

Conference Agenda

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Daily Overview

Date: Wednesday, 26/Aug/2026

8:45am - 9:00am	Registration Location: S07 S00 D07		
9:00am - 9:15am	Welcome & Introduction Location: S07 S00 D07		
9:15am - 10:15am	Keynote - David Gohsen: Navigating Geopolitics, Regulation, Cost Pressure, and Climate Ambitions – How can Europe's Chemical Industry compete? Location: S07 S00 D07		
10:30am - 12:00pm	1.1: Renewable Energies Location: R11 T03 C20 10:30am - 11:00am Are Renewables Competitive? How Much, Where and Why? Pascal Fröhlich , Maximilian Bernecker, Felix Müsgens Brandenburg University of Technology, Germany 11:00am - 11:30am Hedging Renewables with Location Spreads Tobias Kargus ¹ , Roberto Baviera ² 1: Karlsruhe Institute of Technology (KIT), Germany; 2: Politecnico di Milano, Italy 11:30am - 12:00pm Internalizing local disamenities in onshore wind cost-potential curves: Evidence from Germany Yannik Pflugfelder Universität Duisburg-Essen, Germany	2.1: Electricity Market Design and Price Risk Location: R11 T03 C05 Chair: Arnd Hofmann ; arnd.hofmann@wiwinf.uni-due.de 10:30am - 11:00am The impact of renewable energy forecast errors on short-term congestion management Tim Jäger , Prof. Dr. Oliver Ruhnau, Felix Kaminski University of Cologne, Germany 11:00am - 11:30am From Energy Scarcity to Flexibility Scarcity: A Risk-Based Framework for Valuing Flexibility Across Time Horizons in Renewable Power Systems Johannes Rauch Johannes Rauch Advisory, Germany 11:30am - 12:00pm The price cannibalization effect in the Polish Electricity Market: An empirical analysis (2021-2025) Dawid Bonar Kraków University of Economics, Poland	3.1: Battery energy storage Location: R11 T03 C82 Chair: Souhir Ben Amor 10:30am - 11:00am Joint probabilistic forecasting for battery arbitrage in day-ahead power markets Alla Petukhina ¹ , Cosmin Cepoi ³ , Stefan Lessmann ² , Daniel Pele ³ , Alexandru Andrei ³ , Bogdan Andrei Dumitrescu ³ 1: HTW Berlin, Germany; 2: HU Berlin, Germany; 3: ASE Bucharest, Romania 11:00am - 11:30am Multi-Factor Stochastic Price Modeling for Battery Storage Real Option Valuation: A Framework with Peak/O!peak Dynamics Andreas Heinen ¹ , Carlos Epia ^{1,2} 1: Hochschule Flensburg, Germany; 2: Europa Universität Flensburg, Germany 11:30am - 12:00pm Robust Multi-Market Dispatch of Battery Energy Storage Under Market Uncertainty Leon Tadayon , Georg Frey Saarland University, Germany
12:00pm - 1:00pm	Lunch Day 1 Location: S07 S00 D07		
1:00pm - 2:00pm	1.2: Electricity Price Forecasting I Location: R11 T03 C20 Chair: Florian Ziel 1:00pm - 1:30pm Forecasting Electricity Prices via a Smooth Transition Regression Model Sven Hellbusch , Maren Schmeck Bielefeld University, Germany 1:30pm - 2:00pm	2.2: Consumer Tariffs and Risk Preferences Location: R11 T03 C05 Chair: Christoph Weber 1:00pm - 1:30pm How Much Compensation Do Households Demand for Giving Up Price Stability? Risk Premia in Electricity Plan Choice Mark Andor , Julian Fischer, Eva Hümmecke , Lukas Tomberg RWI – Leibniz Institute for Economic Research, Germany	3.2: Infrastructure Planning and Decision Analysis Location: R11 T03 C82 Chair: Souhir Ben Amor 1:00pm - 1:30pm Optimal Hydrogen Hub Configuration Under Pipeline Delay: A Multi-Year Scenario Optimization Melanie Ruschke , Daniel Bull, Marco Braun Karlsruhe University of Applied Sciences, Germany

