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Advanced Flexible Forming Technologies

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear colleagues,

This Special Issue aims to address the latest research related to advanced flexible forming technologies using high pressure/high temperature based on lightweight materials including titanium alloys, aluminum alloys, superalloys, copper alloys, composite materials and multi-materials structure composites, as well as plastic materials. Finally, the forming technologies are listed as follows:

1. Hot isostatic pressing, hot pressing, powder metallurgy and other advanced high pressure/high temperature forming technologies;
2. Hydro-forming and other fluid media-forming technologies;
3. Diffusion bonding and other advanced joining technologies;
4. Forming technologies of composite materials and multi-materials structure composites;
5. Other advanced flexible forming technologies like incremental forming, spinning, rubber bladder forming, creep age forming, shot peening, extremely low temperature forming, high-speed forming including electric magnetic forming, electric hydro forming and explosive forming;
6. Some other innovative forming technologies.

High-quality research articles are encouraged and welcome to be submitted to this Special Issue.

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Message from the Editorial Board

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.

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