

Special Issue

Optimized Energy and Comfort Management in Shared Smart Buildings

Message from the Guest Editor

In a moder vision, people should be able to enter SBs and learn about basic environmental variables of the building, such as the indoor temperature, air quality (e.g., in terms of CO2 levels) and visual comfort, and they should be able to interact with the energy systems (e.g., the HVAC—heating, ventilation and air conditioning—system and lighting systems), to a certain allowed extent (e.g., for security reasons), combined with natural resources (day lighting, outside temperature, etc.). Accordingly, in this Special Issue, we plan to consider contributions about current energy/environment management strategies for buildings of public use, considering energy efficiency solutions including active occupant interaction. Optimal real-time control strategies for active plants, such as HVAC systems or heat pumps, should be found through a multifaceted optimization problem that considers the different and possibly contrasting desires of people, together with energy consumption reduction in public buildings.

Guest Editor

Prof. Dr. Alessandro Franco

Department of Energy, Systems, Territory and Constructions Engineering (DESTEC), University of Pisa, 56126 Pisa, Italy

Deadline for manuscript submissions

closed (30 September 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/80503

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)