

Special Issue

Symmetry in Multi-Field Coupling and Structural Mechanics

Message from the Guest Editors

Multi-field coupling and structural mechanics have collaborated to support our tools in the understanding and solving of complex problems in practice. Over the past two decades, remarkable progress has been achieved in the new phenomena and simulation analyses of multi-field coupling and structural mechanics, but many theoretical frameworks, experimental studies, and practical applications remain to be further explored. The aim of this Special Issue is to collect contributions concerning recent developments regarding multi-field coupling and structural mechanics in all fields of science and engineering, welcoming papers in relation to statics and dynamics, and their applications in modeling mechanical, electrical, thermal, magnetic, chemical, and biomedical systems with engineering applications. Theoretical and experimental studies, device developments, advanced materials, and cross-scales highlighting advances in multi-field coupling and structural mechanics are also welcomed. Please kindly note that all submitted papers should be within the scope of the journal where symmetry, or the deliberate lack of symmetry, is present.

Guest Editors

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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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