**Call for Papers**

a Session on

**Digital Design and Manufacturing**

2016 ASME/ISCIE International Symposium on Flexible Automation (ISFA2016)

InterContinental Hotel & Conference Center

August 1-3, 2016, Cleveland, Ohio, USA

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**Session Technical Focus**

This technical session is focused on the fundamental research and development of computational tools related to product design and manufacturing processes. This includes research activities on all aspects of product development: design, analysis, optimization, process planning, inspection and manufacturing. Relevant work should place a special emphasis on the computational methodologies underlying research in these areas. We cordially invite you to submit a paper to share your knowledge and expertise in all areas related to Digital Design and Manufacturing. Papers from the industrial sector are particularly encouraged. The session welcomes both theoretical and applied papers in areas including, but not limited to:

- CAD/CAM/CAPP/CAE techniques
- Geometric modeling and optimization
- Heterogeneous material modeling and design
- Multi-scale shape modeling and design
- Functional material modeling and design including structural, electrical, optical, etc.
- New digital technology enabled applications including biomedical, robotics, etc.
- Simulation-driven product development
- Geometric problems in manufacturing
- Additive manufacturing / 3D and 4D printing
- Design for additive manufacturing
- Manufacturing performance modeling and optimization

**Paper Submission**

The deadline for submission of your contribution to this session is **February 29, 2016**. Both short and long papers will be considered and reviewed. For short papers, please submit a summary of 1,000 words or less (short papers will be limited to 4 pages) and, for long papers, please submit a manuscript of no more than eight pages. All summaries and manuscripts should be submitted through the conference website at [http://engineering.case.edu/conference/ISFA2016/](http://engineering.case.edu/conference/ISFA2016/).

**Session Organizers**

Hideki Aoyama, Keio University, haoyama@sd.keio.ac.jp
Yong Chen, University of Southern California, yongchen@usc.edu
Masatomo Inui, Ibaraki University, masatomo.inui@vc.ibaraki.ac.jp
Koichi Morisige, The University of Electro-Communications, m-shige@mee.uec.ac.jp
Keiichi Nakamoto, Tokyo University of Agriculture and Technology, nakamoto@cc.tuat.ac.jp
Tetsuo Oya, Keio University, oya@sd.keio.ac.jp
Yayue Pan, University of Illinois at Chicago, yayuepan@uic.edu
Fumiki Tanaka, Hokkaido University, ftanaka@sst.ist.hokudai.ac.jp
Koji Teramoto, Muroran Institute of Technology, teramoto@mmm.muroran-it.ac.jp
Chi Zhou, University at Buffalo, chizhou@buffalo.edu