

The logo for the Institute of Systems, Control and Information Engineers (ISCIE), featuring the letters 'I', 'S', 'C', 'I', 'E' in a stylized, white, sans-serif font against a dark blue background.The logo for the American Society of Mechanical Engineers (ASME), featuring the letters 'A', 'S', 'M', 'E' in a white, serif font with a globe icon integrated into the 'S', set against a dark blue background with a glowing blue wave pattern.

2024 International Symposium on Flexible Automation (ISFA)

July 21–24, 2024
Seattle, Washington, USA

Venue: University of Washington, Seattle, Washington, USA

The ISFA conference, a biennial summit on manufacturing automation and related technologies, 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. It provides a focused and intimate setting for dissemination and discussion of advanced manufacturing technologies and other related fields such as dynamical systems and control, logistics and informatics, and design and optimization. It features synergistic blend of topics encompassing various aspects of manufacturing such as sensing and control, mechatronics, material design and synthesis, process modeling, lean manufacturing, diagnosis and prognosis, and emerging concepts including artificial intelligence, Internet-of-Things (IoT), cloud computing, and environmental sustainability, etc.

Technical Tracks:

- Additive manufacturing sensing and control
- Cutting and machine tools
- Digital design and manufacturing
- Flexible automation in manufacturing systems
- Robotics in manufacturing & inspection
- Sensing and information extraction
- Smart and sustainable manufacturing
- Manufacturing simulation and digital twin
- Emerging products & processes

Advisory Committee Chairs

Masayoshi Tomizuka
UC Berkeley

Toshiya Kaihara
Kobe University

Organizing Committee Chairs

Jiong Tang
University of Connecticut

Soichi Ibaraki
Hiroshima University

Program Committee Chairs

Xu Chen
University of Washington

Haruhiko Suwa
Setsunan University

Full paper submission:
Feb 12, 2024