	Short-Term Electricity Price Forecasting for the Continuous Intraday Market in Germany: A control area-specific approach <u>Mathis Wilz</u>¹, Richard Lackes² 1: TU Dortmund, Germany; 2: TAU Istanbul, Turkey	1:30pm - 2:00pm When Knowledge Does Not Pay Off: Electricity Tariff Literacy, Vulnerability, and Behavior <u>Stefan Poier</u>¹, Robert Gaschler¹, Michael Bucksteeg^{1,2} 1: FernUniversität in Hagen, Germany; 2: Institute of Energy Economics (EWI), University of Cologne, Germany	1:30pm - 2:00pm Multi Criteria Decision Analysis incorporating stakeholder perspectives: A case study of energy system modelling in urban districts <u>Lion Rudi</u>, Semih Severengiz Bochum University of Applied Sciences, Sustainable Technologies Laboratory, Germany
2:00pm - 2:30pm	Coffee Break (1) Location: R11 T03 C75		
2:30pm - 4:00pm	1.3: Electricity Price Forecasting II Location: R11 T03 C20 Chair: Florian Ziel 2:30pm - 3:00pm Can Time Series Foundation Models predict the unknown? Comparing uncertainty quantification in Day-ahead and Imbalance market price forecasts <u>Chi Bui</u>¹, Margarida Mascarenhas², Arnaud Verstraeten³, Hussain Kazmi² 1: ELECTA-ESAT, KU Leuven; 2: ELECTA-ESAT, KU Leuven, and EnegyVille; 3: ELECTA-ESAT, KU Leuven, and Gridual 3:00pm - 3:30pm The Right Model for the Right Time: Applying Mixture of Experts for Electricity Price Forecasting Julian Sauerbier, <u>Nick Frowerk</u>, Alexander Szimayer University of Hamburg, Germany 3:30pm - 4:00pm Modeling Choices for European Electricity Price Forecasting in Interconnected Markets <u>Sultan Mahmud Chomon</u>, Florian Ziel University of Duisburg-Essen, Germany	2.3: Power System Planning under Uncertainty Location: R11 T03 C05 Chair: Christoph Weber 2:30pm - 3:00pm A Multi-Horizon Scenario Tree Framework for Uncertainty-Aware Power System Planning <u>Felix Wedding</u>¹, Christian Rehtanz¹, Ángela Flores-Quiroz² 1: Institute of Energy Systems, Energy Efficiency and Energy Economics, TU Dortmund University, Dortmund, Germany; 2: Department of Electrical Engineering, University of Chile, Santiago, Chile 3:00pm - 3:30pm Climate Uncertainty and Power System Planning: A Multi-Model Deep Uncertainty Framework — A Case Study of Indonesia <u>Hariadi Aji</u>^{1,2}, Nihit Goyal¹, Stefan Pfenninger-Lee¹, Igor Nikolic¹ 1: TU Delft, The Netherlands; 2: PT PLN (Persero), Indonesia 3:30pm - 4:00pm Assessing Power System Resilience to Extreme Weather Conditions: A Probabilistic Decision Analysis Framework <u>Himali Talware</u>, Prashant Pant, Thomas Hamacher Technical University of Munich, Germany	3.3: Battery energy storage and Trading Strategies in Electricity Markets Location: R11 T03 C82 Chair: Souhir Ben Amor 2:30pm - 3:00pm Optimal Intraday Trading of Renewable Energy Under Price Impact and Forecast Uncertainty <u>Paul Ghelasi</u>, Florian Ziel University of Duisburg-Essen, Germany 3:00pm - 3:30pm Power-Trading and Constraint Reinforcement Learning <u>Attila Sarkany</u>¹, Jens Soerlie Kvaerner², Lukas Janasek³ 1: Charles university, Czech Republic (Czechia); 2: Department of Finance, BI Norwegian Business School; 3: Charles university, Czech Republic (Czechia) 3:30pm - 4:00pm Improving Algorithmic Trading for BESS on Intraday Electricity Markets through Distributional Price Forecasts <u>Simon Hirsch</u>^{1,2}, David Schaurecker³, David Wozabal⁴ 1: University of Duisburg-Essen; 2: Statkraft; 3: Eidgenössische Technische Hochschule (ETH) Zürich; 4: Vrije Universiteit Amsterdam
5:00pm - 6:30pm	Social Event		
7:00pm - 9:45pm	Conference Dinner		

