



Kanazawa Castle



Kenrokuen



Higashi Chaya  
Teahouse District

## Call for Papers

**2018 International Symposium on Flexible Automation (ISFA2018)**  
**Conference Center of the Kanazawa Chamber of Commerce and Industry**

**July 15-19, 2018**, Kanazawa, Ishikawa, Japan

*The official website:* <http://w3a.kanazawa-it.ac.jp/ISFA2018/>

The International Symposium on Flexible Automation (ISFA) was initiated in 1986 under co-sponsorship of the American Society of Mechanical Engineers (ASME) and the Institute of Systems, Control and Information Engineers (ISCIE) in Japan. Since then, the Symposium has been held biennially. The title "Flexible Automation" is selected as a general term to describe automation technologies that are essential to meet the increasing requirements of modern manufacturing and other related fields, such as dynamical systems, robotics, logistics, biomedical systems, and health care systems. While many of these requirements such as flexibility, artificial intelligence, mechatronics, 3D design and modeling, lead time reduction, and lean manufacturing have been identified over more than past three decades, they still pose challenges and continue to motivate research in the field. In addition, newly emerged ideas and technologies, such as unmanned vehicle control, Internet of Things (IoT), direct human-robot collaboration, cloud computing and manufacturing, additive manufacturing, image processing and pattern recognition, cyber-physical systems, security, environmental sustainability, and big data analysis present both new challenges and opportunities that broaden the scope of research and give impact on the continued advancement of flexible automation.



Conference Center of the Kanazawa  
Chamber of Commerce and Industry

The theme of the ISFA 2018 conference is "**Flexible Automation: Smart and Connected**" and aims to inspire research on energy-efficient and intelligent automation, enhanced by the cloud infrastructure.

Original papers on all topics related to flexible automation, especially the aforementioned theme, are encouraged for submission to the Symposium. Submission of both long and short papers will be welcome. A long paper is from 6 to 8 proceedings pages, and a short paper is 4-page long. Only long papers are eligible for consideration of Best Paper awards. The timeline for paper submission is as follows:

- Submission of manuscript for review: **December 15, 2017**, via the conference website.
- Submission of final, revised manuscript: **April 27, 2018**.
- Submission of copyright transfer form and registration of the presenting author: **May 25, 2018**
- Early registration (Regular fee: 50,000JPY, Student fee: 30,000JPY): **May 25, 2018**

The conference venue will be Conference Center of the Kanazawa Chamber of Commerce and Industry, which is located within a mile of Kanazawa station, Kanazawa Castle Park, Kenrokuen; one of the three most beautiful gardens in Japan, and 21st Century Museum of Contemporary Art, Kanazawa, which received Golden Lion in the Architecture section of La Biennale di Venezia.



21st Century Museum of  
Contemporary Art,

We look forward to welcoming you at this exciting event in **July 2018!**

Professor Eiji Arai, Organizing Committee Chair  
Osaka University, Japan

Professor Keiichi Shirase, Program Committee  
Chair, Kobe University, Japan

Professor Tohru Watanabe, Advisory Committee  
Chair, Ritsumeikan University, Japan

Professor Yoshitaka Morimoto, Executive Committee  
Chair, Kanazawa Institute of Technology, Japan

Professor Jian Cao, Organizing Committee Co-Chair  
Northwestern University, USA

Professor Jiong Tang, Program Committee Co-Chair  
University of Connecticut, USA

Professor Masayoshi Tomizuka, Advisory Committee  
Co-Chair, University of California at Berkeley, USA