

## Special Issue

# Advances in Semi-solid Forming (2nd Edition)

### Message from the Guest Editors

Semi-solid metal forming has developed since the 1970s. Thixoforming has been widely used in Europe, America, Japan and other countries to manufacture high-performance automobile, aircraft and other parts. Rheological forming technology has more advantages in energy saving and cost reduction. With the development and maturity of semi-solid slurry preparation technology, rheological forming is developing more and more rapidly. Rheological forming technology has been widely used in 5G communication filter boxes, new energy vehicle battery packs and other complex and thin-walled radiator parts. The large-scale complex thin-walled aluminum alloy devices made of special semi-solid die-casting aluminum alloy with high thermal conductivity have broad application prospects that can be utilized in the future. This issue provides some representative achievements in this field to exchange.

### Guest Editors

Prof. Dr. Renguo Guan

Key Laboratory of Near-Net Forming of Light Metals of Liaoning Province, Dalian Jiaotong University, Dalian 116028, China

Dr. Jiehua Li

Institute of Casting Research, Montanuniversität Leoben, A-8700 Leoben, Austria

### Deadline for manuscript submissions

closed (15 May 2024)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metals@mdpi.com](mailto:metals@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering,  
State Key Laboratory for Advanced Metals and Materials, University of  
Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083,  
China

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