

Special Issue

Welding, Joining, and Additive Manufacturing of Metals and Alloys (Second Edition)

Message from the Guest Editors

The constant development of new materials and products also promotes the research and development of welding, joining, and build-up welding technologies as well as additive manufacturing technologies. These investigations are multidisciplinary and include processes and their automatization, monitoring and control, materials, weldability and joinability of materials and alloys, design of products and joints, and advanced characterisation and numerical simulations to comprehensively understand physical and metallurgical phenomena. A successful understanding of these phenomena enables the development of solutions to overcome these problems. This Special Issue aims to report basic and applied research results as well as case studies in the field of weldability and joinability of materials, additive manufacturing, automation, process improvement, and advanced characterisation.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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