

Special Issue

Concrete 3D Printing and Digitally-Aided Fabrication (Second Volume)

Message from the Guest Editor

This second volume of the Special Issue dedicated to digital concrete focuses on new additive manufacturing methods used for concrete: the extrusion-based method, particle-based methods, shotcrete and other new techniques using digital tools. Paper topics can deal with many aspects related to the digital fabrication of concrete- and cement-based materials: processing, case study, fresh state properties and rheological requirements, testing methods, the mechanical behaviour of printed cement-based material, the structural design of printed parts and structures, and environmental and economic impacts. This Special Issue is expected to provide a collection of articles showing an overview of recent advances in the field of concrete 3D printing and drawing future perspectives for these new revolutionizing methods.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

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