Date: Thursday, 27/Aug/2026

8:45am - 9:45am	1.4: Forecasting in Energy Markets Location: R11 T03 C20 Chair: Florian Ziel 8:45am - 9:15am Analysis of Day-Ahead Electricity Auction Curve Dynamics: Measuring and Decomposing Price–Quantity Curve Volatility Alessandro Zani¹, Mara Sabina Bernardi¹, Luigi Grossi², Andrea Cerasa¹ 1: European Commission, Joint Research Centre, Ispra, Italy; 2: University of Parma, Parma, Italy 9:15am - 9:45am Market integration and the geography of electricity tail risk. Evidence from Nordic price areas Bjarne Sæther, Anne Neumann Norwegian University Of Science And Technology, Norway	2.4: Flexibility Valuation and Grid Operations Location: R11 T03 C05 Chair: Christoph Weber 8:45am - 9:15am Executable-Price-Based Valuation of Flexible Generation Assets in Fragmented Intraday Electricity Markets Michael Schürle University of St. Gallen, Switzerland 9:15am - 9:45am Do Grid-Operator Batteries Make Economic Sense for Redispatch Substitution? An Open-Data Analysis of Virtual Power Lines Luca Hofstadler^{1,2}, Catalin Gavriluta¹, Jochen Stiasny², Jochen Cremer² 1: AIT Austrian Institute of Technology GmbH, Austria; 2: TU Delft, The Netherlands	3.4: Emerging Flexibility Resources Location: R11 T03 C82 Chair: Souhir Ben Amor 8:45am - 9:15am Assessing the Readiness of German Grid Operators for Vehicle-to-Grid: A Maturity Model Perspective Luca Husemann, David Meyer, Heike Proff University of Duisburg-Essen, Germany 9:15am - 9:45am Beyond Waste Heat: Assessing Temporal and Spatial Flexibility Potentials of Data Centers in Future Energy Systems Daniel Brunsch, Tobias Ader, Christoph Weber University of Duisburg-Essen, Germany
9:45am - 10:15am	Coffee Break (2) Location: R11 T03 C75		
10:15am - 11:15am	Keynote - Audun Botterud Location: S07 S00 D07		
11:30am - 1:00pm	1.5: Renewable Energy Forecasting and Weather Risks Location: R11 T03 C20 Chair: Florian Ziel 11:30am - 12:00pm Rethinking Complexity in ML-Based Renewable Energy Forecasting: Competitive National-Scale Wind and Solar Power Forecasts with Bayesian-Optimised MLPs Milan Wanek Technische Universität Berlin, Germany 12:00pm - 12:30pm Inductive Spatio-Temporal Graph Modeling for Wind Speed Prediction: Leveraging Heterogeneous NWP Nodes in DCRNNs Viktor Walter¹, Andreas Wagner^{1,2} 1: Karlsruhe University of Applied Sciences, Germany; 2: Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany 12:30pm - 1:00pm How Technology and Modelling Choices Shape European Wind and Solar Energy Droughts and Stress Events Lukas Karkossa, Aleksander Grochowicz, Marta Victoria	2.5: Energy Policy, Buildings and Behaviour Location: R11 T03 C05 Chair: Christoph Weber 11:30am - 12:00pm Rethinking the Energy Performance Gap: A Causal Inference Approach to Comparing Demand- and Consumption-Based EPCs in German Residential Buildings Lisa Sieger, Tobias Ader, Daniel Brunsch, Christoph Weber University of Duisburg-Essen, Germany 12:00pm - 12:30pm Present bias reshapes the cost efficiency of solar support polici Michael Bucksteeg^{1,2}, Mensur Delic¹, Marco Breder³, Daniel Brunsch³, Julian Radek³ 1: FernUniversität in Hagen, Germany; 2: Institute of Energy Economics, University of Cologne, Germany; 3: University of Duisburg-Essen, Germany 12:30pm - 1:00pm Energy Efficiency, Investment Constraints, and GDP Growth in Net-Zero Transitions: Evidence from Vietnam Christoph Schult, Katja Heinisch	3.5: Hedging in Energy Markets Location: R11 T03 C82 Chair: Souhir Ben Amor 11:30am - 12:00pm Hedging stocks with carbon allowances Lina Franziska Lautner Technische Universität Chemnitz, Germany 12:00pm - 12:30pm Horizon-Dependent Risk Transfer in Energy Transition Metals: Evidence from Cobalt, Lithium and Nicke František Čech^{1,2}, Jiri Mikulenska^{1,2} 1: Charles University, Institute of Economic Studies, Czech Republic (Czechia); 2: Institute of Information Theory and Automation Czech Academy of Sciences

