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Friction Stir Welding and Related Technologies

Guest Editors:

Prof. Dr. Carlos Leitao

Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Prof. Dr. Dulce Maria Rodrigues

Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions:

closed (31 July 2021)

Message from the Guest Editors

Current research findings in the Friction stir welding (FSW) field will be reported in this Special Issue of *JMMP*, where the main focus is providing a deeper understanding of the process, from the most fundamental weld formation mechanisms to the large-scale process control and application. Papers showing high-end knowledge about this technology and its variants will be considered in order to translate the valuable developments being performed by the scientific community on this research field.

We are interested in contributions in the following areas:

- Friction stir welding
- Friction stir processing
- Friction based additive manufacturing
- Robotics in FSW
- Numerical modelling of the FSW process
- Optimization of FSW parameters
- Mechanical and metallurgical characterization of FSW welds
- Techniques for mechanical and metallurgical characterization of FSW welds
- Internet of things (IoT) for FSW
- Applications of FSW
- Case studies of FSW in the industrial environment



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Special issue



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Editor-in-Chief

Prof. Dr. Steven Y. Liang

George W. Woodruff School of
Mechanical Engineering, Georgia
Institute of Technology, Atlanta,
GA 30332-0405, USA

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*.

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*Journal of Manufacturing and
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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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