Additive Manufacturing for Architectural and Structural Design

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closed (15 January 2024)

Message from the Guest Editors

Dear Colleagues,

While additive manufacturing has successfully been employed for some years in advanced industries.

For thriving in this sector, with a yearly value of over USD 10 trillion, both profuse fundamental and applied research are still significantly in need. Specifically, materials design—including steel and other alloys manufacturing with a growing number of techniques, concrete 3D printing, new composites, polymers and multimaterial synthesis—but also quality control and testing, design methods, topology optimisation, code development, software development, CAD and BIM integration.

This Special Issue is open for research articles, reports and systematic reviews which provide innovative contributions, depict case-studies or consolidate the body of knowledge on how structural and architectural design can evolve to account for AM specificity, challenges and capabilities in the aforementioned topics. Intersectoral works are highly encouraged.

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Special Issue

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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.

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