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[ASME *Journal of Micro- and Nano-Manufacturing*]

Special Issue on Remote Micro- and Nano-Manufacturing Science, Engineering, and Education

This Special Issue of ***Journal of Micro- and Nano-Manufacturing*** is devoted to remote micro- and nano-manufacturing science, engineering, and education – to new trends brought forward partly due to unprecedented challenges encountered by the scientific community during the worldwide COVID-19 pandemic.

Many research labs are either closed or have severely restricted access, and consequently, experimental research has slowed d own at least temporarily. At the same time, our research community is resilient. We have switched to the modes of research available to us now – analysis of previously-collected data, simulation-based approaches, efficient use of available (albeit limited) access to the labs, and remote ways of communication with our colleagues and research teams – and remote education has found nearly ubiquitous application. It is likely that some of the research and education approaches developed as temporary solutions during the current health eme rgency will be utilized widely even when the health crisis subsides, and will represent new approaches used in academia and industry.

This Special Issue is looking for contributions on a wide range of topics ranging from new ways of conducting science away from the lab and description of novel manufacturing processes that have been thought up while away from the labs, to the proposals of new remote ways of teaching manufacturing classes, to biomanufacturing processes related to COVID-19 diagnostics. The Special Issue seeks technical papers, such as simulation-based research or artificial intelligence-enhanced manufacturing, as well as some reflective opinion pieces on the impact of the current health crisis on the future of our micro- and nano-manufacturing field.

Topic Areas

- Remote science
- Novel manufacturing processes
- Biomanufacturing
- Manufacturing for health technology
- Artificial intelligence enhanced manufacturing
- Cyber physical production systems
- Micro-manufacturing
- Nano-manufacturing
- Sustainable micro-manufacturing

Publication Target Dates

Paper submission deadline	**January 15, 2021**
Initial review completed	**January 31, 2021**
Special Issue publication date	**March 31, 2021**

Submission Instructions

Papers should be submitted electronically to the journal at **journaltool.asme.org**. If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. In either case, at the **Paper Submittal** page, select the ***Journal of Micro- and Nano-Manufacturing*** and then select the Special Issue **Remote Micro- and Nano-Manufacturing Science, Engineering, and Education.**

Opinion pieces 500 to 1,000 words long will be accepted.

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

Special Issue Editors

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