

**— Call for Papers —**  
A Symposium on  
**Advances in Quality and Continuous Improvement  
in Manufacturing Development and Execution**

Co-sponsored by the ASME Manufacturing Engineering Division's  
*Quality & Reliability Technical Committee*  
*Manufacturing Systems Technical Committee*  
2020 ASME International Manufacturing Science and Engineering Conference (MSEC)\*  
June 22 – 26, 2020  
Cincinnati, Ohio  
Hosted by the University of Cincinnati, College of Engineering and Applied Science

### Technical Focus

The quality has always been the key characteristics and performance indicators of manufacturing. Significant new advances and progresses, such as on the principles, methodology, computer simulation, and applications, have been made by industrial practitioners and academic researchers. This symposium will focus on the research, development, and application efforts addressing the advancement of quality engineering, lean methodologies, continuous improvement in manufacturing processes. Presentations in this session will portray the latest developments in the principles, practices, tools, processes, and applications. Specific topics of interest include, but are not limited to:

- Innovative visions on manufacturing quality
- Strategies of manufacturing quality assurance in the integration of product development
- New methods and tools of quality engineering
- Innovations in algorithms and models of quality engineering
- New approaches of data measurement and analysis in quality engineering
- New concepts of total quality management and their applications
- Trends in failure analysis of manufacturing processes, equipments, and systems
- Model-based quality control for manufacturing processes
- Discrete event simulation for improved manufacturing quality and productivity
- Optimization of quality for development time and cost of manufacturing
- Comprehensive approaches of problem solving in manufacturing operations
- Integration of lean manufacturing and quality engineering
- New approaches of six sigma and lean product development for Manufacturing
- Lean six Sigma, application and improvement methods in Manufacturing
- Applications of Lean Manufacturing Principles

### Paper Submission

Authors are encouraged to submit an abstract and full manuscript for review by **November 15, 2019** via the conference website. Final revised manuscripts must be submitted by **March 26, 2020**. The copyright transfer form must be filled out by March 19, 2020 and the presenting author must pre-register by **April 15, 2020** or the paper will be withdrawn from the conference. **No papers are to be submitted to the organizers; submissions will only be accepted via the conference website at <https://event.asme.org/MSEC/>.**

All papers accepted by MSEC2020 can be further submitted to any ASME journals, such as the highly prestigious Journal of Manufacturing Science and Engineering, for consideration of archival publication. In addition, high quality MSEC2020 papers will be automatically channeled to relevant ASME journals for fast-tracked publications.

### Additional Symposium Activities

In order to communicate the knowledge generated through this symposium to a wide audience, the organizers will:

- organize a special issue in the ASME J. of Manufacturing Science and Engineering
- organize a state-of-the-art paper that will be the lead article in the special issue

### Organizers:

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\* The conference is collocated with NAMRI/SME's 48th North American Manufacturing Research Conference (NAMRC48) and LEM&P (Leading Edge Manufacturing / Materials and Processing) by The Japan Society of Mechanical Engineers (JSME), which will have a separate call-for-papers. Please note that submissions of the same paper to more than one conferences are not permitted.