	Technical University of Denmark, Denmark	Halle Institute for Economic Research, Germany	
1:00pm - 2:00pm	Lunch Day 2 Location: S07 S00 D07		
2:00pm - 3:00pm	Keynote - Florentina Paraschiv: Financial Resilience for the Climate and Energy Transition Location: S07 S00 D07		
3:00pm - 3:15pm	Coffee Break (3) Location: R11 T03 C75		
3:15pm - 4:45pm	1.6: Risk in Energy Markets Location: R11 T03 C20 3:15pm - 3:45pm From Gaussian to Alpha-Stable Kelly Portfolios: A Closed-Form Approximation <u>Niels Wesselhöfft</u> Freelancer, Germany 3:45pm - 4:15pm Joint Factor Modelling of Power, Gas and EUA Forward Curves <u>Jan Wohlfarth</u> EnBW / Uni DUE, Germany 4:15pm - 4:45pm How Persistent is Energy-Market Uncertainty Jozef Barunik, <u>Lukas Vacha</u> Institute of Information Theory and Automation of the CAS, Czech Republic (Czechia)	2.6: Electricity Load Forecasting Location: R11 T03 C05 Chair: Christoph Weber 3:15pm - 3:45pm Combining Weather Forecast Aggregation and State-Space Models for Adaptive Probabilistic Electricity Load Forecasting <u>Jonathan DUMAS</u> ¹ , Joseph De Vilmares ² , Jean Thorey ³ 1: RTE; 2: VIKING Conseil; 3: ENEDIS 3:45pm - 4:15pm oRakIE: Extending Automated Hourly Electricity Demand Forecasting from Long-Term to Day-Ahead Horizons <u>Johannes Schwenzer</u> ¹ , Tim Döring ¹ , Tatiana Grandón ² , Simone Maxand ¹ 1: Europa Universität Viadrina, Germany; 2: Norwegian University of Science and Technology, Trondheim 4:15pm - 4:45pm Distributional Load Forecasting for Off-Grid Energy Systems. <u>Alexandra Fafali Kudjauw</u> ¹ , Johannes Schwenzer ¹ , Simone Maxand ^{1,2} 1: Europa-Universität Viadrina, Germany; 2: Berlin School of Economics, Germany	3.6: Energy Transition Scenarios and Technologies Location: R11 T03 C82 Chair: Souhir Ben Amor 3:15pm - 3:45pm Quantify derated capacity of thermal power plants with rising ambient temperature <u>Jie Xu</u> , Philipp Castro, Christoph Weber Chair for Management Science and Energy Economics, University of Duisburg-Essen 3:45pm - 4:15pm Maxing out established renewable energy solutions - How do “Dunkelflauten” affect the optimal share of clean technologies? Moritz Alexander Schmidt, <u>Jonas Leonhardt</u> , Julian Tito Barcelona School of Economics, Spain 4:15pm - 4:45pm Scenarios for the European Energy System Revisited: When climate ambitions meet societal divides Dennis Schneider, <u>Arnd Hofmann</u> , Christoph Weber House of Energy, Climate and Finance, Universität Duisburg-Essen, Germany