

## Special Issue

# Human-Centred Methods, Tools, and Decision Support Systems in the Design or Renovation of Sustainable Buildings

### Message from the Guest Editors

Over the last two decades, the application and development of powerful decision support and simulation tools and methods has made a significant contribution to the major advances made in the development of high-performance buildings and neighbourhoods. While most analysis and simulation tools and methods focus on testing structural, energy, CFD- or energy-related, and acoustic performance, human-centred simulation and analysis tools that simulate, e.g., human visual perception and cognition, are relatively new and, therefore, provide fertile ground for research and discussion. The aim of this Special Issue is to gather scientific advances on human-centred methods, tools, and decision support systems in the AEC sector. We invite researchers to submit contributions featuring any sort of IT solutions and digital technologies for human-centred analyses, simulations, assessments, etc., integrated into the workflow of building designers throughout the design process or renovation of sustainable buildings. We look forward to receiving your contributions.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 June 2025)



## Sustainability

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### Editor-in-Chief

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