

Special Issue

Research on High-Heat-Input Welding and Three-Dimensional Printing

Message from the Guest Editor

This Special Issue aims to focus on high-heat-input welding, e.g., laser welding and plasma and welding, which involves welding with high-heat-input for obtaining greater welding efficiency than conventional welding processes. We invite submissions of papers that address optimization of welding conditions, changes in mechanical properties after welding, numerical analysis based on the finite element of welding, challenges in 3D printing and WAAM (wire arc additive manufacturing), etc.

Guest Editor

Dr. Jaewoong Kim

Smart Mobility Materials and Components R&D Group, Korea Institute of Industrial Technology, Cheonan 61012, Republic of Korea

Deadline for manuscript submissions

closed (20 April 2024)



Materials

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Impact Factor 3.2
CiteScore 6.4
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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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