Special Issue

Recent Developments in Friction Stir Welding Technology and Applications

Message from the Guest Editor

Friction Stir Welding (FSW) technology is a solid-state welding process, patented by The Welding Institute (TWI) in 1991. Although it was initially conceived for the joining of aluminum alloys, the analysis of the welds obtained via FSW quickly revealed the potential of this technology to be used in the similar and dissimilar joining of other non-ferrous and ferrous materials, as well as in the production of new materials and/or in the transformation of surfaces. When used with these two objectives, the FSW technology becomes known as Friction Stir Processing (FSP). The research and development in the joining and processing of materials via FSW is still under development. The diversity of applications, as well as the number of technology variants, both in terms of welding and material processing, continues to grow. The works published worldwide based on the use of FSW technology cover topics ranging from applied sciences to fundamental sciences. This Special Issue aims to compile any new developments in any of these areas.

Guest Editor

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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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