

Call-for-Papers for the 12th International Ruhr Energy Conference (INREC)

Uncertainties in Energy – Markets, Systems and Decisions

September 05-06, 2023, Essen, Germany

Conference objectives

Energy systems and markets are subject to significant short- and long-term uncertainties and risks. Currently, market participants and policy makers in Europe face uncertainties due to the transition to clean energy and geopolitical instabilities. Hence, the development of resilient energy and financial systems, and decision-making under uncertainty are key priorities for researchers and practitioners. We welcome contributions from all areas of energy and climate related research in economics, finance, engineering, social sciences, data science, computer science and mathematics.

Conference topics

- Energy forecasting and modelling
- Data science and decision support for energy and climate finance
- Energy data and digitalization
- Predictive analytics in energy markets
- AI and ML in energy
- Stochastic processes in energy markets
- Risk measurement and management
- Business models, risk, and scalability
- Low carbon energy futures
- Risks and resilience in the energy transition
- Electricity market design and risks
- Climate policy, regulation, and risk
- Sustainability assessment
- Pricing climate change uncertainty
- Financing energy infrastructure
- Energy innovations and energy markets

The regular participation fee is 200€. The student fee is 100€. Please use the following link www.inrec.org for **registration and submission**. For conference admission submit abstracts of 300 to 500 words.

We are happy to announce the [GEE](#) awards a prize of 500€ for the best full paper submission. For best paper award participation an additional full paper submission is mandatory.

Abstract submission deadline: June 26, 2023

Abstract admission notification: July 10, 2023

Full paper submission deadline: August 07, 2023



House of
Energy Markets
& Finance

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Keynote Speaker

Prof. Dr. Sonja Wogrin obtained her Dipl.-Ing in Technical Mathematics from Graz University of Technology in June 2008, followed by a Master of Science in Computation for Design and Optimization from the Massachusetts Institute of Technology in October 2008. She further solidified her expertise by completing her PhD at the Instituto de Investigación Tecnológica (IIT) at the Universidad Pontificia Comillas in Spain in June 2013. Having served as a research associate and associate professor in the Industrial Organization Department, Prof. Wogrin currently leads as the Institute of Electricity Economics and Energy Innovation at TU Graz since August 2021. Her research primarily revolves around decision support systems, optimization, and generation capacity expansion problems.

Prof. George Kariniotakis started research in the field of renewable energy integration 34 years ago. He received his Eng. and M.Sc. degrees from Greece in 1990 and 1992 respectively, and his PhD degree from Ecole des Mines de Paris in 1996. He is currently Research Director at Mines Paris – PSL and leading the Renewable Energies and Smart Energy Systems Group at Center PERSEE. He has authored more than 320 scientific publications in journals and conferences. He has been involved as participant or coordinator in more than 55 R&D projects in the fields of renewable energies and smart-grids. Among them, he coordinated 3 major EU projects in the field of wind forecasting and integration (Anemos/FP5, Anemos.plus/FP6, SafeWind/FP7). Currently he coordinates the Smart4RES/H2020 project on RES forecasting and integration. His scientific interests include forecasting, RES integration, modelling, management and planning of power systems. He is Senior Member IEEE and member of several expert groups like ETIP SNET, EERA JP SG, the National CIRED committee, the Steering Committee of Think SmartGrids and others.

Dr. Stephan Riezler earned his PhD in 1995, focusing on life cycle assessment as controlling instrument in strategic projects. He embarked on his professional journey as a controller at Thyssen Engineering GmbH from 1988 to 1990. Following the completion of his PhD, he served as an area controller at Thyssen Industrie AG until 1997. Dr. Riezler subsequently held various commercial positions at STEAG AG. From 2009 to 2011, he assumed the position of managing director at Evonik Trading GmbH before returning to STEAG AG in 2011. At STEAG GmbH, he initially served as the Head of the Trading and Optimization Back Office and later transitioned to the role of Head of the Front Office at STEAG Power GmbH.

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