



Automation and Digital Fabrication in the Building Construction Process

Guest Editor:

Dr. Valentino Sangiorgio

Institute of Concrete Science and
Technology (ICITECH),
Universitat Politècnica de
València, 46022 València, Spain

Deadline for manuscript
submissions:

closed (31 October 2022)

Message from the Guest Editor

Dear Colleagues,

The building construction sector is undergoing one of the most profound transformations of its history. In particular, the “Digital Transition” of the building sector is profoundly changing building technologies and construction processes. Even if the innovation process still remains scattered and not really organized, automation and digital fabrication are certainly playing a significant role in this transformation and will be fundamental tools for the buildings of the future. In this context, the use of computer-aided design (CAD) has become extremely popular over the past decade. In addition, in recent years, the advent of modern technologies of the Industry 4.0 has allowed the wide diffusion of computer-aided manufacturing (CAM) techniques in the building sector. In CAM, machines such as lathes, laser cutters, and milling machines (also integrated in powerful robotic arms) are directed by a computer to perform complex digital fabrication (a process called numerical control—CNC)...

Dr. Valentino Sangiorgio

Guest Editor





an Open Access Journal by MDPI

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

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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)