



# ASME Journal of Engineering for Sustainable Buildings and Cities

## CALL FOR PAPERS Special Issue on Grid-interactive Efficient Buildings

[ASME's Guide for Journal Authors](#)

[Submit Your Manuscript ->](#)

### CALL FOR PAPERS

[\*ASME Journal of Engineering for Sustainable Buildings and Cities\*](#)

#### Special Issue on Grid-interactive Efficient Buildings

[\*ASME Journal of Engineering for Sustainable Buildings and Cities\*](#) is planning to disseminate high quality research on grid-interactive efficient buildings, or GEBs; integrated and sustainable equipment and systems for individual buildings; and urban centers. Grid-interactive efficient buildings are characterized as highly energy-efficient buildings equipped with smart technologies and distributed energy resources that can be dynamically controlled to meet grid needs and minimize electricity system costs, while meeting occupants' comfort and productivity requirements.

The GEB Special Issue will cover a wide range of topics to enhance the sustainability, resiliency, and flexibility of building energy systems, including, but not limited to, innovative technologies to enhance energy efficiency for various building components, building integrated renewable energy technologies, and advanced optimized control strategies to design and operate smart grid-interactive efficient buildings. In particular, GEBs can involve a suite of building technologies - such as heating and cooling systems, connected lighting, dynamic windows, occupancy sensing, and thermal mass - as well as distributed energy resources such as rooftop photovoltaics, electrochemical and thermal energy storage, and combined heat and power.

#### Topic Areas

- Buildings
- Demand Response
- Distributed Energy Resources
- Dynamic Materials
- Dynamic Windows
- Energy Efficiency
- Energy Costs
- Energy Storage
- Grid Services
- Lighting Systems
- Optimal Controls
- Thermal Comfort

#### Publication Target Dates

Paper submission deadline:	<b>April 15, 2020</b>
Initial review completed:	<b>July 15, 2020</b>
Final paper submission:	<b>September 1, 2020</b>
Special Issue publication date:	<b>November 2020</b>

#### Submission Instructions

Papers should be submitted electronically to the Journal at [journaltool.asme.org](http://journaltool.asme.org). If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. In either case, at the **Paper Submittal page**, select the [\*ASME Journal of Engineering for Sustainable Buildings and Cities\*](#) and then select the Special Issue **Grid-interactive Efficient Buildings**. Papers received after the deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue.

#### Special Issue Editor

**Prof. Moncef Krarti**, University of Colorado Boulder, USA / Co-editor of *ASME Journal of Engineering for Sustainable Buildings and Cities*  
[krarti@colorado.edu](mailto:krarti@colorado.edu)