

Call for Papers

ENERDAY 2024 - 18th International Conference on Energy Economics and Technology

- *Exploring Energy Demand Dynamics* -

TU Dresden, Friday, 12th April 2024

The upcoming ENERDAY24 focuses on the topic “*Exploring Energy Demand Dynamics*” which relates to various aspects of the demand side: the overall development of energy demand, demand in different sectors and various energy sources, as well as the need for flexibility on the demand side and its impact on the energy system. Increasing flexibility on the demand side contributes to integrating renewable energies and is a prerequisite for well-functioning future energy markets. This includes short-term price response of demand as well as the necessary expansion of the digital infrastructure. Energy efficiency and sufficiency further underscore the discourse on the demand side, promoting more efficient resource utilization and facilitating a transformation toward sustainable practices. Topics concerning the impact of the energy price crisis on demand patterns are also of interest, as is the estimation of demand for goods not yet on the market at scale, e.g. hydrogen.

The ENERDAY24 addresses challenges concerning energy systems, markets and policies, focusing on “*Energy Demand Dynamics*”. Empirical analysis, numerical modelling approaches, best practice examples, policy and market design, and technologies are of interest. Particular emphasis is put on intensifying the dialogue regarding economic and technical issues and perceptions. You are cordially invited to submit a contribution, and we look forward to fruitful discussions. Contributions may be theoretical or of an applied nature and may address the following topics:

I. Cross-sectoral focus

- **Energy Demand**
e.g. Demand projections of energy carriers, price sensitiveness and price elasticities, etc.
- **Demand response**
e.g. flexibility potentials of demand, demand side management, smart meters, role of the demand side in the energy market, etc.
- **Energy efficiency and sufficiency**
e.g. efficiency benchmarks, best practice examples, social norms supporting energy efficiency, energy management systems, etc.
- **Energy and society**
e.g. acceptance and behavioural aspects of energy efficiency measures and demand response, value of energy security, etc.
- **Energy policies, systems and market design**
e.g. effects of policy instruments, policies stimulating demand response, integration of demand side in energy markets etc.

II. Sector-specific focus

- **Electricity sector**
e.g. investments in infrastructure, reserve, capacity markets and adequacy, congestion management, etc.
- **Heating sector**
e.g. promoting renewables in the heating sector, efficiency measures, combined heat and power, etc.
- **Transport sector**
e.g. hydrogen, electric mobility, traditional fossil fuels, new mobility concepts, etc.
- **Natural gas and hydrogen**
e.g. price developments and infrastructural analysis, inner-European markets, etc.
- **Sector Coupling**
e.g. convergence of electricity, heat and gas markets (power-to-gas, power-to-heat), etc.

Submission of your contribution

Please submit an extended abstract (max. 6.000 characters, in English, including a short CV) by **12th February 2024** via the online submission form (soon available [at](#)). You will receive a confirmation of acceptance by **26th of February 2024** at the latest. Full presentations should be submitted by **8th of April 2024**. Accepted abstracts will be included in the Conference Book of Abstracts. The final version of the presentation you provide will be published on the website after the conference. Questions concerning the call for papers or the submission process can be directed to cfp.enerday@tu-dresden.de.

Venue and registration

The conference will be held as an in-person event at the TU Dresden Campus on **12th April, 2024**. All participants are required to register via the online registration form on our website (soon available [at](#)) by **29th March, 2024**. Please contact registration.enerday@tu-dresden.de for questions regarding the registration.

Organizing institutions

The Chair of Energy Economics (ee2) at TU Dresden specialises in the techno-economic analysis of energy systems and markets. 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.