

## Call for Papers

a Session on

# Cutting and Machine Tools

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

Cutting, though being studied for centuries, is still evolving with the new functional requirement and technological advancement in advanced materials, precision machine tools, etc. The new challenges to high performance cutting is not only restricted to the traditional attributes such as dimensional accuracy, but also including much broader aspects such as functional competency, new-material processing capabilities, energy consumption. These challenges are being addressed through constant development of new concepts and deeper understandings of the cutting process and advances in the precision machine tool designs. We cordially invite you to submit a paper to share your knowledge and expertise in all areas related to **Cutting and Machine Tools**. Papers from the industrial sector are particularly encouraged. The session welcomes both theoretical and applied papers in areas including, but not limited to:

- Simulation and theoretical studies of the cutting process
- Non-traditional cutting processes (vibration-assisted, laser-assisted, etc.)
- Automation and control of the cutting process
- Precision machine tools and components
- High performance cutting
- Micro-scale cutting

### 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

**Sasahara, Hiroyuki** Tokyo University of Agriculture and Technology

**Enomoto, Toshiyuki**, Osaka University

**Kato, Hideharu**, Kanazawa Institute of Technology

**Matsubara, Atsushi**, Kyoto University

**Matsumura, Takashi**, Tokyo Denki University

**Sugita, Naohiko**, The University of Tokyo

**Suzuki, Norikazu**, Nagoya University

**Budak, Erhan**, Sabanci University

**Chou, Kevin**, University of Alabama

**Guo, Ping**, Chinese University of Hong Kong

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