

ACM e-Energy'21, Torino, Italy
June 28th - July 2nd, 2021

<https://energy.acm.org/conferences/eenergy/2021/>

ACM e-Energy is the premier forum for research at the intersection of computing and communication technologies with energy systems. It has established a strong track record for high-quality research in the application of computing and networked systems to make legacy systems more energy-efficient and in the design, analysis, and development of sustainable and innovative energy systems. The Twelfth ACM International Conference on Future Energy Systems (ACM e-Energy) and its co-located tutorials and workshops, will be held in Torino, Italy, from June 28 to July 2, 2021 (see COVID-19 related information at the end of this CfP). By bringing together researchers in a single-track conference designed to offer significant opportunities for personal interaction, it is a major forum for shaping the future of this area.

We seek high-quality papers at the intersection of computing and communication technologies with smart and sustainable energy systems. We welcome submissions describing conceptual advances, as well as advances in system design, implementation and experimentation, and we explicitly welcome inter- or transdisciplinary work. ACM e-Energy is committed to a fair, timely, and thorough review process with sound and detailed feedback.

Relevant topics for ACM e-Energy include, but are not limited to the following:

- AI/ML and data analytics, e.g., for tackling climate impact of energy systems
- Algorithmic approaches to energy system problems
- Applications of cyber-physical systems and Internet-of-Things (IoT) to smart energy systems
- Modelling and analysis of multimodal and cross-sectoral energy systems
- Automation and control of distribution and transmission networks
- Demand-side management, including innovative pricing and incentive design
- Distributed ledger systems for energy systems
- Economics and business models for smart energy systems, including aggregators and prosumers
- Electricity market and electricity supply chain measurement, modeling, and analysis
- Electric vehicles and energy-efficient transportation systems
- Distributed energy resources, including energy storage and renewable resources
- Energy-efficient computing and communication, including data centers
- Microgrid and distributed generation management and control
- Modeling and understanding user behavior in energy systems
- Sizing, monitoring, and control of energy systems for smart grids, smart buildings, and smart cities
- Privacy, cybersecurity and resilience of smart grid infrastructure

Authors unsure about topical fit are welcome to contact the program committee co-chairs.

AUTHORS TAKE NOTE: The official publication date is the date the proceedings are made available in the ACM Digital Library. This date may be up to two weeks

prior to the first day of your conference. The official publication date affects the deadline for any patent filings related to published work. (For those rare conferences whose proceedings are published in the ACM Digital Library after the conference is over, the official publication date remains the first day of the conference).

General Chairs: Hermann De Meer (University of Passau, Germany),
Michela Meo (Politecnico di Torino, Italy)

Program Chairs: Omid Ardakanian (University of Alberta, Canada),
Astrid Nieße (University of Oldenburg, Germany)

Key Dates:

Paper registration deadline: January 27, 2021

Paper submission deadline: February 3, 2021

Author notification: April 20, 2021

Camera-ready submission: May 18, 2021

ACM e-Energy'20 conference: June 28 - July 2, 2021

Full Paper Submissions:

Full papers, up to 10 pages in 9-point ACM double-column format excluding references and appendices should present original theoretical and/or experimental research in any of the areas listed above that has not been published, accepted for publication, or under review by another workshop, conference, or journal. Full paper submissions may also be considered for acceptance as Notes papers. Paper review will follow a standard double-blind policy. As has been realized for the last conferences in this series, selected full papers will have the option of being fast-tracked to a high-quality journal.

A full paper submission may extend the author's previous extended abstract or workshop paper, provided those extensions are substantial. In such cases, authors should (i) acknowledge their own previous workshop publications with an anonymous citation and (ii) explain the differences between the e-Energy submission and the prior workshop paper.

Notes Paper Submissions:

Notes papers, up to 4 pages in 9-point ACM double-column excluding references and appendices, are intended to discuss preliminary research results, advocate new research directions, or present industrial projects. Notes will be reviewed based on the novelty of their ideas, potential for impact, and quality of presentation. Paper review will follow a double-blind policy.

Operational Systems Paper Submissions:

Operational systems papers, up to 10 pages in 9-point ACM double-column format excluding references and appendices, describe the design, implementation, analysis, and experience with large-scale, operational systems in the field. While they may not necessarily describe new ideas, they are welcome if they disprove or strengthen existing assumptions, deepen the understanding of existing problems, and validate known techniques in real-world environments in which they have never been applied before. The goal of these papers is to provide new insights and learnings to the research community that can only be obtained from real world implementation and deployments. Authors should indicate in the submission form that they are submitting to this track. Submissions to the operational systems track should also be double-blind. However, given the nature of these papers, it is okay to reveal the company or system name (but NOT author names and affiliations).

COVID-19 related information:

While an on-site conference is preferred by the organizers, the current pandemic might force us to switch to a hybrid or fully online event. The decision on this will be published on April 20th, 2021 (author notification deadline), at the latest. Online attendance will be possible.