, Tomohiko Ihara*
Presenter: Lorenz Ray Payonga (The University of Tokyo)

Diffusion of Direct Current Technology in Private Households in Germany, *Xueying Liu, Reinhard Madlener*
Presenter: Xueying Liu (E.ON Energy Research Center, RWTH Aachen University)

Effects of climate change on electricity demand in India: Case of three climate zones, *Divya Jain, Dr. Gopal Sarangi, Dr. Sukanya Das*
Presenter: Divya Jain (TERI School of Advanced Studies, New Delhi)

Sessions 60 -75

CEST Time 09:15 - 11:00

Tokyo Time 16:15 - 18:00

EDT 03:15AM - 05:00AM

Concurrent Session 60: Electric Vehicle and Innovations**Presided by:** Jan Lepoutre (ESSEC Business School)**Roomchief:** Icaro Freitas**Presentations:** Business model innovation in the ev ecosystem, *Francisco Jose Santos Alonso Lastras*Presenter: Francisco Jose Santos Alonso Lastras (CentraleSupélec)The contribution of new mobility technologies and services to climate change mitigation and economic welfare, *Tatiana Bruce da Silva, Patricia Baptista, Carlos Santos Silva, Luan dos Santos*Presenter: Tatiana Bruce da Silva (IN+ Center for Innovation, Technology and Policy Research – LARSys – Instituto Superior Técnico – Universidade de Lisboa, Portugal)Electric mobility in Switzerland: How many Teslas can the system deal with?, *Ali Darudi, Carla Mendes, Hannes Weigt*Presenter: Carla Mendes (University of Basel)Preferences for alternative vehicles : an analysis of barriers to adoption through a discrete choice experiment, *Cheze Benoit, Xavier Guichet, Cyprien Ternel, Pascal Gastineau, Alexandre Cambo*Presenter: Alexandre Cambo (IFP Energies Nouvelles)

Concurrent Session 61: Renewables Investments

Presided by: Machiel Mulder (U. of Groningen)

Roomchief: Marc Olivier Metais

Presentations: The impact of de-risking financing and cost of capital on support cost for onshore wind and solar PV in Europe, *Mak Dukan, Lena Kitzing*
Presenter: Mak Dukan (Technical University of Denmark)

Technology bias in locational instruments - How do regulatory instruments implicitly affect the choice of technology in investment decisions?, *Anselm Eicke*
Presenter: Anselm Eicke (Hertie School)

An option analysis of renewable support mechanisms, *Cristina Pizarro-Irizar, Maria Paz Espinosa, Andrea Giralt*
Presenter: Cristina Pizarro-Irizar (University of the Basque Country (UPV/EHU) and Basque Centre for Climate Change (BC3))

Concurrent Session 62: Energy and Local Issues

Presided by: Kirakozian Ankinée (Mines de Nancy)

Roomchief: Pierre Cayet

Presentations: The implementation of sustainable new business models for energy providers, a case study of engie's district heating and cooling systems, *Johanna Ayrault, Franck Aggeri, Elodie Le Cadre Loret, Anne Prieur-Vernat*
Presenter: Johanna Ayrault (ENGIE Lab CRIGEN)

Energy communities: identities and scale orientation, *Anne-Lorène Vernay, Mark Olsthoorn, Caroline Gauthier, Carine Sebi*
Presenter: Mark Olsthoorn (Grenoble Ecole de Management)

Managing the coal transition for workers in South Africa: a scenario analysis of age skills profiles of the coal mining workforce, *Jules Schers, Jesse Burton*
Presenter: Jules Schers (University of Cape Town, and Expertise France)

Concurrent Session 63: Storage

Presided by: Jacqueline Boucher (Engie)

Roomchief: Joseph Mansour Salamé

Presentations: A review on reviews of energy storage systems: do we know enough to make a sustainable decision?, *Dominik Huber, Maarten Messagie, Thierry Coosemans, Luis Ramirez Camargo*

Presenter: Dominik Huber (Vrije Universiteit Brussels)

Estimating storage needs for renewables in europe: the correlation between renewable energy sources and heating and cooling demand, *Jasmine Ramsebner, Pedro Linares, Reinhard Haas*

Presenter: Jasmine Ramsebner (EEG TU Wien)

Estimating Arbitrage Profits for Storage Resources in Nodal Electricity Markets: A Decision Tree Method, *Benjamin Fram, Devendra Canchi*

Presenter: Benjamin Fram (Norwegian School of Economics)

Influence of household prosumage growth on utility generation and storage portfolios in Western Australia, *Kelvin Say, Wolf-Peter Schill, Michele John*

Presenter: Kelvin Say (University of Melbourne)

Concurrent Session 64: Gas and the Environment

Presided by: François Lévêque (Mines ParisTech)

Roomchief: Felipe Gonzalez

Presentations: Carbon mitigation pathway for renewables and gas in the power sector under strengthened climate policy actions, *hamdani sid ahmed*
Presenter: HAMDANI SID AHMED (GAS EXPORTING COUNTRIES FORUM)

Optimal Incentive Schemes to Reduce Natural Gas Flaring & Venting Emissions, *Giacomo Benini*
Presenter: Giacomo Benini (Stanford University)

Methane emissions from global natural gas supply chains, *Jasmin Cooper, Paul Balcombe, Adam Hawkes*
Presenter: Jasmin Cooper (Sustainable Gas Institute, Imperial College London)

Natural gas-CHP plants as a power generation solution - impact on the hourly carbon footprint of the electricity consumed in Switzerland, *Emilie Simon, Francesco Maria Cimmino, Stéphane Genoud*
Presenter: Emilie Simon (HES-SO Valais)

Concurrent Session 65: Energy Systems

Presided by: Pascal da Costa (CentraleSupélec)

Roomchief: Diego Cebreros

Presentations: Beyond cost reduction: A method to improve the value of technologies in energy systems., *Maximilian Parzen, Fabian Neumann, Adriaan Hendrik van der Weijde, Daniel Friedrich, Aristides Kiprakis*
Presenter: Maximilian Parzen (University of Edinburgh)

The storage cycling trap: unintended effects and implications for energy system modeling, *Martin Kittel, Wolf-Peter Schill, Alexander Zerrahn*
Presenter: Martin Kittel (German Institute for Economic Research (DIW Berlin))

Digital energy transition: diffusion of new social practices and their impact on the energy system, *Lidia Stermieri*
Presenter: Lidia Stermieri (Paul Scherrer Institut)

Concurrent Session 66: Energy Systems Modeling

Presided by: Arthur THOMAS (ENSAE-CREST)

Roomchief: Mariana Reyes

Presentations: Energy system modelling for large-scale regional energy supply chain expansion problem: aspects and challenges, *Bintang Yuwono, Lukas Kranzl*
Presenter: Bintang Yuwono (International Institute for Applied Systems Analysis)

Sector coupling of a local energy system - influence of location dependent parameters, *Frida Revheim, Daniel Schwabeneder, Georg Lettner*
Presenter: Frida Revheim (TU Wien)

A techno-economic catalogue for system flexibilization, *Fabian Schipfer, Tilman Schildhauer, Elina Mäki, Ernst Hoeffberger, Daniela Thraen, Christiane Hennig, Ian Rowe*
Presenter: Fabian Schipfer (Energy Economics Group, Technische Universität Wien)

Renewable Energy Targets under Sector Coupling, *Martin Roach, Leonardo Meeus*
Presenter: Martin Roach (KU Leuven)

Concurrent Session 67: Carbon Issues

Presided by: Jihad Elnaboulsi (Université Franche Comté)

Roomchief: Jean Pierre Dib

Presentations: The political economy of fossil fuel subsidy phase-out: an empirical assessment, *Mariza Montes de Oca Leon, Franziska Holz*
Presenter: Mariza Montes de Oca Leon (DIW Berlin)

On the precision of private information and environmental taxation, *Jihad Elnaboulsi, Wassim Daher, Yigit Saglam*
Presenter: Jihad Elnaboulsi (Université de Bourgogne Franche-Comté)

Micro-macro linkage to evaluate the distributive impacts of carbon taxation on french households, *Emilien Ravigné, Frederic Gherzi, Franck Nadaud*
Presenter: Emilien Ravigné (CentraleSupélec, Université Paris-Saclay)

Concurrent Session 68: Carbon Issues

Presided by: Nadia Maizi

Roomchief: Théotime Coudray

Presentations: A review of transport sector hybridised regulatory - market policy instrument: performance standards plus tradable credits, *Sonia Yeh, Dallas Burtraw, Thomas Sterner, David Greene*

Presenter: Sonia Yeh (Chalmers University of Technology)

Beyond compliance: strategic use of emissions trading, *Sascha Lehmann, Joachim Schleich, Johanna Cludius, Jan Abrell, Regina Betz, Jonatan Pinkse*

Presenter: Sascha Lehmann (Fraunhofer ISI)

Concurrent Session 69: Energy and Social Issues

Presided by: Anna Risch

Roomchief: Gaby Abdel Nour

Presentations: The determinants of fuel poverty and its impact on health wellbeing: a case study of social housing tenants in the southwest of England, *Gengyang Tu, Karyn Morissey, Tim Taylor, Richard Sharpe*

Presenter: Gengyang Tu (University of Exeter)

Socio-economic effects of COVID-19 in a resource-based economy - An analysis using the macroeconomic model e3.dz for Algeria, *Ulrike Lehr, Maximilian Banning, Lisa Becker*

