micromachines

IMPACT FACTOR 3.5

Indexed in: PubMed

CITESCORE 7.1

an Open Access Journal by MDPI

Micro-Machining: Challenges and Opportunities

Guest Editors:

Prof. Dr. Xichun Luo
Centre for Precision Manufacturing, Department of Design, Manufacturing and Engineering Management, University of Strathclyde, Glasgow G1 1XJ, UK

Dr. Wenlong Chang
Centre for Precision Manufacturing, Department of Design, Manufacturing and Engineering Management, University of Strathclyde, Glasgow, UK

Prof. Dr. Jining Sun
Key Laboratory for Micro/Nano Technology and System of Liaoning Province, Dalian University of Technology, Dalian, China

Deadline for manuscript submissions:
closed (31 May 2018)

Message from the Guest Editors

Dear Colleagues,

Nowadays, micromachining technologies are clearly advancing towards the economical manufacturing of customized high-precision 3D micro-products made of a variety of materials, including difficult-to-machine materials, such as glass, sappier, ceramics, hard steels, and CoCr. They propose significant research challenges from the aspects of fundamental machining mechanisms, micro-tooling technologies, machine dynamics, machining dynamics, thermal control, etc., but, meanwhile, provide great opportunities to research and develop new advanced micromachining technologies, such as multi-scale modelling, hybrid micromachining, and dynamic error compensation to name a few.

Therefore, we invite contributions to showcase recent novel technological advances in micromachining technologies. Papers in all areas of micromachining technologies will be considered; including, but not limited to, micro-cutting, micro-milling, micro-grinding, polishing, micro-EDM, micro-ECM, laser micromachining, FIB micromachining, and hybrid micromachining.

Prof. Xichun Luo
Dr. Wenlong Chang
Dr. Jining Sun
Guest Editors

mdpi.com/si/11652

Special Issue

micromachines

IMPACT FACTOR 3.5 | Indexed in: PubMed | CITESCORE 7.1

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nam-Trung Nguyen
Queensland Quantum and Advanced Technologies Research Institute, Griffith University, West Creek Road, Nathan, QLD 4111, Australia

Message from the Editor-in-Chief

Micromachines (ISSN 2072-666X) is a forum for cutting-edge interdisciplinary research on micro and nanoscale science and technology. We emphasise the practical, real-world value of micro and nanotechnologies that will place *Micromachines* in a leading position among engineering and technology journals.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.
Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/micromachines
micromachines@mdpi.com
𝕏@micromach_mdpi