



DACH+Energy Informatics 2021

The 10th DACH+ Conference on Energy Informatics

September 13-17, 2021 – Online

<https://energy-informatics2021.org/>

Call for Papers

The European Union intends to reduce its emissions by 55% in 2030 and aims to be climate neutral in 2050. This makes the integration of intermittent renewable power generation a question of growing importance. Simultaneously, new demand side resources are added both at the transmission level with newly installed large electrolysers and at the distribution level with a sharp increase in numbers of electric vehicles and heat pumps. Bridging the intermittency of generation and the load of new (flexible) consumers can only succeed through ICT and related concepts.

The objective of the DACH+ conference series on Energy Informatics is to promote the research, development, and implementation of information and communication technologies in the energy domain and to foster the exchange between academia, industry, and service providers in the German-Austrian-Swiss region and its neighbouring countries (DACH+).

We seek high-quality original contributions addressing the design, adoption, operation and management of smart energy systems, the integration of intermittent renewable generation and energy efficiency gains through ICT, market approaches and mechanisms for ICT-enabled energy systems, and research on associated (decentralised) data-driven decisions. We welcome theoretical contributions as well as publications addressing system design, implementation, and experimentation. The list of topics of interest to the conference includes, but is not limited to:

- ICT for future energy systems, sector coupling and the integration of intermittent renewable generation
- Information and decision support systems for future energy markets and mechanisms
- Energy system modelling
- Protocols and architectures for IT systems in the energy sector
- Data analytics and machine learning for smart energy systems and decentralised decision making, as well as platforms for data analysis
- Open data and software for energy research
- Management of distributed generation and demand side management
- ICT for (multi-) energy networks and micro-grids
- Energy-efficient mobility, charging management for electric vehicles, energy-aware traffic control, and smart grid integration of mobile storage
- Smart buildings, digital metering, occupant comfort, and user interaction
- Adoption of ICT in the energy sector
- Cross-cutting issues including cyber security and privacy protection, interoperability, verification of networked smart grid systems



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Posters, Demos and Workshops

Submissions for posters, demos, and workshop suggestions are welcome, too. Details can be found on the conference website.

Submission and Publication

Submitted papers will be reviewed in a double-blind process. Accepted and presented papers will be published in the Springer Open Journal *Energy Informatics* <https://energyinformatics.springeropen.com>.

The conference language is English, and papers must be written in English. We solicit full research papers (max. 18 pages of content plus 2 additional pages for references) as well as short papers (max. 10 pages of content plus 2 additional pages for references). Templates and instructions will be made available at <https://www.energy-informatics.eu/>. Further information on the submission of posters and demos is also available on the website. The Open Access fee for the journal article is included in the registration fee.

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Important Dates

Paper submission: ~~Apr 19, 2021~~
May 7, 2021
There will be no further extension

Poster/Demo submission: May 7, 2021
Notification: Jun 18, 2021
Camera-ready paper due: Jul 2, 2021
Conference: Sep 13-17, 2021

The Energy Informatics conference series is a joint initiative of the German Federal Ministry for Economic Affairs and Energy, the Austrian Ministry for Transport, Innovation and Technology, and the Swiss Federal Office of Energy.



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