Special Issue

Applications of Modeling and Machine Learning in Additive Manufacturing

Message from the Guest Editors

We are inviting you to submit a manuscript regarding the applications of modeling and machine learning in additive manufacturing for a Special Issue of *Materials*. Topics of interest include but are not limited to:

- applications of modeling and machine learning for the novel design of additively manufactured products;
- additive manufacturing processes;
- alloy design;
- tailoring microstructure;
- customized mechanical and chemical properties;
- improved creep resistance, fatigue life, and serviceability;
- reducing defects and residual stresses and distortion.

The scope of this Special Issue also includes all 3D printing processes for alloys, ceramics, and polymers.

We look forward to working with you on the publication of this Special Issue. Please feel free to contact us if you have any questions.

Guest Editors

Dr. Tuhin Mukherjee

Department of Mechanical Engineering, Iowa State University, Ames, IA, USA

Dr. Qianru Wu

Jiangsu Key Laboratory of 3D Printing Equipment and Manufacturing, School of Electrical & Automation Engineering, Nanjing Normal University, Nanjing, China

Deadline for manuscript submissions

closed (20 December 2024)

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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

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