Invitation to present at the organized session on "Additive Manufacturing"

Considerable media attention has recently been focused on Additive Manufacturing (AM), suggesting that AM technologies are poised to drive the *Next Industrial Revolution*. AM is uniquely positioned to provide a disruptive transformation in how products are designed and manufactured with dramatic benefits including the capability of creating geometrically complex objects impossible to fabricate otherwise, the avoidance of part-specific tooling, the ability for mass customization, and a reduction in material waste. Another potentially significant benefit of AM that has not been exploited commercially, but is receiving increasing attention from the research community, is derived from access to individual layers while a 3D object is additively fabricated, which enables multi-material fabrication for unique and customized 3D layouts. However, many challenges exist associated with design and production of multi-material and multi-functional components using AM, and this session provides a forum for researchers to present advancements in these areas as well as other AM research topics.

We cordially invite you to submit a paper to share your accomplishments and experiences in topics related to Additive Manufacturing at the session. Topics of particular interest include but are not limited to the following:

- Design for AM including multiple material components and devices
- AM Processes
  - Advancements in AM Processes
  - Multi-technology systems
  - Enhanced closed-loop control of AM systems
- Multiple Material AM
- AM Fabrication of Devices with Multi-functionality
  - Examples to include electronic devices, biomedical implants, metamaterials, and more

The session will be included in the 2014 International Symposium on Flexible Automation, which will be held at Awaji-Island, Hyogo, Japan, July 14-16, 2014. The Symposium is co-sponsored by ASME and ISCIE.

The deadline for submission of your contribution will be November 29, 2013. Both short (4 pages) and long papers (6 to 8 pages) will be considered. All submissions will be reviewed with acceptance notification by March 1, 2014. The deadline for camera-ready manuscripts is April 4, 2014.

Please send questions to emac@utep.edu and full details can be found for the conference and submission process at: http://www-dsc.mech.eng.osaka-u.ac.jp/ISFA2014/index.html

If you have any questions, please send e-mail to: emac@utep.edu

Best Regards, Organizing Committee of Sessions on "Additive Manufacturing":

Eric MacDonald (University of Texas at El Paso)

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