Advances on 3D Printing in Engineering, Architecture and Construction Industry

Guest Editors:

Prof. Dr. Nikos D. Lagaros

Institute of Structural Analysis & Antiseismic Research, Department of Structural Engineering, School of Civil Engineering, National Technical University Athens (NTUA), 9, Heroon Polytechniou Str., Zografou Campus, 15780 Athens, Greece

Dr. Stelios K. Georgantzinos

Department of Aerospace Science and Technology, National and Kapodistrian University of Athens, 34400 Psachna, Greece

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

It is our great pleasure to invite you to contribute to this Special Issue by presenting your results on 3D printing, including issues and challenges for AECI from an academic, design office or construction company's point of view. The papers can focus on applications of 3D printing related to all aspects of AECI. Articles can also include but are not limited to manufacturing technologies; modeling; optimization; artificial intelligence algorithms; control; measurements; analysis; and/or experimental investigations related to additive manufacturing combined with the Engineering, Architecture and Construction Industry (EACI).

Keywords:

- additive manufacturing using steel or concrete
- engineering, architecture and construction industry (eaci)
- mathematical and computational analysis
- structural design optimization
- deep learning and learning systems

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us