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# Advanced Manufacturing and Joining Technologies of Aluminum and Steel Sheets

Guest Editor:

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Deadline for manuscript submissions:

closed (15 November 2021)

## **Message from the Guest Editor**

This Special Issue aims at collecting contributions about advanced manufacturing and joining technologies used to fabricate aluminum and steel sheet parts in industry (e.g., automotive, aerospace, energy industry) through high-quality manuscripts able to point out the scientific and technical advances in these fields. Contributions can include but are not limited to:

- Advanced manufacturing processes;
- Friction stir welding, friction stir spot welding, laser welding, hybrid welding, explosive welding, ultrasonic welding, mechanical riveting and clinching and other innovative joining technologies;
- Gas forming, hydroforming, incremental forming, laser forming and other innovative forming techniques;
- Optimization of traditional manufacturing and joining processes;
- Monitoring and control of advanced manufacturing and joining processes;
- Numerical simulation of manufacturing and joining processes;
- Development of innovative tools and equipment;
- Mechanical and microstructural characterization of parts and joints;
- Heat and surface treatments of aluminum and steel sheets.



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(Condensed Matter Physics)

# Message from the Editor-in-Chief

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Materials (ISSN 1996-1944) was launched in 2008. The twenty-five iournal covers comprehensive biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing systems, processes and nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics photonics, corrosion, construction and building materials, materials simulation and design, electronic materials,

Open Access: free for readers, with article processing charges (APC) paid by authors or advanced and functional ceramics and glasses, metals and soft matter, polymeric materials, quantum TE (Web of Science), PubMed, mechanics of materials, 'green materials, Scifinder, Inspec, Astrophysics Data System, and general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 large readership.

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