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Metallic/Polymeric/Composite Materials and Their Friction Stir Welded and Bonded Joints

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Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editor

the Special Issue, “Metallic/Polymeric/Composite Materials and Their Friction Stir Welded and Bonded Joints”, will address advances in application of these technologies to the manufacturing of single- and multi-material joints, covering experimental characterization, theoretical and numerical modelling as well as non-destructive assessment.

The development and application of highly performing metallic materials grades, polymers and composites and high-yield joining technologies such as Friction Stir Welding (FSW) and Adhesive Bonding (AB), allow for an easier manufacturing of multi-material, optimized structures.

Original papers and reviews are therefore solicited on all types of metallic, polymeric and composite materials friction stir welded and bonded joints experimental characterization, theoretical and numerical modelling as well as non-destructive assessment. The interest of the special issue extends also to all friction stir-based joining processes and to the combined use of FSW and AB. Articles and reviews encompassing automotive, aerospace, shipbuilding and any other possible industrial application fields of these techniques are very welcome.



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Special Issue



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Message from the Editor-in-Chief

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