

— Call for Papers —

A Symposium on

Advances in Assisted / Augmented Manufacturing Processes

Sponsored by the ASME Manufacturing Engineering Division's
Manufacturing Processes Technical Committee

2017 ASME International Manufacturing Science and Engineering Conference (MSEC)*
June 4-8, 2017

University of Southern California

Technical Focus

Manufacturing of materials can be a challenging task, particularly due to the targets of cost and time minimization at maximum quality. When manufacturing process parameters cannot be compromised further due to process constraints to achieve required targets, auxiliary systems can provide significant aid in improving results. These auxiliary systems can be merely assisting the process to overcome capability restrictions in the short term, or augmenting the process to create new solutions in the long term. This symposium will focus on the advances on both types of auxiliary systems that avail further optimization of manufacturing processes. Papers from both academia and industry are strongly encouraged. **More specifically, this symposium is focused on applications where traditional manufacturing process performance is extended or improved through the addition of complimentary processes.** Topics of interest include, but are not limited to:

- Electrically-Assisted Manufacturing Processes
- Thermally-Assisted Manufacturing Processes
- Magnetic Field-Assisted Manufacturing Processes
- Laser-Assisted Manufacturing Processes
- Ultrasonically-Assisted Manufacturing Processes
- Hybrid (Coupled) Manufacturing Processes
- Novel Methods of Tool Cooling

Paper Submission

Authors are encouraged to submit an abstract and full manuscript for review by **November 03, 2016** via the conference website. Final revised manuscripts must be submitted by **March 08, 2017**. The copyright transfer form must be filled out and the presenting author must pre-register by April 06, 2017 or the paper will be withdrawn from the conference. Authors may also consult www.asme.org/divisions/med/call/ for updates. **No papers are to be submitted to the organizers; submissions will only be accepted via the conference website at: www.asmeconferences.org/msec2017/.**

Organizers

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* The conference is collocated with NAMRI/SME's 45th North American Manufacturing Research Conference (NAMRC45) and JSME's International Conference on Materials and Processing (ICMP 2017), both of which have a separate call-for-papers. Please note that submissions of the same paper to more than one conference are not permitted.