Presenter: Lisa Becker (GWS (Institute of Economic Structures Research))

Renewable electricity subsidies and windfall profits: An empirical analysis of the Dutch support scheme, *Daan Hulshof, Machiel Mulder*

Presenter: Daan Hulshof (University of Groningen)

Concurrent Session 70: Innovation

Presided by: Isabelle Nicolai (CentraleSupélec)

Roomchief: Léa Crépin

Presentations: Emergence of digital and X-as-a-Service platforms in German energy sectors., *Mahendra Singh, Jiao Jiao, Marian Klobasa, , Rainer Frietsch*
Presenter: Mahendra Singh (Fraunhofer ISI)

China's Belt and Road Initiative and Host Countries' Green Innovation, *Banban Wang*
Presenter: Xinxin Ye (Huazhong University of Science and Technology (HUST))

Does renewable energy policy crowd out innovation? perspective from zombie firms, *Jiahui Yi*
Presenter: Jiahui Yi (China University Geoscience Wuhan)

Concurrent Session 71: Peer to Peer

Presided by: Christoph Burger

Roomchief: Maria Rojas

Presentations: Blockchain Applications In The Energy Sector – An Assessment Beyond The Hype, *Christoph Burger, Jens Weinmann*
Presenter: Christoph Burger (Esmt Berlin)

How Time-Of-Use Rates Affect The Arbitrage Potential In A Local Peer-To-Peer Energy Market, *Rui Shan, Rafael Emmanuel Macatangay, Noah Kittner*
Presenter: Rui Shan (Unc Chapel Hill)

Introducing Peer-To-Peer In Electricity Markets: Different Governance Models To Align Supporting Pillars, *Jean-Michel Glachant, Nicolò Rossetto, Golnoush Soroush*
Presenter: Nicolò Rossetto (Florence School Of Regulation)

Concurrent Session 72: Redistributive Effect

Presided by: Silvia Concettini

Roomchief: Thomas Brouhard

Presentations: Assessing The Regional Redistributive Effect Of Renewable Power Production Through A Spot Market Algorithm Simulator: The Case Of Italy, *Silvia Concettini, Anna Creti, Stanislao Gualdi*
Presenter: Silvia Concettini (Climate Economics Chair And Energy & Prosperity Chair)

Penalties In Renewable Auctions: Does "One Rate For All" Mean Less For Incumbents?, *Ali Darudi, Schlecht Ingmar, Hannes Weigt*
Presenter: Ali Darudi (University Of Basel)

Strategic Behaviour In Flexibility Markets: New Games And Sequencing Options, *Ellen Beckstedde, Leonardo Meeus, Erik Delarue*
Presenter: Ellen Beckstedde (Ku Leuven & Vlerick Business School)

Tempting Subsidies? An Analysis Of Second-Degree Moral Hazard In The Context Of Solar Systems, *Evert Reins*
Presenter: Evert Reins (University Of Neuchâtel)

Concurrent Session 73: Storage

Presided by: Marcelo Saguan (EDF)

Roomchief: Clémence Butin

Presentations: Why geographical balancing decreases electricity storage needs: a model-based illustration for Europe, *Alexander Roth, Wolf-Peter Schill, Alexander Zerrahn*
Presenter: Alexander Roth (German Institute for Economic Research (DIW Berlin))

Utility-Scale Energy Storage in an Imperfectly Competitive Power Sector, *Afzal Siddiqui, Vilma Virasjoki, Fabricio Oliveira, Ahti Salo*
Presenter: Afzal Siddiqui (Stockholm University)

Long term issues of the energy only market design in the context of energy transition, *Alexis Lebeau, Marie Petitot, Marcelo Saguan, Eli Rakotomisa, Simon Quemin*
Presenter: Alexis Lebeau (EDF)

Concurrent Session 74: Decarbonisation Policies

Presided by: Knut Einar Rosendahl (Norwegian University of Life Sciences)

Roomchief: Isaac Olave

Presentations: The multi-level economic impacts of deep decarbonization strategies for the energy system, *Gaëlle Le Treut, Julien Lefèvre, Francisco Lallana, Gonzalo Bravo*

Presenter: Gaëlle Le Treut (CIRED)

Structural transformation of the Saudi economy in the context of global climate action, *Salaheddine Soummane, Frederic Gherji, Franck Lecocq*

Presenter: Salaheddine Soummane (KAPSARC)

The role of electrification in the decarbonization of Central-Western Europe, *Gauthier de Maere d'Aertrycke, Yves Smeers, Hugues de Peufeilhoux, Pierre-Laurent Lucille*

Presenter: Gauthier de Maere d'Aertrycke (Engie Impact)

Why the wide range of cost estimates for fulfilling the NDC pledges? - A meta-analysis, *Sneha Thube*

Presenter: Sneha Thube (Kiel Institute for the World Economy)

Concurrent Session 75: Market Modeling

Presided by: Tim Schittekatte (EUI)

Roomchief: Jean Hassler

Presentations: Algorithms In Power Markets : Can Collusive Outcomes Be Avoided?, *Xavier Lambin, Ibrahim Abada*

Presenter: Ibrahim Abada (Engie Impact)

Forecast Of High Frequency Energy Data Based On Machine Learning Applications, *Erik Heilmann, Heike Wetzel, Janosch Henze*

Presenter: Erik Heilmann (University Of Kassel)

Spotted: Identifying The Drivers Of British Electricity Spot Prices., *Liliana Nowakowska, Richard Green*

Presenter: Liliana Nowakowska (Imperial Business School)

Sessions 76 -95

CEST Time 17:00 - 19:00

Tokyo Time 00:00 - 02:00

EDT 11:00AM - 01:00PM

Concurrent Session 76: Information and Energy Efficiency**Presided by:** Maria del Mar Solà**Roomchief:** Icaro Freitas

Presentations: The Role of Cognition And Energy Literacy in Consumers' Energy-Related Information Processing - Insights from China and the Netherlands, *Shutong He, Julia Blasch, Pieter van Beukering*
Presenter: Shutong He (Vrije Universiteit Amsterdam)

The Impacts of Special Environmental Events on Electricity-Saving Behaviors: Evidence from Smart Meter Data of Residential and Commercial Consumers, *Xingchi Shen, Yueming Qiu, Ling Luo, Xiaohao Zheng*
Presenter: Xingchi Shen (University of Maryland College Park)

How effective is monetary information to promote the purchase of energy-efficient appliances? Evidence from a field trial in big retailers in Spain, *Maria del Mar Solà, Ibon Galarraga, Marta Escapa*
Presenter: Maria del Mar Solà (BC3-Basque Centre for Climate Change)

Concurrent Session 77: Innovation

Presided by: Marc Baudry (U. Nanterre)

Roomchief: Marc Olivier Metais

Presentations: Trade In Energy Technology Goods - Germany And Its Target Markets,
Maximilian Banning, Ulrike Lehr, Markus Flaute
Presenter: Maximilian Banning (GWS - Institute Of Economic Structures Research)

Financial Risk From Mitigating Climate Change: An Integrated Approach,
Gregor Semieniuk, Philip Holden, Jean-Francois Mercure, Pablo Salas, Hector Pollit, Jorge Viñuales, Neil Edwards
Presenter: Gregor Semieniuk (University Of Massachusetts Amherst)

Is There A Need For Policy Intervention To Offset Costly Capital Requirements To Support Industrial Decarbonisation?, *Karen Turner*
Presenter: Karen Turner (Centre For Energy Policy, University Of Strathclyde)

A Life Cycle Assessment Framework For Evaluating Options, Impacts, And National Energy Choices, *Emre Gencer, Maryam Arbabzadeh, Tony Wu*
Presenter: Emre Gencer (MIT)

Concurrent Session 78: Blackouts

Presided by: Adam F. Abdin (CentraleSupélec)

Roomchief: Pierre Cayet

Presentations: Electricity blackouts for business consumers: perceived impacts, heterogeneous responses, and the role of cognitive drivers, *Alessandra Motz*
Presenter: Alessandra Motz (Università della Svizzera italiana)

Transforming Energy Crises in the Gulf of Guinea: A Positive Innovative Disruption., *Mekobe Ajebe*
Presenter: Mekobe Ajebe (Doctoral Student, Weatherhead School of Management, CWRU)

Reasons For Electricity Outages In Chile: Regulatory Implications, *Javier Bustos-Salvagno*
Presenter: Javier Bustos-Salvagno (Universidad Del Desarrollo)

Nexus Between Water, Energy Poverty And Food Safety, In Urban Areas Of A Developing Country: Colombian Case., *Jhon Perez*
Presenter: Jhon Perez (La Salle University)

Concurrent Session 79: Industrial

Presided by: Quentin Hoarau (CentraleSupélec)

Roomchief: Joseph Mansour Salamé

Presentations: Industry Compliance Costs Under the Renewable Fuel Standard: Evidence from Compliance Credits, *Arthur Wardle, Sherzod Akhundjanov*
Presenter: Sherzod Akhundjanov (Utah State University)

Economic Conditions For Hydrogen Markets: A Scenario Analysis, *Lennard Rekker, Machiel Mulder, Peter Perey*
Presenter: Lennard Rekker (Rijksuniversiteit Groningen)

Oxygen From Electrolysis For Medical Use: An Economically Feasible Route, *Gaetano Squadrito, Agatino Nicita, Gaetano Maggio*
Presenter: Gaetano Squadrito (Cnr-Itae)

