Dresden, November 2015

Call for Papers

ENERDAY 2016 - 11th International Conference on Energy Economics and Technology

- *Energy Efficiency and Demand Response* -

Dresden, Friday, 8 April 2016

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

Subject

Energy efficiency and demand response are valuable means to address several current challenges, both for the German and the European energy markets, e.g. an increased dependence on energy imports, the need to mitigate climate change and the integration of fluctuating renewable energies. Energy efficiency reduces primary energy consumption, decreases energy imports and thus directly reduces greenhouse gas emissions. Increasing flexibility on the demand side contributes to the integration of renewable energies and is a prerequisite for well-functioning future energy markets.
In the spirit of the ENERDAY, several questions with regard to the key topic "Energy Efficiency and Demand Response" are of interest: how to further stimulate energy efficiency measures and how can barriers be overcome?, how flexible is the demand side in a long and short-term horizon and how can the flexibility potential be leveraged?, what role does demand response play with regard to power prices and the integration of renewables?, what are the current and future key technologies in this context?, and what technologies may be important in accompanying these efforts, e.g. storage?

The 11th Conference on Energy Economics and Technology ("ENERDAY") addresses challenges with regard to energy systems, markets and policies, with a special focus on "*energy efficiency and demand response*". Empirical analysis, fundamental modelling approaches, best practice examples, policy and market design as well as 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 are looking forward to fruitful discussions. Papers may be theoretical or of an applied nature, and may address the following issues:

I. Cross-sectional topics

- **Energy efficiency,** e.g. efficiency benchmarking, best practice examples, self-supply, social norms to increase energy efficiency, concepts and visions towards a 2000 Watt society, energy management systems, EE in industry etc.
- **Demand response**, e.g. demand side management and its potentials, smart meters and smart demand, role of the demand side in the energy market, etc.
- **Energy and society**, e.g. acceptance of smart energy products, behavioural aspects of energy efficiency measures and demand response, energy efficiency labels, value of energy security, etc.
- **Energy policies and strategies,** e.g. experiences with white certificates, interactions with other policy instruments, policies stimulating demand response, etc.
- **Energy systems and market design issues**, e.g. integration of the demand side in energy markets, interaction between different sectors and markets (e.g. power to heat, etc.), role of a flexible energy demand on prices and future markets, contribution of demand flexibility to the integration of renewables, etc.

II. Sectoral analyses and case studies

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

Paper Proposals

Please send an extended abstract (one page, about 300 words, in English, including a short CV) by **8 February 2016** as a Wordfile to: *enerday@ee2.biz*. You will receive an acceptance confirmation by 29 February 2016 at the latest. Accepted abstracts will be provided in the Book of Abstracts. A full version of the paper and presentation can be submitted by 8 April 2016 to be published on the website.

Date and Venue

The conference will take place on 8 April 2016 at the Technische Universität Dresden with a pre-conference dinner on 7 April 2016. All participants must register as users in the conference tool on our website. Please note the registration fee specified at the conference tool website.

Contact

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Organizing Institutions

The Chair of Energy Economics (EE²) at TU Dresden is specialized in the analysis of the development 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 is focusing 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).

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