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Advanced Welding Technologies and Additive Manufacturing of Alloys and Metals (2nd Edition)

Guest Editors:

Dr. Ting Wang

State Key Laboratory of
Advanced Welding and Joining,
Harbin Institute of Technology at
 Weihai, Weihai, China

Dr. Ke Han

School of Materials Science and
Engineering, Jiangsu University,
Zhenjiang, China

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the latest results of research on the welding and additive manufacturing technology of advanced metal materials, including the microstructure, mechanical properties, and quality control of welding and additive manufacturing based on heat sources such as arcs, lasers, and electron beams.

The key areas of focus are new strengthening mechanisms, the relationship between microstructure and properties, new microstructure control technologies, process stability, and on-line defect detection methods.

The current Special Issue aims to explore the advanced welding and additive manufacturing of alloys and metals and study the basic principles of microstructure and property regulation. The articles presented in this Special Issue will address various topics, ranging from the exploration of advanced welding technologies to microstructure regulation and the performance improvement of alloys and metals.



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Special issue



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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

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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