Concurrent Session 80: Carbon Pricing

Presided by: Peter Schwarz

Roomchief: Felipe Gonzalez

Presentations: Pricing climate change as a mortal threat, *Marc Vatter*
Presenter: Marc Vatter (The Economic Utility Group)

Analysis of the historical pass-through of carbon cost to electricity prices in European power markets, *Fabien Roques, Petr Spodniak, Yuanjing Li*
Presenter: Petr Spodniak (Compass Lexecon)

How Do Firms Respond To A Rising Carbon Tax? The Swiss Experience, *Regina Betz, Dario Fauceglia, Thomas Leu, Tobias Müller*
Presenter: Regina Betz (Zurich University of Applied Sciences (ZHAW))

Carbon Tax And Emissions Transfer A Spatial Analysis, *sahar amidi, Rezgar Feizi, Thais Nunez Rocha, Isabelle Rabaud*
Presenter: sahar amidi (university of orleans)

Concurrent Session 81: Country or Regional Analysis

Presided by: Nicolò Rossetto

Roomchief: Tjark Gall

Presentations: Sustainability analyses of the German energy transition using TOPSIS, *Ingela Tietze, Heidi Hottenroth, Tobias Viere, Lukas Lazar, Steffen Lewerenz*
Presenter: Ingela Tietze (Pforzheim University of Applied Science)

Governance for the transition to a sustainable energy sector in Brazil: Integrating energy and climate change policies, *Maria Bernadete Sarmiento Gutierrez*
Presenter: Maria Bernadete Sarmiento Gutierrez (IPEA)

Enabling Demand Response In Emerging Economies: The Case Of Chile, *Catarina Araya Cardoso*
Presenter: Catarina Araya Cardoso (Westminster Business School)

Road Freight Market In Brazil: Price Determinants And Asymmetric Transmission, *Mônica Maria Apolinário Teixeira, Niágara Rodrigues*
Presenter: Mônica Maria Apolinário Teixeira (Federal Fluminense University)

Concurrent Session 82: Industrial Energy Efficiency

Presided by: Xavier Labandeira (U. Vigo)

Roomchief: Diego Cebreros

Presentations: How Effective Is Energy Efficiency? Assessing Industrial Rebound Effects In Switzerland, *Michel Zimmermann, Frank Vöhringer, Philippe Thalmann, Vincent Moreau*

Presenter: Michel Zimmermann (École Polytechnique Fédérale De Lausanne)

Estimating The Historical Impacts Of Information And Communication Technologies On Industrial Energy Demand, *Shivani Taneja, Mona Chitnis, Steven Sorrell*

Presenter: Shivani Taneja (University Of Surrey)

Climate Protection Potentials Of Digitalized Production Processes: Microeconometric Evidence?, *Janna Axenbeck, Thomas Niebel*

Presenter: Janna Axenbeck (ZEW Mannheim)

STRATEGY DESIGN TO INCENTIVIZE THE EFFICIENT USE OF ENERGY IN THE HOTEL INDUSTRY ON THE ISLAND OF TENERIFE, *Ivelina Mirkova, Andrés Lorente De Las Casas*

Presenter: Ivelina Mirkova (Universidad De La Laguna)

Concurrent Session 83: Residential Energy Efficiency

Presided by: Dorothee Charlier (U. Savoie)

Roomchief: Mariana Reyes

Presentations: The Role Of Social Capital And Housing Related Lifestyle In Fostering Energy-Efficient Retrofits In Slovenia, *Ivana Jovović, Andreja Cirman, Nevenka Hrovatin, Jelena Zoric*

Presenter: Ivana Jovović (School Of Economics And Business, University Of Ljubljana)

Energy Communities And Energy Conservation, *Mark A. Andor, Julia Blasch, Lorenz Götte, Stephan Sommer, Lukas Tomberg*

Presenter: Mark A. Andor (Rwi - Leibniz Institute For Economic Research)

Increasing Block Rate Electricity Pricing And Propensity To Purchase Electric Appliances: Evidence From Natural Experiment, *Salim Turdaliev*

Presenter: Salim Turdaliev (Institute Of Economic Studies, Faculty Of Social Sciences, Charles University)

Concurrent Session 84: Local Electricity Markets

Presided by: James Smith (Southern Methodist University)

Roomchief: Théotime Coudray

Presentations: The Role Of Social Capital And Housing Related Lifestyle In Fostering Energy-Efficient Retrofits In Slovenia, *Ivana Jovović, Andreja Cirman, Nevenka Hrovatin, Jelena Zoric*

Presenter: Ivana Jovović (School Of Economics And Business, University Of Ljubljana)

Energy Communities And Energy Conservation, *Mark A. Andor, Julia Blasch, Lorenz Götte, Stephan Sommer, Lukas Tomberg*

Presenter: Mark A. Andor (Rwi - Leibniz Institute For Economic Research)

Increasing Block Rate Electricity Pricing And Propensity To Purchase Electric Appliances: Evidence From Natural Experiment, *Salim Turdaliev*

Presenter: Salim Turdaliev (Institute Of Economic Studies, Faculty Of Social Sciences, Charles University)

Concurrent Session 85: RES and Innovation

Presided by: Carlos Andrade

Roomchief: Gaby Abdel Nour

Presentations: Innovation Ecosystems Of Second-Generation Ethanol, *Daniella Silva, José Vitor Bomtempo, Flávia Alves*
Presenter: Daniella Silva (Universidade Federal Do Rio De Janeiro)

Blockchain Technology And Peer-To-Peer Trading In Renewable Energy Communities: A Regulatory Perspective, *Ksenia Poplavskaya, Stephan Cejka, Mark Stefan*
Presenter: Stephan Cejka (Siemens Ag)

Assessment Of The Production Of Alternative Aviation Fuel From Cariamata Oil: A Stochastic Techno-Economic Analysis., *Nhu Nguyen, Wallace Tyner*
Presenter: Nhu Nguyen (Purdue University)

Circular Economy For The Energy Transition: What Transformation Of Territorial Energy System?, *Carlos Andrade*
Presenter: Carlos Andrade (Center For Applied Mathematics)

Concurrent Session 86: Energy Communities

Presided by: Asgeir Tomasgard (NTNU)

Roomchief: Léa Crépin

Presentations: Quo Vadis Energy Communities - Opportunities And Challenges Of Shared Energy Systems, *Albert Hiesl*
Presenter: Albert Hiesl (Tu Wien)

Renewable Energy Cooperatives: Gaps In Qualifications For New Business Models, *Benedikt Rilling, Carsten Prof. Dr. Herbes, Lars Holstenkamp*
Presenter: Benedikt Rilling (Nuertingen-Geislingen University)

Concurrent Session 87: Renewables Integration

Presided by: Erik Delarue (KU Leuven)

Roomchief: Maria Rojas

Presentations: The Electricity Market, Emissions And Network Impacts Of Significant Increases In Renewables And Gas In Southeast Europe, *Elliot Roseman, Dragana Orlic, Goran Majstrovic*
Presenter: Elliot Roseman (Us Energy Association)

Designing Renewable Electricity Auctions: What Is The Trade-Off Between The Direct And Indirect Costs Of Electricity Generation?, *Pablo Del Rio, Daniel Davi-Arderius, Elisa Trujillo-Baute*
Presenter: Pablo Del Rio (Csic)

On Distributional Effects In Local Electricity Market Designs—Evidence From A German Case Study, *Jens Weibezahn, Alexandra Lüth, Jan Martin Zepter*
Presenter: Alexandra Lüth (Copenhagen Business School)

Dynamic Mechanisms Of Low-Carbon Investment Decision In The Context Of Uk Electricity Grid Network, *Saheed Bello*
Presenter: Saheed Bello (Loughborough University)

Concurrent Session 88: Renewables Market Design

Presided by: Aitor Ciarreta (U. of the Basque Country)

Roomchief: Thomas Brouhard

Presentations: Market Design For Renewable Energy Auctions: An Analysis Of Alternative Auction Formats, *Sandra Kretschmer, Martin Bichler, Veronika Grimm, Paul Sutterer*
Presenter: Sandra Kretschmer (Friedrich-Alexander University Erlangen-Nuremberg)

Assessing The Performance Of A New Tender For Frequency Regulation Services In Chile, *Donny Holaschutz, Jorge Moreno, Joaquin De La Barra, Lucas Neira, Elizabeth Paduro, Altamiro Pina*
Presenter: Donny Holaschutz (Inodú)

Concurrent Session 89: Storage & Renewables

Presided by: Edson Daniel Lopes Goncalves

Roomchief: Clémence Butin

Presentations: Bidding Strategy Of A Seasonal Storage Hydropower Plant In Reserve Markets, *Laureen Deman, Quentin Boucher, Sonia Djebali, Guillaume Guérard, Cedric Clastres*

Presenter: Laureen Deman (Supergrid Institute)

Current State And Perspectives Of Pumped Hydro Storage In The Electricity System, *Marlene Sayer, Reinhard Haas, Amela Ajanovic*

Presenter: Marlene Sayer (Tu Vienna)

Economics Of Grid-Scale Energy Storage, *Omer Karaduman*

Presenter: Omer Karaduman (Mit Economics)

On The Role Of Electricity Storage In Capacity Remuneration Mechanisms, *Christoph Fraunholz, Dogan Keles, Wolf Fichtner*

Presenter: Christoph Fraunholz (Karlsruhe Institute Of Technology)

Concurrent Session 90: Photovoltaic

Presided by: Santiago Arango Aramburo (U. Nacional de Colombia)

