

2014 International Symposium on Flexible Automation

ISCIE
ASME



**ISFA
2014**



**14-16 July
2014**

**Awaji-Island
Hyogo, Japan**





2014 International Symposium on Flexible Automation

July 14 -16, 2014 in Awaji, Japan
Awaji Yumebutai International Conference Center

<http://www-dsc.mech.eng.osaka-u.ac.jp/ISFA2014/>



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Sponsored by the Institute of Systems, Control and Information Engineers (ISCIE), the American Society of Mechanical Engineers (ASME) Technically Co-Sponsored by the Japan Society of Mechanical Engineers (JSME), the Japan Society for Precision Engineering (JSPE), the Robotics Society of Japan (RSJ), the Society of Instrument and Control Engineers (SICE)

1st Call for Paper

The symposium, sponsored by ASME and ISCIE, was initiated in 1986 and the title "Flexible Automation" was selected as a general term referring to automation technologies essential to meet the increasing requirements of modern manufacturing. While many of these requirements were identified over more than two decades ago, such as flexibility, intelligence, lead-time reduction, and lean manufacturing, they still pose major challenges. In addition, requirements have broadened the research agenda in flexible automation. ISFA 2014 conference in Awaji will focus on "Green Innovation in Flexible Automation, " and try to inspire sustainable flexible automation under renewable energy environment. The topics covered by ISFA 2014 include, but not limited to, the following:

- Robotics
- Mechatronics
- Modeling and Control of Dynamical Systems
- Sensors and actuators
- Networked Control Systems
- Logistics and Supply Chain Management
- Intelligent Transportation Systems
- Vehicle System Controls and Manufacture
- Cyber-Enabled Manufacturing
- Fluid Power Systems Design and Control
- Virtual and Augmented Reality
- Hybrid Manufacturing
- Sustainable Green Engineering
- Design and Control of Electrified Vehicles
- Manufacturing Systems
- Production Planning and Scheduling
- CAD/CAM
- Machine Tools and Cutting
- Precision Machinery Engineering
- Micro/Nano Technologies
- Machine and Robot Control
- Bio-manufacturing
- Additive Manufacturing
- Simulation/CAE

Program Committee is planning a wide range of organized sessions. Please refer the symposium webpage (<http://www-dsc.mech.eng.osaka-u.ac.jp/ISFA2014/>) for details.

Location

Awaji Yumebutai International Conference Center, Awaji-Island

- the place is a resort and conference center surrounded by a rich natural environment. In cooperation with the adjoining The Westin Awaji Island, we offer a wide variety of options for your activities and parties that you cannot experience anywhere else but in Awaji. The location is easily accessible from Kobe and Osaka Public Bus services from the Kansai International Airport also offer an easy access to the conference center.

Paper Submission

All papers should be written in English. Both long and short papers will be considered. A long paper is from 6 to 8 proceedings pages and a short paper is no more than 4 pages (about 1000 words per page). The detailed submission policy is found in the conference web page.

Important Dates

July 31, 2013	Proposal of Organized Sessions
November 29, 2013	Paper Submission Deadline
March 1, 2014	Notification of Paper Acceptance
April 4, 2014	Submission of Final Camera-ready Papers