Dresden, January 2023

Call for Papers

ENERDAY 2023 - 17th International Conference on Energy Economics and Technology

The energy crisis as an accelerator of a sustainable transformation?

Friday, 5th May 2023

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

Subject

The effect of the current energy crisis on the transformation of the energy system is uncertain: On the one hand, high fossil fuel prices encourage investments in sustainable energy technologies. Sustainable energies reduce political and economic uncertainties associated with fossil fuels and contribute to a diversification of the energy supply. On the other hand, policymakers have taken several short-term measures that have strengthened the lock-in of fossil fuels, such as significant investments in LNG infrastructure or the reactivation of phased-out coal-fired power plants.

In this context, the “ENERDAY - 17th International Conference on Energy Economics and Technology” invites submissions on the topic of "*Energy crisis as an accelerator of a sustainable transformation?*" We seek papers that address the challenges and opportunities presented by the current energy crisis, and how it is influencing our future energy system. Possible topics include, but are not limited to:

- The role of renewable energy sources in the energy transformation
- The economic, political and social consequences of the energy crisis
- The role of energy storage in the transformation to a sustainable energy system
- The impact of the energy crisis on energy policy and regulation as well as on energy poverty and access to energy
- The role of digitalization in the energy transformation

The 17th ENERDAY is organized primarily as a face-to-face conference with the possibility of hybrid participation reserved for a few selected sessions. The ENERDAY provides a platform for discussing topics related to energy systems, markets and policies, with a particular focus on the role of existing energy assets and infrastructures in the context of the energy system transformation. Empirical analyses, modelling approaches, best practice examples, policies and market design evaluations are particularly interesting. Furthermore, research on the economics of deploying new technologies is also relevant. Besides the core topic of the conference, submissions concerning following topics are of interest:

I. Cross-sectional topics

- **Energy supply,** e.g. potentials of renewable energies, supply dependencies, role of technologies and energy taxonomy, stranded assets, etc.
- **Energy and climate,** e.g. assessment of European climate and energy policy goals, level of achievement, interactions between policy instruments across Europe, regulation of non EU ETS sectors, etc.
- **Energy security,** e.g. adequacy and energy security, fluctuating renewable energies, energy dependencies, coal- and other fossil fuel-exits, 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, renewable energy sources 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:** renewable support schemes and pricing, infrastructure investments, sector coupling, etc.
- **Heating sector:** climate policy instruments, promotion of renewables in the heating sector, efficiency measures, etc.
- **Transport sector:** CO_2-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 submit an extended abstract (max. 6.000 characters, in English, preferably including a short CV) by **19th March 2023** via the online submission form (Link). You will receive a confirmation of acceptance by **3rd April 2023** at the latest. Full presentations should be submitted by **3rd May 2023.** Accepted abstracts will be included in the Conference Book of Abstracts. The final version of your provided and released presentation will be published on the website after the conference.

Date, Venue and Contact Information

The conference will be held as an in-person event in **Dresden** (with the possibility of hybrid participation reserved for a few selected sessions) on **5th May, 2023**. All participants are required to register as users in the conference tool on our website (Link) by **27th April, 2023**. Please contact registration.enerday@tu-dresden.de for questions regarding the registration. Questions concerning the call for papers or the submission process can be directed to cfp.enerday23@tu-dresden.de.

Organizing Institutions

The Chair of Energy Economics (ee^2) 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.