

Special Issue

Welding and Friction Stir Processes for Composite Materials

Message from the Guest Editor

Composites are known for their excellent strength-to-weight ratio and versatility but pose unique challenges in joining techniques due to their distinct properties. This Special Issue addresses these challenges by highlighting innovative methodologies, optimization strategies, and case studies on welding and friction stir processes for composites. We will cover a range of topics, including novel welding techniques for composites, advancements in friction stir welding (FSW), solid-state methods to enhance composite and hybrid material properties, and their industrial applications. Contributions examining the impact of these processes on the mechanical properties, durability, and performance of composite joints are also welcome. By featuring leading experts and cutting-edge research, this Special Issue aims to provide a thorough overview of current trends, challenges, and future directions in the field. We invite researchers to submit articles related to composite welding and friction stir processes.

Guest Editor

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Deadline for manuscript submissions

closed (5 September 2025)



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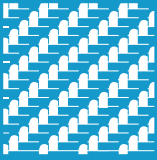
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Editor-in-Chief

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