CALL FOR PAPERS

Call for Special Issue Papers: Additive Construction

Deadline for Manuscript Submission: November 30, 2020

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Recent advancements in large-scale additive manufacturing reveal its potential for sustainability, material optimization and digitization in construction. Compared to conventional 3D printing processes, additive processes in construction face unique challenges like scalability, speed, material and durability. The scope of the Special Issue on Additive Construction is to establish a dissemination platform in the emergent field of additive manufacturing in architecture and the built environment.

The call for papers is open for review articles, unpublished innovative research, and completed or partially built projects from academia, practice, and industry.

We welcome contributions that focus on the latest developments in large-scale additive manufacturing on the following topics:

- Building processes: additive robotic processes, 3D printing, and hybrid manufacturing
- Materials: sustainable, optimized, and performant materials for additive processes
- Associated computational methods: simulation, design, and optimization for additive architecture
- Applications in construction: building systems, structures, formwork, functional hybridization, and automation

The submissions will be peer-reviewed by a panel of experts and published in the *3D Printing and Additive Manufacturing* Special Issue on Additive Construction. Submissions are accepted until November 30, 2020.

We also encourage submission of papers that have been published in conference proceedings, with the requirement that the authors have made significant extensions as compared to the already published version of the study.

Questions or pre-submission queries? Please contact Guest Editor Professor Benjamin Dillenburger (dillenburger@arch.ethz.ch)

3D Printing and Additive Manufacturing is the only peer-reviewed journal on the rapidly moving field of 3D printing and related technologies. The Journal provides comprehensive coverage of academic research, industrial and commercial developments that have applications in medicine, education, food, and architecture.

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