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

Guest Editor:

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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.



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Special issue



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Message from the Editor-in-Chief

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