ACM e-Energy

ACM Emerging Interest Group on Energy Systems and Informatics (EIG-ENERGY)

ACM e-Energy 2020, Melbourne, Australia

June 22-26, 2020 https://energy.acm.org/conferences/eenergy/2020

Photos by: Melbourne Convention Bureau

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 innovative energy systems. The **Eleventh ACM International Conference on Future Energy Systems (ACM e-Energy) and its co-located workshops, to be held in Melbourne, Australia from 22nd to 26th of June 2020**. 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 energy systems. We welcome submissions describing conceptual advances, as well as advances in system design, implementation and experimentation. 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 for the smart grid and energy-efficient systems
- Applications of cyber-physical systems and industrial Internet-of-Things (IoT) to smart energy systems
- Automation and control of distribution and transmission networks
- Demand-side management, including innovative pricing, incentive design
- Distributed energy resources, including energy storage resources
- Distributed ledger systems for energy
- 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
- Energy-efficient computing and communication, including in data centers
- Microgrid and distributed generation management and control
- Modeling and understanding the user behavior of energy systems enabled by computing and communication technologies
- Monitoring and control of energy systems for smart grids, smart buildings, and smart cities
- Privacy and cybersecurity of smart grid infrastructures

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: Iven Mareels (IBM Research), Arun Vishwanath (IBM Research)
Program Chairs: Ramesh Sitaraman (University of Massachusetts, Amherst), Dan Wang (The Hong Kong Polytechnic University)

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. Selected full papers will have the option of being fast-tracked to a special Issue of **IEEE Transactions on Sustainable Computing ((TSUSC)**.

Note Paper Submissions

Notes papers, up to 4 pages in 9-point ACM double-column excluding references and appendices. Notes 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.

Key Dates

- Paper Registration, Abstract Deadline: Jan 27th, 2020
- Paper submission deadline: Feb 3rd, 2020
- Author notification: April 20th, 2020
- Camera-ready submission deadline: May 18th, 2020