Special Issue

Selected Papers from LightMat 2019

Message from the Guest Editors

The manufacture of light alloys (Al, Mg, Ti) into advanced wrought products is widely recognised as a key technology for a sustainable future. Challenges and opportunities in light metals are the focus of LightMAT 2019 (https://lightmat2019.dgm.de/home/), the 3rd International Conference on Light Materials, to be held 5th-7th November 2019 in Manchester, UK. LightMAT provides a global forum for academia and industry to showcase the latest innovations in aluminium, magnesium, and titanium science and technology. Topics will include

- processing,
- additive manufacturing,
- alloy development,
- characterization, and simulation.

A special session on light metal forming will present the latest developments in this fast-moving field. This Special Issue on “Light Materials” is set to publish selected works presented at this event, in order to share recent progress and new achievements in this emerging field with broader scientific and industrial communities.

Guest Editors

Prof. Joseph D Robson

Prof. Dr. Philip B Prangnell

Dr. Martin Jackson

Dr. Axel von Hehl

Deadline for manuscript submissions

closed (20 June 2020)

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About the Journal

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.

Editors-in-Chief

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Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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