IISE Transactions

CALL FOR PAPERS
Special Issue on Additive Manufacturing
IISE Transactions Focus Issue on Design and Manufacturing

Additive manufacturing (AM), or known as three-dimensional (3D) printing, refers to a new class of technologies associated with the direct fabrication of physical products from Computer-Aided Design (CAD) models by a layered manufacturing process. It is widely recognized as a disruptive technology, having the potential to fundamentally change the nature of future manufacturing. The changes involve each stage of the product life-cycle: design, modeling and simulation, manufacturing, quality control, metrology, and logistics, etc. This special issue intends to collect cutting-edge research works illustrating the impact of AM on design and manufacturing. Topics of interest for this special issue include, but are not limited to the following:

- Design for AM
- Process planning for additive manufacturing
- New AM processes and new material processing using AM techniques
- Functionally graded and multimaterial AM
- Design, analysis and optimization of AM parts
- Modeling and simulation of AM processes
- In-situ and in-line sensing, monitoring, and control of AM processes
- Statistical process control and capability analysis for AM processes
- Inspection, validation, verification and qualification of AM parts
- Data analytics and learning for AM, including cyber-enabled AM
- Shape analysis for AM
- Logistics and supply chain for AM
- Uncertainty quantification for AM
- AM applications in biomedical, energy, and transportation fields

Important Dates
- Manuscript submission deadline: September 1st, 2017
- Notification of disposition of the manuscript: December 1st, 2017
- Final revisions due: February 1st, 2018
- Final paper acceptance decision, April 1st, 2018
- Publication date: Summer/Fall, 2018

Submission Guidelines:
Authors should submit their paper through Scholar One's Manuscript Central online manuscript submission system at http://mc.manuscriptcentral.com/iietransactions. Please follow the instructions carefully. When queried, indicate the paper is being submitted to a **Special Issue**, identify the special issue as **Additive Manufacturing Special Issue** and select **Qiang Huang** as the preferred Editor.

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