Roomchief: Isaac Olave

Presentations: Economics Of Distributed Pv In Bangladesh, *Govinda Timilsina, Alan Lee*
Presenter: Govinda Timilsina (World Bank Group)

The Impact Of Network Tariffs On Pv Investments - Regional Differentiation And Consumers' Price Perception, *Amelie Sitzmann, Fabian Arnold, Samir Jeddi*

Presenter: Amelie Sitzmann (Energiewirtschaftliches Institut An Der Universität Zu Köln Gmbh (Ewi))

Municipal Building Codes And The Adoption Of Solar Photovoltaics, *Béla Figge, Stefano Carattini, Alexander Gordan, Andreas Löschel*

Presenter: Béla Figge (Dept. Of Economics, Georgia State University)

The Market Value Of Increased Solar Power Production In Winter, *Jonas Savelsberg, Jérôme Dujardin, Moritz Schillinger, Kahl Annelen , Schlecht Ingmar , Lordan-Perret Rebecca*

Presenter: Jonas Savelsberg (Eth Zurich)

Concurrent Session 91: Wind

Presided by: Sarah Stanley

Roomchief: Jean Hassler

Presentations: Value Factor Of Wind Generation In Brazil - Evolution And Prospects, *Diogo Romeiro, Edmar Almeida, Luciano Losekann*
Presenter: Diogo Romeiro (Fgv)

Environmental Effect Of Production, Energy Prices And Innovativeness: The Role Of Onshore Wind Energy In Top Five Contributors To The Eu Economy., *Radosław Ślosarski*

Presenter: Radosław Ślosarski (Gdansk University Of Technology)

Is The Transition To Zero Carbon Power Economically Feasible? The Case Of A 70% Variable Renewables Power System, *Sarah Stanley, Rinalini Lahon, Ciara O'dwyer, Lisa Ryan, Damian Flynn*

Presenter: Sarah Stanley (University College Dublin)

Concurrent Session 92: Electric Vehicle Planning

Presided by: Jakob Puchinger (CentraleSupélec)

Roomchief: Francisco Santos

Presentations: Electric Bus Fleet Mileage Maximization With A Given Schedule Using Integer Programming, *Marius Madsen, Marc Gennat*
Presenter: Marius Madsen (Swk E2, Hochschule Niederrhein)

Planning Electric Vehicle Charging Infrastructure In A Transitioning Community, *Eric Hittinger, Alain Bouscayrol, Elodie Castex, Anatole Desreuveaux*
Presenter: Eric Hittinger (Rochester Institute Of Technology)

The Impact Of Electric Vehicle Storage Capacity In European Decarbonation Goals : Interaction With The Electricity Market Price, *Maria Juliana Suarez Forero, Frederic Lantz, Patrice Geoffron, Pierre Nicolas*
Presenter: Maria Juliana Suarez Forero (Renault)

Concurrent Session 93: Electric Vehicle Economics

Presided by: Ben Hobbs (Johns Hopkins U.)

Roomchief: Wale Arowolo

Presentations: Can Spending To Upgrade Electricity Networks To Support Electric Vehicles (Evs) Roll Out Unlock Value In The Wider Economy?, *Oluwafisayo Alabi*
Presenter: Oluwafisayo Alabi (University Of Strathclyde)

Which Combination Of Battery Capacity And Charging Power For Battery Electric Vehicles: Urban Versus Rural French Case Studies, *Haidar Bassem, Pascal Da Costa, Lepoutre Jan, Fabrice Vidal*
Presenter: Haidar Bassem (Centralesupélec)

Policy-Induced Rebound Effect: The Case Of Green Taxation In The Private Transportation Sector In Israel, *Aviv Steren, Ofir Rubin, Stav Rosenzweig*
Presenter: Aviv Steren (Ben-Gurion University Of The Negev)

Carbon Policy And The Emissions Implications Of Electric Vehicles, *Kenneth Gillingham, Marten Ovaere, Stephanie Weber*
Presenter: Kenneth Gillingham (Yale University)

Concurrent Session 94: Best Student Paper 2

Presided by: Boris Solier (U de Montpellier)

Roomchief: Dianzhou Zhu

Presentations: A Guideline through Complexity: Assessing the Security of Electricity Supply, *Lars Nolting*

Presenter: Lars Nolting (RWTH Aachen University)

Renewable uncertainty and its impacts on market prices, *Philip Schnaars*

Presenter: Philip Schnaars (University of Hamburg)

Evaluating the use of negative emission technologies under China's carbon-neutral target for 2060, *Yuwei Weng*

Presenter: YUWEI WENG (Tsinghua University)

Solar PV and Energy Poverty in Australia's Low-income and Low-wealth Households, *Mara Hammerle*

Presenter: Mara Hammerle (ANU)

Concurrent Session 95: Research Reels Session 2: Energy modelling

Presided by: Cédric Clastres

Roomchief: Jean Pierre Dib

Presentations: A Comparison Of Storage Modelling Methods, Kamaria Kuling

Presenter: Kamaria Kuling (Simon Fraser University)

Quantifying The Benefits Of Cross-Border Reserves In Current And Future European Electricity Systems, *Maren Ihlemann, Kris Poncelet, Arne Van Stiphout, Erik Delarue*

Presenter: Maren Ihlemann (Ku Leuven - Department Of Mechanical Engineering)

Evaluation Framework For The Assessment Of Different Tso-Dso Coordination Schemes, *Leandro Lind, Rafael Cossent*

Presenter: Leandro Lind (Universidad Pontificia Comillas)

Improvement In The Systematic Of Oil And Gas Auction, Making Economically Viable Onshore Small Fields And Increasing Gas Transport Capacity In Brazil, *Olivia Fernandes, Virginia Parente*

Presenter: Olivia Fernandes (University Of São Paulo)

The Impact Of Market Expectations On Supply Elasticity And Price Volatility In The German-Austrian Day-Ahead Electricity Market, *Angela Torres Corona*

Presenter: Angela Torres Corona (Universite Paris-Dauphine)

Intermittancy Reduction: Wind Time-Series Classification., *Kheireddine Sari*

Presenter: Kheireddine Sari (University Of Montpellier)

Wednesday, 9 June 2021

Sessions 96 -103

CEST Time 07:15 - 09:00

Tokyo Time 14:15 - 16:00

EDT 01:15AM - 03:00AM

Concurrent Session 96: Climate Change Mitigation - Case studies

Presided by: Eunnyeong Heo

Roomchief: Icaro Freitas

Presentations: Comparison Of Carbon Footprints Of Digital Currency (Bitcoin) And Gold:
Determination Of The Critical Exchange Rate, *Fehmi Gökem Üçtuğ, Tayyar Can Ünver*

Presenter: Fehmi Gökem Üçtuğ (Izmir University Of Economics)

Updating The Value Of Lost Load For The Optimal Decarbonisation Of Heat
And Power Systems In The Uk, *Mathilde Fajardy, David Reiner*

Presenter: Mathilde Fajardy (University Of Cambridge)

Benefit-Cost Analysis Of Sf6 Emissions Mitigation In The Power Industry,
Yuting Yang, Song Xiao, Yana Jin, Yubei Li, Jingtong Lin

Presenter: Jingtong Lin (Wuhan University)

Concurrent Session 97: Air Pollution

Presided by: Emma Jagu (CentraleSupélec)

Roomchief: Francisco Santos

Presentations: Evaluation Of Emission Factors For Air Pollutants From Biomass Combustion In Lithuania, *Inga Konstantinaviciute, Steigvile Bycenkiene, Kristina Plauskaite-Sukiene, Nerijus Striugas, Marius Sadeckas, Tomas Vonzodas, Nerijus Pedisius*

Presenter: Inga Konstantinaviciute (Lithuanian Energy Institute)

How Do The Economic Activities Influence The Air Quality In China?, *Zhenyu Yao, Yangchuan Wang*

Presenter: Yangchuan Wang (Virginia Tech)

Urbanization And Its Contribution On Haze Pollution Exposure: An Decomposition Analysis For China's City Clusters, *Banban Wang, Xiaojie Liao*

Presenter: Xiaojie Liao (Huazhong University Of Science And Technology)

Concurrent Session 98: Green Gas

Presided by: Michael Pollitt

Roomchief: Felix Carreyre

Presentations: In Searching of biomass resource for gasification in Indonesia, *Yongky Permana Ramlan*

Presenter: Yongky Permana Ramlan (PT PLN (Persero))

Exploiting potential for economies of scale in biogas purification infrastructure, *Anica Mertins, Tim Wawer*

Presenter: Anica Mertins (University of Applied Sciences Osnabrück)

Green gas providers' marketing strategy is out of step with consumer preferences: A comparative analysis of Germany, Austria, Switzerland and the UK, *Carsten Prof. Dr. Herbes, Benedikt Rilling*

Presenter: Carsten Prof. Dr. Herbes (Nuertingen-Geislingen University)

Concurrent Session 99: Climate Policy

Presided by: Natalia Fabra (U. Carlos 3 Madrid)

Roomchief: Isaac Olave

Presentations: Optimal climate policy in the face of tipping points and asset stranding, *Frank Venmans, Simon Dietz, Emanuele Campiglio*
Presenter: Frank Venmans (LSE)

The value of greenhouse gas emission reduction in the EU: A non-parametric and sector-wise approach, *Larissa Fait, Heike Wetzel*
Presenter: Larissa Fait (University of Kassel)

