



Special Issue on Friction Stir Welding

Call for Papers

Friction stir welding is a welding method invented by British welding institute (TWI) in 1991 to join metals, metal matrix composites, ceramics and plastics without melting the workpiece material. It has been widely applied in aerospace, shipbuilding automobiles, electronics and electric power. In particular, it can be used in welding of high-strength aerospace aluminum alloys and other high temperature metallic alloys. Due to its better mechanical properties, energy efficiency, low environmental impact, reduced requirement of machining compared with fusion welding, friction stir welding is considered to be the most significant development in metal joining in recent decades.

In this special issue, we intend to invite front-line researchers and authors to submit original researches and review articles on exploring **friction stir welding**. Potential topics include, but are not limited to:

- Friction stir welding of aluminum alloy
- Friction stir welding of steel
- Friction stir weld of magnesium alloy
- Principles of friction stir welding
- Modeling of friction stir welding
- Prospects of friction stir welding

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Friction Stir Welding**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	December 28th, 2017
Publication Date	February 2018

Guest Editor:

For further questions or inquiries



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