

Special Issue

Building Energy Simulation and Monitoring of Dynamic Lightweight Facades: Active Solutions for Building-Integrated Renewable Energies

Message from the Guest Editors

The development of digital technologies and innovation has paved the path for the fourth industrial revolution in Architecture, Engineering, and Construction, mainly to help overcome new challenges and demands in construction engineering and management. The special issue aims to integrate the recent advancements in digital technologies with sustainable practices in the Architecture, Engineering, and Construction industry. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Ventilated facades with variable air flow
- Application of building information modeling (BIM) and Building Energy Simulation (BES) for nearly Zero Energy Buildings (nZEB)
- Lightweight and transparent materials for building facades
- Integration of renewable energy sources
- Adoption of new materials for green building certification

We look forward to receiving your contributions. Dr. Fernando del Ama Gonzalo

Guest Editors

Dr. Fernando Delama Gonzalo

Department of Sustainable Product Design and Architecture, Keene State College, New Hampshire, 229 Main St., Keene, NH 03435, USA

Dr. Belen Moreno Santamaria

Department of Construction and Architectural Technology, Technical School of Architecture of Madrid, Universidad Politécnica de Madrid, Av. Juan de Herrera, 4, 28040 Madrid, Spain

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

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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

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