Did Carbon Emissions Behave Differently In The 2020 Recession Than In Past Recessions?, *Xueting Jiang, David Stern*
Presenter: Xueting Jiang (The Australian National University)

Concurrent Session 100: Modeling Demand Response

Presided by: Sébastien Lepaul (EDF)

Roomchief: Yasmine Salehy

Presentations: Electricity Demand Elasticity In Mauritius: An Ardl Bounds Test Approach To Cointegration, *Anna Genave*
Presenter: Anna Genave (Université De La Réunion)

Modeling The Response Of Hourly Electricity Demand To Climate Conditions In Japan, *Yuki Hiruta, Lu Gao, Ashina Shuichi*
Presenter: Yuki Hiruta (National Institute For Environmental Studies)

Household Energy Demand In Uganda: Estimation And Policy Relevance, *Grace Alinaitwe*
Presenter: Grace Alinaitwe (Nmbu)

A Machine Learning Approach To Demand Response Supply Estimation, *Olvar Bergland, Alan Love*
Presenter: Olvar Bergland (Norwegian University Of Life Sciences)

Concurrent Session 101: Wind

Presided by: Efthymios Karangelos (U. de Liege)

Roomchief: Jean Hassler

Presentations: Benefits of spatial integration and deployment coordination: optimal allocation of wind capacity in China, Europe and the USA, *Javier López Prol, Sungmin O, Anxo Calvo Silvosa, Fernando de Llano Paz, Iain Staffel, Stefan Pfenninger*
Presenter: Javier López Prol (Yonsei University - Mirae Campus)

Price guarantee and subsidy in wind farm auctions, *Xinyu Li, Sander Onderstal, Marco Haan, Jasper Veldman*
Presenter: Xinyu Li (University of Groningen)

Pitfalls of insuring renewable energy production: a case study on some wind power auctions in France, *Clement Leblanc, Laurent Lamy*
Presenter: Clement Leblanc (Ecole Nationale des Ponts et Chaussée)

Concurrent Session 102: Electric Vehicle and Decarbonisation

Presided by: Christian Thiel (JRC - EU)

Roomchief: Fawaz Salihou

Presentations: Deep Decarbonization Of The Transport Sector: Banning The Sale Of Conventional Cars, *Shiyu Yan, Eamonn Mulholland*
Presenter: Shiyu Yan (Aarhus University)

How Can Transport Sector Contribute To China's Carbon Neutrality Goal By 2060?, *Runsen Zhang, Tatsuya Hanaoka*
Presenter: Runsen Zhang (Hiroshima University)

Analysis Of Environmental Effects Of Electric Vehicle Diffusion Using The Cge Model, *Jeongeun Lee, Yoonmo Koo*
Presenter: Jeongeun Lee (Seoul National University)

The Analysis Of Electric Vehicle Charging Station Users: Case Study Of Indonesia Electricity Market, *Fajar Haryadi, Dzikri Firmansyah Hakam*
Presenter: Fajar Haryadi (Pln Research Institute)

Concurrent Session 103: Nuclear Cost Economics**Presided by:** Arthur Lynch**Roomchief:** Clémence Butin**Presentations:** Production costs uncertainties of SMR-concepts - A model-based Monte Carlo analysis, Björn Steigerwald, Ben Wealer, *Christian von Hirschhausen, Martin Slowik*Presenter: Björn Steigerwald (Workgroup for Economic - and Infrastructure Policy, University of Technology Berlin)The economics of NPP lifetime extensions - Conceptual approach and lessons from electricity sector modeling in the US, France, and Germany, *Mario Kendzierski, Leonard Göke, Citlali Rodriguez del Angel, Robin Sogalla, Björn Steigerwald, Christian von Hirschhausen, Ben Wealer, Elmar Zozmann*Presenter: Mario Kendzierski (TU Berlin)Sources of cost overruns in nuclear power plant construction, *Magdalena Klemun*Presenter: Magdalena Klemun (The Hong Kong University of Science and Technology)The stakes of nuclear planning optimization in electric systems with renewable energy, *Arthur Lynch, Sophie Gabriel, Yannick Perez, Gilles Mathonniere*Presenter: Arthur Lynch (CEA)

Sessions 104-120

CEST Time 09:15 - 11:00

Tokyo Time 16:15 - 18:00

EDT 03:15AM - 05:00AM

Concurrent Session 104: Renewables Economics**Presided by:** Roger Fouquet (LSE)**Roomchief:** Icaro Freitas

Presentations: Designing Auctions for Renewable Energy Support – Experimental Analysis of Multi-Technology Auctions, *Ann-Katrin Hanke*
Presenter: Ann-Katrin Hanke (Takon GmbH)

Regional Impact of India's Renewable Energy Mandates: An Application of E3 India Model, *Kakali Mukhopadhyay, Vishnu Prabhu*
Presenter: Vishnu Prabhu (Gokhale Institute of Politics and Economics)

Analysis of Market Characteristics and Promotion Strategy of Rooftop PV in Indonesia, *Fajar Haryadi, Dzikri Firmansyah Hakam, Shochrul Ajija*
Presenter: Shochrul Ajija (Department of Economics, Faculty of Economics and Business, Universitas Airlangga)

Concurrent Session 105: Energy Efficiency**Presided by:** Joachim Schleich**Roomchief:** Francisco Santos

Presentations: Long-Term Energy Efficiency And Decarbonization Trajectories For The Swiss Pulp And Paper Industry, *Michel Obrist, Ramachandran Kannan, Thomas Justus Schmidt, Tom Kober*
Presenter: Michel Obrist (Paul Scherrer Institute)

Funding Uk Residential Energy Efficiency: The Economy-Wide Impacts Of Eco And Its Alternatives, *Antonios Katris*
Presenter: Antonios Katris (Faculty Of Humanities And Social Sciences, University Of Strathclyde)

Energy Efficiency And Energy Governance, *Gustavo A. Marrero, Francisco Javier Ramos Real, Josue Barrera Santana*
Presenter: Gustavo A. Marrero (Universidad De La Laguna)

Concurrent Session 106: Electricity Tariff

Presided by: Cédric Clastres

Roomchief: Emma Jagu

Presentations: “Wild” Tariff Schemes: Evidence From Georgia, *Levan Bezhanishvili, Anna Alberini, Milan Ščasný*
Presenter: Levan Bezhanishvili (Faculty Of Social Sciences, Charles University)

Electricity Tariff Implications Of Increasing Adoption Of Behind-The-Meter Technologies In An African Context, *Tim Schittekatte, Mohamed Abdel-Rahman, Mohamed Zakaria Kamh*

Presenter: Mohamed Hendam (European University Institute)

Electricity Tariff Cost Reflectivity And Time Of Use Tariff In Java-Bali System, *Arionmaro Simaremare, Indra Ardhanayudha Aditya*

Presenter: Arionmaro Simaremare (Pt Pln (Persero))

Concurrent Session 107: Hydrogen

Presided by: Olivier Massol (IFP School)

Roomchief: Quentin Hoarau

Presentations: Optimal Hydrogen Supply Chains: Co-Benefits for Integrating Renewable Energy Sources, *Fabian Stöckl, Wolf-Peter Schill, Alexander Zerrahn*
Presenter: Wolf-Peter Schill (DIW Berlin)

Is There a Winner: A Study of Competition Among Hydrogen Technologies, *Svetlana Ikonnikova*

Presenter: Svetlana Ikonnikova (TUM School of Management)

North Africa an alternative location for European hydrogen production?, *Peter Perey, Machiel Mulder*

Presenter: Peter Perey (University of Groningen)

Influence of CO2 taxation and hydrogen utilization on the cost-optimal development of the German power system by 2050, *Soner Candas, Nikolaos Dimitropoulos*

Presenter: Soner Candas (Technical University of Munich)

Concurrent Session 108: Wind

Presided by: Christoph Weber (U. Essen)

Roomchief: Dianzhou Zhu

Presentations: The Impact Of Wind Power Production And Electricity Flow On The Electricity Price Of The New Zealand, *Daniela Macedo, António Cardoso Marques, Olivier Damette*

Presenter: Daniela Macedo (University Of Beira Interior)

Evaluating The Impact Of Wind Generation On The Cost Of Balancing Electricity Demand And Supply In The Uk, *Dilip K Jena, Xiaoyi Mu*

Presenter: Xiaoyi Mu (Centre For Energy, Petroleum And Mineral Law And Policy)

Commercial Cost-Benefit Analysis Of Dogger Bank Windfarm, *Petter Osmundsen, Sindre Lorentzen, Magne Emhjellen-Stendal*

Presenter: Petter Osmundsen (University Of Stavanger)

Long-Term Electricity Market Equilibria With Stochastic Renewable Infeed And Storage, *Christoph Weber*

Presenter: Christoph Weber (University Duisburg-Essen)

Concurrent Session 109: Electricity Markets

Presided by: Laurens de Vries

Roomchief: Jean Hassler

Presentations: Energy Trading In Organized Markets In Brazil – Market Design And Regulatory Issues, *Edson Daniel Lopes Goncalves*

Presenter: Edson Daniel Lopes Goncalves (Fgv - Ceri)

How Would Real-Time Electricity Pricing Affect The Saudi Power Sector In The Long-Run?, *Walid Matar*

Presenter: Walid Matar (KASPARC)

Flow Based Market Coupling In Fundamental Electricity Market Models: Methods And Parametrization For Renewable-Dominant Power Systems, *Richard Weinhold, Robert Mieth*

Presenter: Richard Weinhold (Technische Universität Berlin)

