



Selected Papers from MNC 2017

Guest Editors:

Prof. Dr. Suk Ho Choi

Nanostructure and Display Lab,
Department of Applied Physics,
College of Applied Science,
Kyung Hee University, Yongin
446-701, Korea

Prof. Dr. Jin Dong Song

Nano Convergence Devices
Center, Korea Institute of Science
and Technology, Seoul 136-791,
Korea

Prof. Dr. Changhwan Choi

Division of Materials Science and
Engineering, Hanyang University,
Seoul 04763, Republic of Korea

Deadline for manuscript
submissions:

closed (15 March 2018)

Message from the Guest Editors

Microprocessing (microfabrication) and nanotechnologies are key technical platforms for the construction of an advanced information society in the 21st century. Apart from their continuous contributions to the high integration of semiconductor devices, which are the core drivers of the technologies, microprocessing and nanotechnologies are anticipated to improve a wide range of advanced convergence technologies in the fields of information-communication, and bio, medical, and environmental control technologies. In order to meet the social expectations through practical R&D of innovative next-generation devices, an all-around-view R&D is crucial in semiconductor processing/inspection technologies on the 14 nm-and-below scale, microscopic processing/assessment technologies in the several-nm/several-tens-nm range, atom technology, which controls atoms, and microscopic technologies, which are applied to advanced devices, such as new physics/chemistry, quantum devices, micromachines, and nanobiologies. Additionally, comprehensive R&D in fabrication, equipment, materials, sensing and device-integration technologies leads to further development of those technologies.





Editor-in-Chief

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

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 (*Chemistry, Analytical*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://x.com/micromach_mdpi)