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Special Issue on Applications of Micro and Nano-Manufacturing

The objective of this Special Issue is to connect the ASME *Journal of Micro and Nano-Manufacturing* (JNMN) and researchers developing micro and nano-manufacturing (MNM) technologies for new, emerging applications and/or applying these technologies to enable the manufacture of new products by a collection of scholarly articles within the JNMN scope. It provides an opportunity for the global MNM community to present original theoretical and applied research. Papers accepted for this Special Issue are invited to present at the World Congress of Micro and Nano-Manufacturing 2023 at Northwestern University (Evanston, IL, USA) on September 19-21, 2023.

Topic Areas

The scope of this Special Issue will cover, but is not limited to, the following topics:

Advances of MNM technologies: unit micro- and nano-manufacturing processes, hybrid manufacturing processes combining bottom-up and top-down processes, hybrid manufacturing processes utilizing various energy sources (optical, mechanical, electrical, solar, etc.) to achieve multi-scale features and resolution, high-throughput micro- and nano-manufacturing processes, large area processing with micro- and nano-scales feature resolution, metrology at the micro- and nano-scales over large areas, in process inspection and process monitoring, assembly of micro components and process modelling and simulation

For enabling the manufacture of: microfluidics and nanofluidic devices, THz devices; micro optics components and devices, energy storage devices; power generation devices, moulded interconnect devices; sensors; actuators, consumer electronics, life-sciences and medical devices, metasurfaces and Metamaterials

Publication Target Dates

Paper submission deadline	May 30, 2023
Review completed	August 1, 2023
Special Issue publication date	December 2023

Submission Instructions

Papers should be submitted electronically to the journal at journaltool.asme.org. If you already have an account, log in as an author to your ASME account. If you do not have an account, sign up for an account. In either case, at the **Paper Submittal** page, select the [ASME Journal of Micro and Nano-Manufacturing](#) and then select the Special Issue **Applications of Micro and Nano-Manufacturing**.

Papers received after the deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue.

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