Batteries At The Crossroads Of Electricity Grid Expansion And Load Balancing Problems, *Adrienne De Bazelaire, Yannick Perez, MASSOL Olivier*

Presenter: Adrienne De Bazelaire (RTE)

Concurrent Session 110: Renewables Market Design

Presided by: Prof. Dr. Dominik Möst

Roomchief: Diego Cebreros

Presentations: Are Eu Citizens Willing To Engage With Community-Based Energy Cooperatives? Evidence From A Cross-Country Discrete Choice Experiment, *Hangjian Wu, James Carroll, Eleanor Denny*
Presenter: Hangjian Wu (Department Of Economics, Trinity College Dublin)

Renewable Energy System Integration In Non-Liberalized Electricity Markets, *Juan Jose Diaz Gonzalez, Tim Mennel, Christian Hewicker*
Presenter: Juan Jose Diaz Gonzalez (Dnv Energy Systems Germany Gmbh)

Self-Reinforcing Negative Price Dynamics Under The Variable Market Premium Scheme, *Kristina Nienhaus, Martin Klein, Christoph Schimeczek, Marc Deissenroth, Ulrich Frey*
Presenter: Kristina Nienhaus (German Aerospace Center)

Investing In Energy Transition: A Firm' Perspective, *Svetlana Ikonnikova, Sofia Berdysheva*
Presenter: Sofia Berdysheva (Tum School Of Management)

Concurrent Session 111: Energy Planning

Presided by: Francisco Ramos Real.

Roomchief: Mariana Reyes

Presentations: The Potential Impact of Sufficiency Measures on Energy Demand and Supply Patterns - A Model-Based Scenario Analysis for Germany, *Elmar Zozmann, Gro Lill Økland*

Presenter: Elmar Zozmann (Workgroup for Infrastructure Policy, TU Berlin)

Increasing transport modeling detail in energy planning models: vehicle age distributions; car classes and fuel blending, *Eimantas Neniškis, Arvydas Galinis, Egidijus Norvaisa*

Presenter: Eimantas Neniškis (Lithuanian Energy Institute)

Endogenous Technological Change in Power Market Models, *Jacqueline Adelowo, Valeriya Azarova, Mathias Mier*

Presenter: Jacqueline Adelowo (ifo Institut – Leibniz-Institut für Wirtschaftsforschung an der Universität München e. V.)

A Mixed Method Approach To Modelling Electricity Demand Pathways In Ethiopia, *Elusiyan Eludoyin, Sied Hassen, Robel SeifeMichael, Gabriel Anandarajah*

Presenter: Elusiyan Eludoyin (UCL Energy Institute)

Concurrent Session 112: European Energy and Climate Policy

Presided by: Katrin Millock

Roomchief: Fawaz Salihou

Presentations: What if the Biggest EU Member States had Emulated Sweden's Outstanding Carbon Tax?, *Eoin Ó Broin, Franck Nadaud, Jens Ewald, Érika MATA*
Presenter: Eoin Ó Broin (Centre International de Recherche sur l'Environnement et le Développement (CIRED))

Cooperation in the European Energy Transition: Impacts to the Economy and the Role of Carbon Price Policies, *Thorsten Burandt, Paolo Pisciella, Pedro Crespo del Granado*
Presenter: Paolo Pisciella (NTNU)

Interactions Between Carbon Prices And Electricity Price In Europe: In The Case Of France And Germany, *Thomas Gael Bebga Nguidjoi*
Presenter: Thomas Gael Begba Nguidjoi (University of Dschang)

Concurrent Session 113: Electricity Tariff

Presided by: Florian Perrotton (Enedis)

Roomchief: Wale Arowolo

Presentations: How Does Distributed Generation Affect Economic Efficiency In Electricity Tariffs?, *Mohammad Ansarin, Yashar Ghiassi-Farrokhfal, Wolfgang Ketter, John Collins*
Presenter: Mohammad Ansarin (Rotterdam School Of Management, Erasmus University)

Perceived Price Complexity Of Electricity And Water Tariffs: Learning From The Lab, *Carine Staropoli, Alexandre Mayol*
Presenter: Carine Staropoli (Pse, Université Paris 1)

Prosumage Of Solar Electricity: Tariff Design, Capacity Investments, And Power System Effects, *Claudia Günther, Alexander Zerrahn, Wolf-Peter Schill*
Presenter: Claudia Günther (DIW Berlin)

Concurrent Session 114: Flexibility

Presided by: Felipe Gonzalez Venegas

Roomchief: Jean Pierre Dib

Presentations: Ensuring Flexibility Delivery: The Role Of Penalties On Long-Term Distribution Flexibility Tenders, *Felipe Gonzalez Venegas, Yannick Perez, Marc Petit*
Presenter: Felipe Gonzalez Venegas (Centralesupélec)

Application Of A Scaling Down Method To Study Long Term Effects Of Wind And Solar On The French TSO Tariff, *Thomas Verderi, Sandrine Bortolotti, Laurent Lamy*
Presenter: Thomas Verderi (RTE/Cired)

Market Participance Of Retail Customer Flexibility By Pooling, *Regina Hemm, Johanna Spreitzhofer, Christian Fuchs, Stefan Hauer, Tara Esterl, Paul Sumerauer, Christoph Bacher*
Presenter: Regina Hemm (AIT Austrian Institute Of Technology Gmbh)

Impact Of Grid Charge Mechanisms On Prosumers And The Energy System, *Christoph Schick, Nikolai Klemp, Kai Hufendiek*
Presenter: Christoph Schick (Institute Of Energy Economics And Rational Energy Use (IER), University Of Stuttgart)

Concurrent Session 115: Residential Energy Efficiency

Presided by: Matthieu Glachant (Mines)

Roomchief: Théotime Coudray

Presentations: Household efficiency in the use of energy: input demand frontier approach, *Janez Dolšak, Nevenka Hrovatin, Jelena Zoric*
Presenter: Janez Dolšak (School of Economics and Business, University of Ljubljana)

An Overview of Residential Energy Demand Elasticity Estimates for Canadian Provinces – A Multi-Model Approach, *Lukas Hansen*
Presenter: Lukas Hansen (Canada Energy Regulator)

The Value Of Energy Efficiency In Residential Buildings – A Matter Of Heterogeneity?!, *Joachim Geske*
Presenter: Joachim Geske (Imperial College London)

Maximising consumer ability to manage electricity demand, *Lee White, Emma Aisbett, Christa Shen*
Presenter: Lee White (Australian National University)

Concurrent Session 116: Oil

Presided by: Emmanuel Hache (IFPEN)

Roomchief: Maria Juliana

Presentations: Connectedness between Crude Oil and Equity Markets during the Pre-and-Post Financialization Era, *Sania Wadud, Robert B. Durand*
Presenter: Sania Wadud (University of Aberdeen)

Modelling offshore oil and gas decommissioning decision under oil price uncertainty and financial security obligations: a case study of the UKCS, *Arturo Regalado, alexander kemp, Yakubu Abdul-Salam, Alisdair Macpherson*
Presenter: Arturo Regalado (National Decommissioning Centre)

The Lithium Industry And The Analysis Of The Beta Term Structure Of Oil Companies, *Manuel Monge, Luis A. Gil-Alana*
Presenter: Manuel Monge (Fundación Universidad Francisco de Vitoria)

Concurrent Session 117: Electric Vehicle Planning

Presided by: Vincent Rious (RTE)

Roomchief: Gaby Abdel Nour

Presentations: Planning Charging Infrastructure Deployment: A New Spatio-Temporal Model, *Marc-Olivier Metais, Oualid Jouini, Yannick Perez, Jaâfar Berrada, Emilia Suomalainen*
Presenter: Marc-Olivier Metais (Centralesupelec)

Timing Is Everything: Optimal Ev Charging To Maximize Welfare, *Miguel Castro*
Presenter: Miguel Castro (Neo-Plan)

Economic And Environmental Benefits Of Electric Vehicle Smart Charging In A Large-Scale Ev Integration Scenario For France, *Simona De Lauretis, Alberto Tejeda De La Cruz, Florian Bourcier, Mathilde Françon, Cécile Goubet, Cédric Léonard*
Presenter: Simona De Lauretis (RTE)

Concurrent Session 118: Information and Energy Efficiency

Presided by: Pascal Da Costa

Roomchief: Lea Crepin

Presentations: The Effect Of Providing Monetary Information On Energy Savings For Household Appliances: A Field Trial In Spain, *Maria Del Mar Solà, Amaya De Ayala, Ibon Galarraga*
Presenter: Amaya De Ayala (University Of The Basque Country (Upv/Ehu))

Do Electronic Home Energy Reports Promote Energy Conservation? It Depends, *Kathrin Kaestner, Mark A. Andor, Colin Vance*
Presenter: Kathrin Kaestner (Rwi - Leibniz Institute For Economic Research)

Nudging Occupants' Behaviour Towards Less Energy Consumption In Buildings, *Rabab Akkouche, Sandrine Selosse, Gilles Guerassimoff*
Presenter: Rabab Akkouche (Mines Paristech)

Concurrent Session 119: Electricity Markets**Presided by:** Yannick Perez**Roomchief:** Maria Rojas

Presentations: Independent Aggregation In The Nordic Day-Ahead Market: Potential Impact Of Different Supplier Compensation Mechanisms, *Karlis Baltputnis, Tim Schittekatte, Zane Broka*
Presenter: Karlis Baltputnis (Riga Technical University)

