

Special Issue

Frontiers in Friction Stir Welding and Processing

Message from the Guest Editor

The *Journal of Manufacturing and Materials Processing (JMMP)* is planning a Special Issue on friction stir welding and processing. Friction stir welding (FSW) is a universal solid-state joining method for high-strength aluminum alloys. FSW and its variants are emerging along with their manufacturing applications. The aim of this Special Issue is to bring together recent scientific advancements and innovations in the field of FSW and its related technologies with an emphasis on manufacturing and materials processing. High-quality contributions that demonstrate substantial advancements in FSW, variants, and applications will be considered for publication in this issue. The desired topics of contributions include but are not limited to:

- Variants, i.e., Friction Stir Spot Welding (FSSW), refill FSSW, etc.;
- Characterization of microstructure and mechanical properties;
- Quality inspection;
- Equipment and tooling;
- Process monitoring, control, and automation;
- Modeling and simulation;
- Manufacturing applications.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)



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About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

Editor-in-Chief

Prof. Dr. Steven Y. Liang
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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).