

Special Issue

Recent Advances in Materials Welding and Joining Technologies

Message from the Guest Editors

At present, the material concepts used for various products vary considerably, but the common goal is the economic efficiency of production while maintaining customer requirements. Since complex products can consist of different types of ferrous and non-ferrous metals or the now increasingly used composite materials. Therefore, research in the area of joining materials of different grades, thicknesses, or combinations is very important. This Special Issue includes original research and review studies regarding the aspects of joining technologies for various types of materials: ferrous and non-ferrous metals, composites, hybrid materials, and other modern materials. The research should be focused on joining materials with an emphasis on the evaluation of the properties of the joints (static and dynamic strength properties, corrosion resistance, etc.) or the prediction of the properties of the joints using the means of numerical simulations. The latest information on trends in the applications of joining systems for joining new materials with different physical and chemical properties will be expected.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2024)



Applied Sciences

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CiteScore 5.3



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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