

MSEC 2024 Call for Proposals: State-of-the-Art Papers (For Publication in MSEC 2025)

ASME – Manufacturing Engineering Division (MED)

2024 ASME International Conference on Manufacturing Science & Engineering (MSEC)

June 17 – June 21, 2024

Knoxville, Tennessee, USA

Hosted by the University of Tennessee - Knoxville

The MED Executive Committee (EC) is currently soliciting proposals for State-of-the-Art (SOA) papers to be presented at MSEC 2025, also to be published in the MSEC proceedings and an ASME manufacturing journal. An SOA paper is essentially a comprehensive literature review with multifaceted analysis of one or more (related) manufacturing processes, technologies or systems. An example of SOA papers can be found from: MSEC 2020 Opportunities and Challenges in Metal Forming for Lightweighting: Review and Future Work. (Paper No. MANU-20-1095, <https://doi.org/10.1115/1.4047732>).

The purposes of SOA papers are:

- To document the past, current and/or emerging state-of-the-art manufacturing processes, technologies or systems for the consumption of the manufacturing community,
- To recognize the contributions of the SOA paper authors via a presentation at the MSEC conference as an invited paper, and
- To be archived in an ASME manufacturing journal, either Journal of Manufacturing Science and Engineering (JMSE) or Journal of Micro and Nano-Manufacturing (JMNM).

Since composing an SOA paper is a major undertaking, the proposal solicitation and selection are intended to be earlier, giving a long lead time (over one year) for the authors to plan, coordinate, write and assemble the proposed SOA paper. (Note: The SOA paper selections for MSEC 2025 will be finalized in Year 2024, to give the team a full year to plan and write the SOA paper).

Guidelines for the SOA paper proposals:

- The proposed team of authors must contain at least one ASME member.
- The SOA paper proposal must be submitted by an ASME member through a TC Chair for initial review.
- The proposed SOA paper could either be a specific topic or a TC-wide topic.
- If selected, the lead author of the proposed SOA paper is required to regularly, every 3 months, update the SOA progress at MED's conference calls.
- The selected proposals are required to have a full manuscript submitted, by about November 15, 2024 (tentative paper submission deadline), to be reviewed and included in the MSEC 2025 Proceedings.
- The selected proposals are required to have the SOA papers presented at the MSEC 2025 conference.
- EC will communicate with the journal editor (JMSE or JMNM) to attempt having the selected SOA papers published in one of these two journals. The authors will then submit their SOA papers to the corresponding JMNM or JMSE editor for a 2nd round of formal manuscript review before its acceptance for publication.

Note:

The length of an SOA paper is recommended to be 15 to 25 pages (ASME conference paper template format) because it is expected to have a broader scope and many more citations than a standard journal paper (12 pages). JMSE/JMNM editors, Dr. Albert Shih and Dr. Stefan Dimov, respectively, have agreed to waive any mandatory page charges for the SOA papers.

Proposal Submission & Selection Process

SOA Paper Proposal Submission Process:

Each of the Technical Committees (TC) in MED may submit one SOA paper proposal (for MSEC 2025). The proposal submission must include:

- Corresponding proposer and contact information (Name, affiliation, email, phone number)
- Proposed SOA paper title
- Abstract
- Prospective authors with affiliation (identify author(s) who is an ASME member)
- Paper outline

Proposals for SOA are due by January 30, 2024. Submissions should be made to the MSEC 2024 Technical Program Chair: Dr. Chinedum Okwudire (okwudire@umich.edu) and Co-chair: Dr. Guha Manogharan (gum53@psu.edu).

SOA Paper Proposal Selection Process:

- 1- MED EC and MSEC 2024 Technical Program Chair/Co-Chair will complete first round of review of all submitted SOA paper proposals by **February 26th, 2024**. Pending review results, the proposers may be asked to provide, in 2 weeks, additional information or revision.
- 2- Once finalized, ASME MED Executive Committee (EC) will communicate with the SOA paper proposers with a final decision (acceptance or rejection) by **March 20th, 2024** (tentative).