

— Call for Papers —

A Symposium on

Competitive Manufacturing (CM)

Sponsored by the ASME Manufacturing Engineering Division's

Quality & Reliability Technical Committee

2017 ASME International Manufacturing Science and Engineering Conference (MSEC)*

June 4-8, 2017

University of Southern California

Technical Focus

This symposium is proposed as a publishing venue for high quality research work intended to study the complex relationship between business and manufacturing. Example of such work: innovative manufacturing processes, manufacturing systems, modelling and simulation, optimization and their impact on quality, productivity, gaining and sustaining a competitive edge.

Research work that address transformations such as lean, agile, leagile, six-sigma, JIT, TQM, etc. is of special interest to this symposium. Cost savings, metrics, maturity trackers, motivations, understanding market drivers, as well as scope and limitations are expected to be addressed. CM is also concerned with the manufacturing system aspect. As an example the impact of cyper-physical and smart manufacturing on product quality, cost and time savings, and how this will help to overcome market pressure.

Research work intended to develop proactive techniques(systems) to sustain competitiveness, workforce development and manufacturing strategies, market analysis, and finally curriculum innovation targeting this area, lines very well with the objectives of the symposium. All specific topics of interest include, but are not limited to:

- Manufacturing system transformation.
- Proactive techniques.
- Impact of Cyper-physical and smart manufacturing infra-structure on the manufacturing competitiveness/quality.
- Impact of Modelling and simulation.
- Impact of advances in manufacturing system.
- Impact of Current advances in operation, enterprise, and supply chain management.
- Market analysis from a manufacturing prospective.
- Issues in collaborative manufacturing.
- Modelling and Evaluation of opportunity loss/gain in manufacturing.
- Curriculum and workforce development.

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transfer form must be filled out and the presenting author must pre-register by April 06, 2017 or the paper will be withdrawn from the conference.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/.**

Additional Symposium Activities

To highlight advancements in this technical area, symposium organizers will:

- Work to attract international submission.
- Work towards identifying a state-of-the-art paper that could lead to a special issue.

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.