

## Call for Papers

a Session on

# Digital Design and Manufacturing

2018 International Symposium on Flexible Automation (ISFA2018)  
Conference Center of the Kanazawa Chamber of Commerce and Industry  
July 15-19, 2018, Kanazawa, Ishikawa, Japan

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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 Manuf.** 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 **January 15<sup>th</sup>, 2018**. Both short and long papers will be considered and reviewed. For short papers, please submit an abstract of 300-500 words (a camera-ready manuscript is limited to 2 or 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://w3a.kanazawa-it.ac.jp/ISFA2018/>.

### Session Organizers

**Aoyama, Hideki**, Keio University  
**Inui, Masatomo**, Ibaraki University  
**Morishige, Koichi**, The University of Electro-Communications  
**Nakamoto, Keiichi**, Tokyo University of Agriculture and Technology  
**Nishida, Isamu**, Kobe University  
**Oya, Tetsuo**, Keio University  
**Takasugi, Keigo**, Kanazawa University  
**Tanaka, Fumiki**, Hokkaido University  
**Teramoto, Koji**, Muroran Institute of Technology  
**Chen, Yong**, University of Southern California  
**Pan, Yayue**, University of Illinois at Chicago  
**Zhou, Chi**, University at Buffalo

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