

CALL FOR PAPERS

4th D-A-CH Energieinformatik 2015

12th-13th November 2015, Karlsruhe, Germany

www.energieinformatik2015.org



Germany, Austria, and Switzerland have set ambitious targets for increasing energy efficiency, reducing greenhouse gas emission and enlarging the share of renewable energy sources. Energy Informatics is developing the IT-based solutions required for achieving these targets. Applications include the construction of intelligent energy networks (“Smart Grids”), their utilisation for integrating renewable energy sources and energy storage, increased flexibility of demand as well as the design of systems for improving total efficiency, system stability and security of supply.

The objective of Energieinformatik 2015 is the support of a research-based development and implementation phase of adequate information and communication technologies (ICT) and to foster the transfer between academia, industry, and service providers in the D-A-CH region. The conference addresses scientists and practitioners as well.

Contributions related to the following topics are particularly welcome:

Energy Networks: Approaches to coping with fluctuating energy sources, integration of decentralized power generation and storage, ICT for grid control and planning, control and safety systems, sensor networks, and systems for integrated energy management, stability and robustness of decentralized autonomous grid control.

Mobility: Charge management for electric vehicles, energy-aware services for driver assistance, ICT-based mobility concepts, inter-modal mobility, energy-aware traffic control, smart grid integration of mobile storage.

Buildings: Optimisation of the interplay between building systems, heating devices and energy networks, e.g. by integrating smart metering; use cases for digital metering in households.

Cross-cutting: Security and privacy protection, interoperability, energy data analytics, energy efficiency and flexibility of industrial processes, demand response in scenarios of Industrie 4.0, information systems for behaviour control, simulation and modelling, market mechanisms and business cases, ICT-based energy system services.

Submission formats are “**Full Research Paper**” (max. 12 pages), “**Research in Progress Paper**” (max. 8 pages) and “**Technical Reports**” (max. 12 pages). In spite of the focus on the D-A-CH region, the conference language will be English, therefore, papers should be written in English. Research papers will get double-blind reviews, technical reports should address primarily practitioners and will be selected by the program committee. Accepted papers will be published in the **LNCS series of Springer** (subject to final approval by the publisher).

The **6th PhD-Workshop Energy Informatics** will be co-located with the conference, more information is available at www.energieinformatik2015.org/programm/workshop. Furthermore, start-ups will be invited to present their business cases to domain experts and to extend their industry contacts.

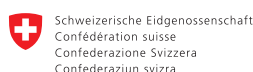
DEADLINES

30.05.2015 submission deadline

17.07.2015 information on acceptance or rejection

14.08.2015 submission of final papers and start-up presentations

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Bundesamt für Energie BFE
Swiss Federal Office of Energy SFOE

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SUBMISSIONS

Further information on submission system and on registration at:

www.energieinformatik2015.org