

# 13th Doctoral Workshop Energy Informatics 2022

## September, 13th / 14th, Freiburg, Germany



Co-located with the DACH+ Conference on Energy Informatics, the 13th doctoral workshop Energy Informatics discusses the role of ICT and computer science in future energy systems. The energy transition (Energiewende) – a politically supervised and accelerated shift in direction from nuclear and fossil fuels to sustainable sources of energy – yields drastic changes in the operation of existing energy supply and demand systems and requires a paradigm shift in both their planning and operation. The technological aspects as well as the involvement of consumers play a crucial role in the necessary transformation process. Hence, not only the development, evaluation and application of new technologies and methods but also the complex interactions between them and with their users have to be investigated. These challenges are not limited to the domain of electric power and include electricity, mobility, gas, and heat supply systems.

The doctoral workshop Energy Informatics 2022 invites doctoral students whose research focuses on the intersection of informatics, power engineering, and energy economics. This workshop presents an opportunity for doctoral students to discuss their current work – ranging from preliminary ideas to project/thesis results – with researchers from within the same community. Hence, long papers, doctoral project descriptions, and progress reports in the form of short papers are welcome. Former participants of the workshop may be accepted for presentation of significant progress in their doctoral project and should state clearly the progress compared to earlier submissions.

The aim of this workshop is to support doctoral students in their research and in creating a basis for a high-quality submission to a signature conference or journal. The topics of interest are within the scope of the DACH+ conference on Energy Informatics.

English language papers describing the doctoral research topic are to be submitted in PDF format. Further information will be given at the workshop page at <https://energy-informatics2022.org/> (please be sure not to submit to the main conference).

The submissions should detail the research questions and the methodology chosen for answering them. Long papers (including results) with a maximum of 12 pages and short papers with a maximum of 6 pages will be accepted. Contributions exceeding this limit will not be accepted. Submissions must reflect the structure as given in the template soon provided at the workshop website.

### Information about the format of the workshop

**Numbers of authors:** Single-authorship of doctoral students is expected. A mention of the supervising professor(s) is required to avoid conflicts in the reviewing process.

**Shepherding process:** An intensive and interactive reviewing process begins with the acceptance of a paper to the shepherding process. The process is designed to support the submitter in clearly defining her/his doctoral project. The accepted papers will be assigned to an individual member of the program committee called “shepherd” who supports the author in an iterative process sharpening the presentation of the project and ending up in a high-quality publication. By submitting a contribution to the doctoral workshop, the author agrees to participate in this process.

**Language and length of presentation:** English language contributions are mandatory; the presentations and discussions of the work are also typically in English, depending on the audience. This is to ensure that all invited domain experts (authors and committee members) are able to participate in constructive discussions which are not open to the public. The time slot for presentation is 30 minutes

for long papers and 15 min for short contributions followed by 30 min for intensive discussions. Guidelines for the presentations will be provided.

**Publication format:** The aim of the workshop is to support participants in their progress toward a doctoral degree and create a quality submission. All accepted contributions will be presented within a poster session at the conference DACH+ Conference on Energy Informatics (see below) and included in the conference proceedings published at the SpringerOpen Journal Energy Informatics as poster abstracts (no fee). A subsequent publication as a journal paper in the same journal is highly appreciated and supported.

**Cooperation with DACH+ Conference on Energy Informatics:** The workshop is organized in cooperation with the DACH+ Conference on Energy Informatics (<https://energy-informatics2022.org/>). All presenters at the doctoral workshop are automatically registered for this conference. A joint poster session provides the opportunity to present and discuss the work with a broader audience.

**Details on the schedule of submission and the workshop (a.k.a. important dates):**

Apr 15, 2022:	Submission of papers
May 23, 2022:	Decision acceptance (assignment of shepherds) / rejection
May, 23 - Aug, 13, 2022:	Incremental revision process between author and shepherd
Jun, 24, 2022:	Camera ready deadline for poster abstracts for accepted contributions
Sep, 13/14, 2022:	13 <sup>th</sup> Doctoral Workshop Energy Informatics
Sep, 15/16, 2022:	11 <sup>th</sup> DACH+ Conference on Energy Informatics

**Organizing committee:**

- Astrid Nieße, University of Oldenburg, Germany, [astrid.niesse@uni-oldenburg.de](mailto:astrid.niesse@uni-oldenburg.de)
- Sebastian Lehnhoff, OFFIS – Institute for Information Technology, Germany, [lehnhoff@offis.de](mailto:lehnhoff@offis.de)
- Anke Weidlich, University of Freiburg, Germany, [anke.weidlich@inatech.uni-freiburg.de](mailto:anke.weidlich@inatech.uni-freiburg.de)

This workshop is organized by the German Informatics Society's (Gesellschaft für Informatik (GI)) Special Interest Group "Energy Informatics (Energieinformatik)" (GI WI-EINS & GI TI-EI) in cooperation with OFFIS – Institute for Information Technology and INATECH, University of Freiburg.

For further questions please contact us at: [ws-eninf22@offis.de](mailto:ws-eninf22@offis.de)

**Program committee**

The workshop's program committee is updated regularly based on active trends in energy informatics. It currently consists of about 30 experts and scientists from Austria, Germany, Great Britain, Norway, the Netherlands, and Switzerland. The final list of scientists joining the program committee will be published on the workshop website.