

— **Call for Papers** —
A Symposium on
Research in Collaboration with Manufacturing USA Institutes

Co-sponsors: ASME's Manufacturing Engineering Division (MED), North American Manufacturing Research Institution (NAMRI) / Society of Manufacturing Engineers (SME), and Advanced Manufacturing National Program Office (AMNPO)

At: ASME's 2018 International Manufacturing Science and Engineering Conference (MSEC 2018)* and NAMRI/SME's 46th North American Manufacturing Research Conference (NAMRC46)
June 18 – 22, 2018
Texas A&M University, College Station, Texas, USA

Technical Focus

The first goal of this symposium is to highlight and discuss applied research in advanced manufacturing conducted in collaboration with one or more *Manufacturing USA Institutes*. The second goal of this symposium is to highlight and discuss basic research in advanced manufacturing, which may enable innovations in the technical focus areas of the *Manufacturing USA Institutes*. This symposium seeks basic and/or applied research in advanced manufacturing that could feed the upstream pipeline of breakthrough technologies and innovations that *Institutes* can transform into scalable production processes and systems for use by industry. The applied or basic research presented in this symposium will leverage the facilities, infrastructure, expertise, and member companies of one or more *Manufacturing USA Institutes*.

This symposium will accept written papers or oral presentations on research that is being (or has been) done in collaboration with one, or more, Manufacturing USA institutes (<https://www.manufacturingusa.com/institutes>). There are currently 14 Manufacturing USA institutes. Papers / presentations on any of the technical focus areas of the Manufacturing USA institutes are of interest. Papers / presentations of interest include, but are not limited to:

- Applied research (TRL 4-7) that is/was funded by a Manufacturing USA institute,
- Applied research (TRL 4-7) that is/was done in collaboration with a Manufacturing USA institute, and
- Basic research (TRL 1-3) that is/was done in collaboration with a Manufacturing USA institute and was funded by the U.S. National Science Foundation (NSF) or another funding source.

Important Deadlines

November 30, 2017 Abstracts and draft papers must be submitted to ASME Toolbox

March 31, 2018 Final revised manuscripts must be submitted

April 20, 2018 Copyright forms submitted and authors registered for the conference

June 18-22, 2018 Conference at Texas A&M University in College Station, TX

Authors may should consult <http://www.asmeconferences.org/MSEC2018/ConfSpecInfo.cfm> for information on formatting their paper(s). **No papers are to be submitted to the organizers; submissions will only be accepted via the conference website at: www.asmeconferences.org/msec2018/.**

Additional Symposium Activities

- The organizers will consider requests for authors to submit an abstract and give a presentation, without the need to submit a paper that will be published in the conference proceedings. An abstract must be submitted.
- The Advanced Manufacturing National Program Office (AMNPO) / National Institute of Standards and Technology (NIST) will cover conference registration fees, lodging (up to two nights), and transportation costs (per government travel rules) for selected (presenting) authors.
- The top-rated papers will receive Manufacturing USA Research Paper Awards.

Organizers

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* NAMRI/SME's 46th North American Manufacturing Research Conference (NAMRC46) and ASME's 2018 International Manufacturing Science and Engineering Conference (MSEC 2018) are co-located.