# **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 conditioningsystem 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)



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

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### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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