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# **Energy Management, Energy Sustainability and Energy Efficiency in Buildings**

Guest Editors:

## Dr. Karthik Panchabikesan

Florida Solar Energy Center, University of Central Florida, Cocoa, FL 32922, USA

#### Prof. Dr. Ursula Eicker

Department of Building, Civil, and Environmental Engineering, Gina Cody School of Engineering and Computer Science, Concordia University, Montréal, QC H3G 1M8, Canada

#### Dr. Fuzhan Nasiri

Department of Building, Civil, and Environmental Engineering (BCEE), Concordia University, Montreal, Quebec H3G 1M8, Canada

Deadline for manuscript submissions:

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## **Message from the Guest Editors**

This Special Issue aims to uncover the links between data science, AI, energy efficiency and low-carbon technologies. Applications of data science at the urban scale, challenges in urban building energy modelling, and studies that predominantly support building energy code updates related to occupant schedules (occupancy, thermostats, appliances, hot water demand) are also encouraged.

Topics of interest include, but are not limited to, the following:

- Data science for building energy management, energy feedback, and energy-saving advisories;
- Pattern extraction and the application of data mining to reduce uncertainties in building energy performance simulation;
- Urban building energy modelling;
- Occupancy modelling concepts and the role of occupants in building energy management;
- Advanced control strategies including occupantcentric control strategies;
- Fault detection and diagnosis in HVAC systems;
- Renewable energy integration and micro-grids;
- Energy storage systems for building energy management and sustainability;
- Heat pumps for building space conditioning and water heating applications.



Specialsue







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## **Editor-in-Chief**

### Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

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