

Special Issue

Symmetry/Asymmetry in Additive Manufacturing

Message from the Guest Editors

Additive manufacturing (AM), also known as 3D printing, has advanced significantly in recent years. AM has transformed engineering by offering high flexibility and freedom in fabricating complex components with minimum waste and short lead times. The advancements in AM have often been coupled with material development, structure design, functional components, process optimization, and system innovation. Symmetry and asymmetry play crucial roles in the performance and applications of AM systems. The Special Issue, titled "Symmetry/Asymmetry in Additive Manufacturing", is dedicated to publishing studies focused on the in-depth exploration of the intricate relationship between symmetry/asymmetry and AM systems. A specific emphasis is put on the contributions related to affect AM engineering where symmetry performance favors design, optimization and analysis.

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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