

Call for Papers

ENERDAY 2021 - 15th International Conference on Energy Economics and Technology

Creative Destruction? - Disruptive innovation in times of Covid and an accelerated energy system transformation

Online Event, Friday, 9th April 2021

Technische Universität Dresden, Faculty of Business and Economics, Dresden, Germany

Subject

The energy system transformation in Germany, Europe, and world-wide is undergoing unprecedented macro- and microeconomic and technical challenges, in times of Covid-19 and increasing decarbonization targets. Covid-19 has a significant impact on human and economic costs, and energy markets and the system as a whole have experienced the impact of policy measures adopted to combat the outbreak. While dips in electricity consumption and carbon emissions seem to be short-term in nature, the consequences of the public health crisis could well have an impact on the long-term trajectory of the energy system, especially in the context of decarbonisation efforts. In the context of economic stimulus packages, significant potential exists for the targeted deployment of investments toward the acceleration of the transformation of the economy towards carbon neutrality.

Against this backdrop, it is important to renew and deepen discussions on overarching issues and challenges associated with deep decarbonisation pathways, e.g., security of supply in the face of nuclear and coal power phase-outs and the role of disruptive technologies such as hydrogen as a means of scaling decarbonisation in the heating and transportation sectors. Last but not least, new climate policy measures merit particular attention and their sufficiency in reaching carbon targets in Germany, Europe, and globally. What are the key challenges? Which steps are necessary? What scenarios should be expected?

The 15th Conference on Energy Economics and Technology ("ENERDAY") is organized as completely digital conference and provides a platform for discussing the issues surrounding energy systems, markets and policies, with a special focus on current challenges and disruption innovations in the context of the energy system transformation. Empirical analysis, fundamental modelling approaches, best practice examples and evaluations of policy and market design are of particular interest. Furthermore, analysis of new technologies and current trends are important issues. We cordially invite you to submit a contribution and look forward to engaging presentations and fruitful discussions. Papers may be theoretical or of an applied nature and should address the following issues:

I. Cross-sectional topics

- **Energy and climate**, e.g. assessing European climate/energy policy goals and achievement levels, interactions between policy instruments across Europe, regulation of non EU ETS sectors, etc.
- **Energy security**, e.g. adequacy and energy security as public good, fluctuating renewable energies, coal-exit, capacity mechanisms, etc.
- **Energy efficiency**, e.g. efficiency benchmarking, best practice examples, self-supply, social norms to increase energy efficiency, counteracting rebound effects, energy management systems, RES in industry etc.
- **Energy innovation**, e.g. short-term and long-term trends in energy production, transportation, and demand, support policies along the life cycle (R&D, invention, demonstration, diffusion), technological foresight for scenario development, technology assumptions for energy modelling.

II. Sectoral analyses and case studies

- **Electricity sector**: carbon price developments, renewable support schemes and pricing, infrastructure investments, etc.
- **Heating sector**: climate policy instruments, promotion of renewables in the heating sector, efficiency measures, etc.
- **Transport sector**: CO₂-emissions and benchmarks, hydrogen, electric mobility, new concepts and business models, etc.
- **Natural gas and oil sector**: price developments and infrastructural analysis, inner-European markets, Energy Union, etc.

Paper Proposals

Please send an extended abstract (one page, about 300 words, in English, including a short CV) by **07th March 2021** as a Word file to: enerday@ee2.biz. You will receive a confirmation of acceptance by **17th March 2021** at the latest. Full presentations are recommended to be submitted until **2nd of April 2021** as two discussants are assigned to each presentation (see below). Accepted abstracts are included in the Conference Book of Abstracts. A final version of the given presentation need to be submitted by **16th April 2021** if you would like to be published on the website after the conference.

Date and Venue

Due to the current Covid situation, the conference will take place on **9th April 2021** in an **online format**. *All submitters of abstracts agree (in case of acceptance) to act as discussant of two other speakers and to give feedback to their presentation.* Speakers are thus recommended to share their presentation one week in advance (until 2nd of April) with the assigned discussants. All participants are required to register as users in the conference tool on our website, which will be unlocked shortly. The regular conference fee is 30 Euro and 50 Euro for bookings later than 27th of March 2021.

Contact

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Organizing Institutions

The Chair of Energy Economics (EE²) at TU Dresden specialises in the techno-economic analysis of energy systems and markets. DIW Berlin, the German Institute for Economic Research, is one of the leading economic research institutes in Germany, carrying out fundamental research and policy advice, e.g. on transport, energy and environmental economics. The Workgroup for Infrastructure Policy (WIP) at Berlin University of Technology focuses on organizational models, financing and regulation of infrastructure sectors, mainly transport and energy. The Gesellschaft für Energiewissenschaft und Energiepolitik e.V. (GEE) is the German Chapter of the International Association for Energy Economics (IAEE). EnerConnect is the association fostering Energy Economics in Dresden.