The Effect Of Voluntary Bids On Balancing Market Efficiency: Simulation-Based Analysis, *Ksenia Poplavskaya, Jesus Lago García, Laurens De Vries*
Presenter: Ksenia Poplavskaya (Ait Austrian Institute Of Technology Gmbh)

Market Transparency Through A Common Data Platform: Evidence From Nord Pool, *Ewa Lazarczyk, Chloe Le Coq*
Presenter: Ewa Lazarczyk (Ru)

Measuring The Impact Of Near-Real Time European Balancing Platforms On Transmission Network Congestion, *Marie Girod, Viktor Terrier, Virginie Dussartre, Jean-Yves Bourmaud, Sandrine Bortolotti, Yannick Perez, Oualid Jouini*
Presenter: Marie Girod (Rte/Centrale Supélec)

Concurrent Session 120: Emissions in Electricity

Presided by: Guido Pepermans

Roomchief: Thomas Brouhard

Presentations: The Zonal And Seasonal Co2 Marginal Emissions Factors For The Italian Power Market, *Filippo Beltrami, Luigi Grossi, Fulvio Fontini, Monica Giulietti*
Presenter: Filippo Beltrami (University Of Verona)

Varying Impact Of Intermittent Supply On Hourly Day-Ahead Electricity Prices, *Cristian Stet, Ronald Huisman*
Presenter: Cristian Stet (Erasmus University Rotterdam)

Emission Intensities In The Australian National Electricity Market – An Econometric Analysis, *Fatemeh Nazifi, Stefan Trueck*
Presenter: Fatemeh Nazifi (Macquarie University)

Carbon Fuel Sources And Electricity Prices In Europe: Why U.S. Energy Market Policies Matter, *Atle Oglend, Petter Osmundsen*
Presenter: Atle Oglend (University Of Stavanger)

Sessions 121-138

CEST Time 17:00 - 19:00

Tokyo Time 00:00 - 02:00

EDT 11:00AM - 01:00PM

Concurrent Session 121: Growth**Presided by:** Haikel Khalfallah**Roomchief:** Icaro Freitas

Presentations: Investigating Decoupling and Structural Dynamics via the "HARMONEY" Biophysical Economic Growth Model, *Carey King, Sajed Sadati*
Presenter: Carey King (University of Texas at Austin)

Can you have your growth and eat it too? : Trade-offs between green growth and pro-poor growth in Brazil, *Swaroop Rao, David Grover, Dorothée Charlier*
Presenter: Swaroop Rao (Grenoble Ecole de Management/Université Savoie Mont Blanc)

The macroeconomic effects of climate shocks in Europe, *Marta Maria Pisa, Francesco Simone Lucidi, Massimiliano Tancioni*
Presenter: Marta Maria Pisa (Sapienza University of Rome)

Ecological and Economic Assessment of Photovoltaic Technologies, *Steffen Lewerenz, Hendrik Lambrecht*
Presenter: Steffen Lewerenz (Institut für Industrial Ecology (Pforzheim University))

Concurrent Session 122: Energy and Local Issues

Presided by: Alexandre Mayol

Roomchief: Francisco Santos

Presentations: Regionalized Input-Output Modeling to Assess the Impacts of Energy Transition Investments on the Local Economy: The Case of Schleswig-Holstein, *Lucas Croé, Reinhard Madlener*

Presenter: Lucas Croé (Institute for Future Energy Consumer Needs and Behavior)

Los Angeles 100% Renewable Energy Study: Aggregate And Distributional Economic Impacts, *Harvey Cutler, Adam Rose, Martin Shields, Dan Wei, David Keyser*

Presenter: Adam Rose (USC)

Effects on local value-added and employment from transforming energy supply in an urban neighbourhood, *Anne Nieters*

Presenter: Anne Nieters (Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM)

Accounting for socio-technical nodes in future sustainable heat strategies for French residential buildings, *Zixuan Wang*

Presenter: Zixuan Wang (CMA (Center for Applied Mathematics))

Concurrent Session 123: Energy Efficiency Policies

Presided by: Matt Woerman

Roomchief: Emma Jagu

Presentations: Heating Externalities In Multi-Family Housing: Significance, Incidence And Regulation, *Dorothee Charlier, Louis-Gaëtan Giraudet*
Presenter: Dorothee Charlier (Universite Savoie Mont Blanc)

Assessing The Effectiveness Of Energy Efficiency Measures In The Residential Sector Through Dynamic Treatment Effects: Evidence For The United Kingdom, *Cristina Peñasco, Laura Diaz Anadon*
Presenter: Cristina Peñasco (University Of Cambridge)

Using Targeting To Optimize Program Design: Evidence From An Energy Conservation Experiment, *Muxi Yang, Todd Gerarden*
Presenter: Muxi Yang (Cornell University)

Low-Cost Ghg Reductions From Higher End-Use Gas Efficiencies, *William Kemp, Natallia Pinchuk*
Presenter: William Kemp (Roland Berger Lp)

Concurrent Session 124: Energy Systems Modeling**Presided by:** Ibrahim Abada (ENGIE)**Roomchief:** Quentin Hoarau

Presentations: Spatio-Temporal Analysis Of Sector Coupling Pathways: Combining Top-Down And Bottom-Up Approaches For The German Case, *Christina Kockel, Lars Nolting, Jan Priesmann, Aaron Praktijnjo*
Presenter: Christina Kockel (Rwth Aachen University)

Interactions Of Flexibility Demand And Flexibility Provision In A Multi-Coupled Energy System With High Shares Of Renewable Energy, *Christoph Zöphel*
Presenter: Christoph Zöphel (Tu Dresden, Chair Of Energy Economics)

A Review Of Lessons From Combined Modelling Approaches In Assessing Energy And Climate Policies, *Nastaran Arianpoo, Kamaria Kuling, Andrew S. Wright, Taco Niet*
Presenter: Nastaran Arianpoo (Simons Fraser University)

Become A Serial Winner: How To Replicate The H2-Vision Project In The Netherland To Elsewhere In The World?, *Yayun Chen, Ning Lin, Ramon Gil-Egui*
Presenter: Yayun Chen (Texas A&M University)

Concurrent Session 125: RES Case Studies

Presided by: Helder Pinto Jr (UFRJ)

Roomchief: Joseph Mansour Salamé

Presentations: Renewable Energies In The Eu - Historic Trends And Future Expectations From An Energy Policy Perspective, *Gustav Resch, Jasper Geipel, Franziska Schöninger, Lukas Liebmann, Reinhard Haas*
Presenter: Gustav Resch (Technische Universität Wien)

Facing The Technical And Economic Challenges Of The Energy Transition: Lessons From The Brazilian Experience, *William Clavijo, Edmar Almeida, Luciano Losekann*
Presenter: William Clavijo (Federal University Of Rio De Janeiro)

Energy Transition And Saudi Arabia's Oil Exports's, *Muhammad Javid*
Presenter: Muhammad Javid (King Abdullah Petroleum Studies And Research Center)

Renewable Energies In Senegal: Significance And Challenges Of Local Small And Medium-Sized Enterprises, *Dorothee Apfel, Carsten Prof. Dr. Herbes*
Presenter: Dorothee Apfel (Nuertingen-Geislingen University)

Concurrent Session 126: EV and DERs

Presided by: Yannick Perez

Roomchief: Tjark Gall

Presentations: The Future of Electric Vehicle Adoption: A Theoretical Approach, *Derya Eryilmaz*

Presenter: Derya Eryilmaz (Charles River Associates)

Energy Management System of a residential Microgrid with Vehicle-to-Home (V2H) and Vehicle-to-Grid (V2G) energy services, *Mohamed Saâd El Harrad, Nakhla Michel*

Presenter: Mohamed Saâd El Harrab (Mines ParisTech)

Towards Information-aware Policymaking on DER remuneration, *Jip Kim, Sylwia Bialek, Burcin Unel, Yury Dvorkin*

Presenter: Jip Kim (New York University)

Analysis of the interaction of distribution tariffs with households' adoption of Distributed Energy Resources: an agent-based modelling approach, *Jorge Moncada, Zhenmin Tao, Pieter Valkering, Frank Meinke-Hubeny, Erik Delarue*

Presenter: Jorge Moncada (KU Leuven)

Concurrent Session 127: Petroleum Economics

Presided by: Maxime Schenckery (IFPEN)

Roomchief: Diego Cebrenros

Presentations: The Effects Of Fiscal Changes On Auction Performance, *Igor Hernandez*

Presenter: Igor Hernandez (Rice University)

Key Drivers Of Exploration Success Rates On The Ncs, *Sindre Lorentzen, Petter Osmundsen*

Presenter: Sindre Lorentzen (University Of Stavanger)

Opec+'S "Reasonable Oil Price Level" Notion And The External Breakeven In Saudi Arabia, Russia And Canada: Accounting For CyclicalitY And Geopolitics, *Noha Razek, Emilson Silva, Nyakundi Michieka*

Presenter: Noha Razek (University Of Regina)

Concurrent Session 128: Fuel Pricing

Presided by: Frederic Lantz (IFP)

Roomchief: Mariana Reyes

Presentations: Asymmetric Transmission Of Gasoline Prices In Brazil: Impacts Of The New Petrobras Strategy And Influence Of Ethanol Mandate, *Francisco Raeder, Niágara Rodrigues, Luciano Losekann*
Presenter: Francisco Raeder (Universidade Federal Fluminense)

