Special Issue

Advances in Welding Process and Materials

Message from the Guest Editors

Dear colleagues,

Welding and joining these new materials present a major challenge to engineers and technicians involved in product design and manufacturing. Therefore, new materials research should be conducted hand in hand with work on weldability and joining capacity aspects, as well as the development of new welding techniques. The aim of this Special Issue is to provide a platform for researchers from all over the world to present their research results and development activities in the field of welding and joining of both advanced and conventional engineering materials. In this Special Issue, research areas may include (but are not limited to) the following:

- New joining technologies.
- Quality of welded joints and welded structures.
- Modeling and simulation of welding processes.
- Specific problems in advanced materials joining.
- Mechanical and structural characterization of advanced materials and joints.
- Engineering applications of surface coatings.
- Damage to metal and non-metal structures.

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Deadline for manuscript submissions

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About the Journal

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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