

Special Issue

Composite Structural Systems: Materials, Components, Structures, and Symmetry

Message from the Guest Editors

This Special Issue will explore the integration of composite materials, components, and structural systems, emphasizing the pivotal role of symmetry in enhancing performance and innovation. Symmetry principles govern material microstructures (e.g., fiber alignment), component geometries (e.g., balanced layering), and structural configurations, optimizing load distribution, dynamic response, and sustainability. Contributions will address symmetrical design in additive manufacturing, modular construction, and adaptive systems, balancing technical efficiency with esthetic coherence. We invite scholars to submit research on symmetry-driven optimization, novel composites, and applications in aerospace, civil, and architectural engineering, highlighting how symmetry bridges material science, structural mechanics, and sustainable design to advance next-generation composite systems.

Guest Editors

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Dr. Zefang Wang

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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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