



ISPS 2023

Conference on Information Storage
and Processing Systems

August 28-30, 2023

San Jose, CA

CALL FOR PAPERS

The 31st ASME Annual Conference on Information Storage and Processing Systems (ISPS2023) is now soliciting technical presentations for the conference to be held in-person, from **Aug. 28 to Aug. 30, 2023**.

The scope of the conference covers the following interdisciplinary research and application topics related to information storage and processing systems, and the application of data in mechanical engineering

Tribology, Dynamics and Servo control of Nano-Micro systems: Head-Media interface Tribology, magnetic head technology, servo and other topics magnetic recording, and mechanical science and technology in the micro/nano scale system

Fundamentals of Energy Assisted Magnetic Recording: Materials, physics, mechanical design and simulations for HAMR/MAMR

Dynamics and Control for Future Technologies: Dynamics and control for highlighted engineering fields including robot, unmanned aerial vehicle, unmanned ground vehicle, and next-generation transportation

Micro/Nano Systems for Human-Machine Interactions: Science and technologies on micro/nano mechatronic systems and MOEMS and mechatronic systems for human-machine interface application

Smart Materials: Materials science and engineering for information storages, displays, energy-recycle, and nano/micro devices, materials characteristic control and smart material applied system

Smart Sensors and Actuators: Various sensors and actuators for promising engineering fields such as haptics, IOT application, biological application, motion based detection & actuation, and autonomous vehicle solutions

Optical Imaging Devices and Opto-mechatronic Systems: Optical imaging systems and sensing devices detecting optical information, and opto-mechatronic systems based on imaging and sensing devices

Flexible Media Handling Machines and Printed electronics, Exposing and Printing Technologies: Copy machines, printers, scanners, office automation equipment, flexible media dynamics and control

Advanced Simulation in Science and Engineering: Advanced computational simulations in engineering fields of mechanics, electro-mechanics, and electronics and simulation methods and optimization methods

Application of Data and Artificial Intelligence in Mechanical Engineering: Using big data and AI for solving problems in the mechanical domain: such as product failure analysis, smart manufacturing, etc.

For more information: event.asme.org/ISPS

For technical publication submissions, authors should submit a short abstract by **February 13, 2023**, on the **ISPS website**.

Conference Venue

ISPS will be conducted in person in San Jose, CA.



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Conference Features

ISPS 2023 offers the following features:

- One Best Paper Award for each technical track.
- One Best Student Paper Award.
- ISPS Student Conference Scholarships for graduate students in the form of a registration fee waiver and in the previous year, over ten such conference scholarships were awarded. All students applying to this scholarship should submit a 3-page paper for technical publication in the conference proceeding.
- Discounted registration fees for ASME members and students.
- Special issue in the *Microsystem Technologies*, a journal SCI indexed, for peer-reviewed full length papers presented at the conference.
- Conference supported by ASME centralized web hosting and paper submission handling process.
- GoGreen initiative to use online access of conference materials.

Scholarship Award Application

Support materials: ISPS final paper, resume, one reference letter and one page research statement. Please send your application materials to Dr. Matthew Carper.

Deadline: May 01, 2023.

Important Dates

ABSTRACT SUBMISSION DEADLINE

February 13, 2023

Notification of Abstract Acceptance

February 20, 2023

Submission of 3-page Paper for Review

March 6, 2023

3-page Paper Review Complete/Notification of Paper Acceptance

April 17, 2023

Electronic Copyright Form Submission Deadline

June 9, 2023

Final Paper Submission

June 12, 2023

ISPS Conference Chair:

Dr. Yuan Ma
The Hong Kong Polytechnic University, Hong Kong, PRC

ISPS Program Chair:

Dr. Siddhesh Sakhalkar
Western Digital Technologies, USA

ISPS Conference Co-Chair:

Dr. Tan Trinh
Western Digital Technologies, USA

ISPS Program Co-Chair:

Dr. Alejandro Rodriguez Mendez
Western Digital Technologies, USA