# Special Issue

# Hybrid Metal-Polymer Joints

### Message from the Guest Editors

Multi-material hybrid structures (MMHSs) are highly demanded in several fields, including civil, transport, aerospace, and biomedical fields. The main challenge when manufacturing MMHSs is represented by the adoption of the joining process between such dissimilar materials. Conventional mechanical fastening and adhesive bonding involve several issues. Thus, because of the increasing demand for MMHSs, several new joining processes have been developed in order to overcome such limitations. Fast mechanical joining processes (such as clinching as self-pierce riveting) and thermomechanical joining processes (such as laser direct joining, friction joining, and ultrasonic joining) have been developed in recent years as suitable alternatives for the production of multi-materials hybrid structures. This Special Issue is aimed at collecting original research and literature reviews concerning conventional processes and recent developments in this field.

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### Deadline for manuscript submissions

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Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

## Editors-in-Chief

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