

— Call for Papers —

A Symposium on **Cloud Manufacturing**

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

June 4-8, 2017

Los Angeles, CA

Hosted by University of Southern California

Technical Focus

Cloud manufacturing is an emerging model that allows manufacturing companies to “virtualize” manufacturing resources and offer them as consumable cloud-based services over the Internet. It enables the transformation of traditional, production-oriented manufacturing to a concerted, integrated and service-oriented manufacturing paradigm. Cloud manufacturing incorporates but moves beyond the data handling focus of cloud computing, to facilitate the management of distributed resources in a centralized way, building scale, maximizing resource utilization and increasing productivity. Cloud manufacturing promotes a paradigm of “manufacturing-as-a-service” and relies on a number of key technologies, e.g. cloud computing, Industrial Internet, cyber-physical systems, and manufacturing data management. This symposium focuses on all of these key technologies in Cloud manufacturing. Papers are invited in, but not limited to, the following areas:

- Cloud platform and architecture design
- Semantics and ontology of Cloud manufacturing
- Cloud manufacturing resources management and servicelisation
- Service-oriented process planning and scheduling
- Information and communication technologies for Cloud manufacturing
- Internet of Industrial Things
- Cyber-physical systems
- Cloud manufacturing for supply chain management
- Industrial case studies

Paper Submission

Abstracts and full manuscripts are submitted for review by **November 3, 2016** via the conference website. Final revised manuscripts must be submitted by **March 8, 2017**. *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 co-located 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.