

Special Issue

Generative Design of Materials and Structures with Additive Manufacturing

Message from the Guest Editors

Contributions (full-length research and review articles) leveraging all aspects of generative designs and additive manufacturing are welcome. Submissions will be subject to peer review to be handled by the editorial team of this collection.

The research topics include but are not limited to:

Methodologies in design: New or enhanced existing methods relevant to various aspects of generative design for specific purposes, including topological, shape and size optimization, robust/reliability-based design optimization, and sample and surrogate modeling optimization;

Techniques in manufacturing: 3D printing for metallic and plastic materials and structures, especially constraints in printing lattice-type structures with complex geometries, and the testing and characterization of the manufactured designs;

Applications: advanced materials and structures including various artificially architected land and marine vehicles, as well as robotics, energy, and biomedical/biomechanical domains.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2022)



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About the Journal

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.

Editor-in-Chief

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