Price Pass-Through Dependence On The Source Of Cost Increases: Evidence From The European Gasoline Market, *Michael Polemis, George Deltas*
Presenter: Michael Polemis (University Of Piraeus)

Recent Social Upheavals Against Fuel Price Increases: Case Studies And Key Factors, *Bruno Valle De Moura, Luis Eduardo Esteves*
Presenter: Bruno Valle De Moura (ANP)

Concurrent Session 129: Unconventional Fossil Resources

Presided by: Gerardo Rabinovich (IAE, Buenos Aires)

Roomchief: Fawaz Salihou

Presentations: Prospects For A Second Peak In U.S. Oil Supplies, *Roberto Ferreira Da Cunha*
Presenter: Roberto Ferreira Da Cunha (Berkeley Research Group)

Consequences Of Government Intervention In North American Heavy Oil Markets: Evidence From Alberta's Curtailment, *Brandon Schaufele, Jennifer Winter*
Presenter: Brandon Schaufele (Ivey Business School, Western University)

Scenarios For The Development Of Unconventional Hydrocarbon Resources In Argentina. Vaca Muerta Field's Case, *Gerardo Rabinovich, Luciano Caratori*
Presenter: Gerardo Rabinovich (Instituto Argentino De La Energia)

Concurrent Session 130: Electricity Demand

Presided by: Juan Rosellón (CIDE)

Roomchief: Wale Arowolo

Presentations: Committing to flexibility: A field experiment on household demand, *Penelope Buckley, Fadhuile Adélaïde, Llerena Daniel, Beatrice Roussillon*
Presenter: Beatrice Roussillon (University Grenoble Alpes)

Retail Choice Impact on Consumer Behavior, *Derya Erylmaz, Margarita Patria*
Presenter: Margarita Patria (Charles River Associates)

Regional flexibility markets and flexible use of residential heat pumps: Empirical findings from a choice experiment among German households, *Jonas Bender, Larissa Fait, Heike Wetzel*
Presenter: Jonas Bender (University of Kassel)

Dynamics in New Zealand's direct and embodied energy consumption between 2006/2007 and 2012/2013, *Le Wen, Fengtao Guang, Basil Sharp*
Presenter: Le Wen (The University of Auckland)

Concurrent Session 131: Gas Economics

Presided by: Edmar de Almeida (UFRJ)

Roomchief: Jean Pierre Dib

Presentations: Relative role of electricity and gas in a carbon neutral future: Insights from an energy system optimization model, *Behrang Shirizadeh*
Presenter: Behrang Shirizadeh (Deloitte / CIRED)

Obsolescence of the gas distribution grid in urban areas: An open-source modeling approach for the gas face-out in local neighborhoods, *Sebastian Zwickl-Bernhard*
Presenter: Sebastian Zwickl-Bernhard (TU Wien)

Challenges and Opportunities of LNG in Brazilian market by the Government Program "New Gas Market", *Lauren Arend, Drielli Peyerl, Edmilson Santos*
Presenter: Lauren Arend (USP/IEE)

Concurrent Session 132: Electricity Market Creation

Presided by: Jean-Michel Glachant (EUI)

Roomchief: Théotime Coudray

Presentations: Efficiency vs. Equity: Evaluating the impacts of reforming and integrating China's electricity market, *Feng Song, Jian Cui, Hao Chen*
Presenter: Jian Cui (Renmin University of China)

Electricity Market Introduction in China: Form over Function?, *Valerie Karplus, Michael Davidson*
Presenter: Michael Davidson (University of California, San Diego)

Democracy and Electricity: Institutions, Industrial Representation and Technology Deployment Rates, *Zeynep Clulow, David Reiner*
Presenter: Zeynep Clulow (University of Cambridge)

Concurrent Session 133: Electricity Tariff

Presided by: Astier Nicolas (PSE)

Roomchief: Maria Juliana

Presentations: Unfolding distributed demand-response through future-proof tariff design: Benefits and consumer reaction to future tariff design, *Clément Cabot, Manuel Villavicencio*
Presenter: Clément Cabot (Mines ParisTech)

The Effect of Low-carbon Technology Diffusion on the Adoption of Electricity Tariffs for Demand Response, *Christine Gschwendtner*
Presenter: Christine Gschwendtner (ETH Zurich)

Dynamic electricity tariffs - Designing reasonable pricing schemes for private households in Germany, *Victor Von Loessl, Julia Freier, Heike Wetzel*
Presenter: Victor Von Loessl (University of Kassel)

Concurrent Session 134: TSO/DSO

Presided by: Jean-Yves Bourmaud (RTE)

Roomchief: Pierre Cayet

Presentations: Tradeoff Between Demand-Side Flexibility And Distribution Grids Investment: The Potential And Regulatory Choices, *Athir Nouicer, Leonardo Meeus, Erik Delarue*
Presenter: Athir Nouicer (Florence School of Regulation/ KU Leuven University)

Regulatory Incentives for Transmission System Operators under Flow-Based Market Coupling, *Michiel Kenis, Kenneth Bruninx, Fernando Dominguez, Erik Delarue*
Presenter: Michiel Kenis (KU Leuven & EnergyVille)

Markets vs. regulated pricing for access to distribution networks, *Christine Brandstaett, Rahmat Poudineh*
Presenter: Christine Brandstaett (Jacobs University Bremen)

Who Knows What: Information Barriers to Efficient DER Roll-Out, *Sylvia Bialek, Yury Dvorkin, Burcin Unel, Jip Kim*
Presenter: Sylvia Bialek (Institute for Policy Integrity, New York University)

Concurrent Session 135: Electricity Cost and Investment

Presided by: Alexandra Bonanni (Capgemini)

Roomchief: Lea Crepin

Presentations: Levelized Full System Costs of Electricity, *Robert Idel*
Presenter: Robert Idel (Baker Institute for Public Policy at Rice University)

System costs of European electricity transmission system operators – A benchmark, *Sandra Torras Ortiz, Andreas Semmig*
Presenter: Sandra Torras Ortiz (TransnetBW GmbH)

MENA Power Investment Outlook 2020-2024, *Suhail Shatila, Ramy Al-Ashmawy, Leila Benali*
Presenter: Suhail Shatila (APICORP)

Concurrent Session 136: Storage

Presided by: Bernard Sahut (Stellantis Group)

Roomchief: Maria Rojas

Presentations: Prospective In The Global Value Of Lithium Ion Battery: A Criticality Analysis, *Hache Emmanuel, Seck Gondia Sokhna*
Presenter: Hache Emmanuel (Ifpen)

An Alternative Approach To Analyze Competitiveness Between Storage Technologies Using Lcos, *Etienne Sorin, Fabien Bricault*
Presenter: Etienne Sorin (Edf R&D)

Mergers And Acquisitions In The Lithium Industry. A Fractional Integration Analysis, *Manuel Monge, Luis A. Gil-Alana, Enrique Cristobal*
Presenter: Enrique Cristobal (University Of Navarra)

Successful Policies To Promote The Dissemination Of Battery Electric Vehicles, *Marina Siebenhofer, Amela Ajanovic, Reinhard Haas*
Presenter: Marina Siebenhofer (Tu Wien)

Concurrent Session 137: European Power Systems

Presided by: Pablo Frias (U. Comillas)

Roomchief: Thomas Brouhard

Presentations: Zonal Pricing In Germany – A Preferable Tradeoff Between Ndal And Uniform Pricing?, *Alfredo Zamora, Christoph Weyhing*
Presenter: Alfredo Zamora (Workgroup For Infrastructure Policy (Wip) At Berlin Institute Of Technology (Tu Berlin))

Enlarging The Flow-Based Domain In The European Day-Ahead Market Clearing Through The Integration Of Grid Flexibilities And Costly Remedial Actions, *Emily Little, Adrien Atayi, Jean-Yves Bourmaud, Sandrine Bortolotti, Marjorie Cosson, Efthymios Karangelos, Yannick Perez*
Presenter: Emily Little (Rte)

The Value Of Flexible Electricity Demand In A Future Sector-Coupled European Energy System, *Steffi Schreiber*
Presenter: Steffi Schreiber (Chair Of Energy Economics, Technische Universität Dresden)

Concurrent Session 138: District Heating**Presided by:** Bianka SHOAI-TEHRANI**Roomchief:** Clémence Butin

Presentations: Transformation Paths Of Local District Heating In Germany, *Pedro Giron, Britta Zimmermann, Elias Döre, Marian Alexander Dreher*
Presenter: Pedro Giron (Fraunhofer IEE)

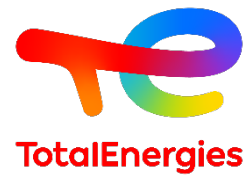
Residential District Heating Demand In Denmark: Empirical Evidence Using Dynamic And Static Panel Approaches, *Gianluca Trotta, Anders Rhiger Hansen, Stephan Sommer*
Presenter: Gianluca Trotta (Aalborg University Copenhagen, Department Of The Built Environment)

Role Of Cogeneration And Heating Networks In Renewable Energy Systems, *Leonard Göke, Mario Kendziorowski*
Presenter: Leonard Göke (Tu Berlin, Workgroup For Infrastructure Policy)

Decarbonisation Of Energy Consumption Through Electrification : Right Or Wrong ? The Case Of Heating In France., *Bianka Shoai-Tehrani, Emeric Benoni, Arnoux Jean-Baptiste, Gaëlle Lestage, Arnaud Mainsant, Albane Gaspard, Vincent Rious*
Presenter: Bianka Shoai-Tehrani (RTE)

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