Special Issue

Symmetry in Impact Mechanics of Materials and Structures

Message from the Guest Editor

Symmetry simplifies analyses of complex systems and plays a key role in optimizing material properties, improving design efficiency, and ensuring structural safety. By applying symmetry, researchers can gain a deeper understanding of material and structural behavior under impact loading, enabling more accurate predictions of response and failure mechanisms. This Special Issue explores how symmetry influences the dynamic response of materials, structural stability, and design optimization, promoting a closer integration of theory and engineering practice. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: Material Response; Structural Stability; Numerical and Experimental Integration; Engineering Applications; Artificial Intelligence; Sensor Design.

Guest Editor

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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.

Editor-in-Chief

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