

The 12th JFPS International Symposium on Fluid Power HIROSHIMA 2024

2024
October
22-25
Tue. Fri.

URL <http://www.jfps.jp/net/12thjfps/>

On behalf of the Japan Fluid Power System Society (JFPS), we are pleased to announce the 12th JFPS International Symposium on Fluid Power, Hiroshima 2024.

The first symposium was held at Tokyo Institute of Technology in 1989. Since then, every three years, the JFPS International Symposium on Fluid Power has been held. The last one was managed to be held in 2021 during the pandemic, thanks for the great cooperation of the participants.

The next symposium will be held in Hiroshima-city during October 22 to 25, 2024. The symposium will be addressing recent developments in fluid power technologies including oil-hydraulics, pneumatics, water hydraulics and functional fluids, and will include presentations on basic researches, applications and case studies. State-of-the-art exhibitions of fluid power systems and components will place special emphasis on industrial applications and their engineering backgrounds. Organized oral and poster sessions will be provided a valuable forum of exchanging ideas and opinions on current and newly developing technologies for researchers and engineers from all over the world. In this symposium, the Best Paper Awards and Young Talent Student's Paper Awards for the best papers and presentations for a high potential will be instituted for the presenters. Hiroshima is located to the west of the main island of Japan and is a modern city that has undergone a miraculous reconstruction after World War II. The conference venue is in a very convenient location, next to Peace Park and close to downtown. We look forward to seeing you in Hiroshima in 2024.

Yukio Kawakami

General Chairperson : Prof. Yukio KAWAKAMI
Shibaura Institute of Technology

Key Dates

Deadline for Abstract submission	: March 1, 2024
Notification of Abstract acceptance	: April 1, 2024
Deadline for Symposium Paper submission	: May 1, 2024
Notification of Final Symposium Paper acceptance	: July 1, 2024
Early registration on or before	: August 1, 2024

Venue

International Conference Center Hiroshima
<https://www.pcf.city.hiroshima.jp/icch/english.html>

Call for Papers

Prospective authors for technical sessions must first submit abstracts for consideration. The prescribed format for the abstract will be used for screening. All abstracts must be submitted by March 1, 2024.

The abstracts will be initially screened based on the content and merits. We also invite our colleagues who are new to these fields to participate in this symposium. The authors of the accepted abstracts will be requested to submit the symposium paper and presentation video by the deadlines. Each paper accepted by the symposium will be accessible for a limited time to registered participants. The selected papers will be recommended for publication in the JFPS International Journal of Fluid Power System (<https://www.jstage.jst.go.jp/browse/jfpsij>). If your symposium paper is selected as a recommendation paper or if you submit your paper to the JFPS Journal, the symposium paper will be excluded from the proceedings published after the symposium, and you will be requested to rewrite your paper as a journal paper according to the Instructions to Authors of the JFPS Journal.

Key Dates

Deadline for Abstract submission: March 1, 2024
 Notification of Abstract acceptance: April 1, 2024
 Deadline for Symposium Paper submission: May 1, 2024
 Notification of Final Symposium Paper acceptance: July 1, 2024
 Early registration on or before: August 1, 2024
 Deadline for Video submission: September 1, 2024
 Symposium: October 22-25, 2024

Abstract Submission

Abstracts can be submitted through the symposium website (<https://www.jfps.jp/net/12thjfps/>). Please contact the Paper Submission Office for any problems or questions regarding abstract submission. The contact address is provided on the abstract submission page.

Author Participation

The organizing committee requires at least one of the authors to attend and present their own paper at the symposium.

Event Schedule (Tentative)

Oct. 22nd	PM	Welcome reception
Oct. 23rd	AM	Opening ceremony and Invited lectures
	PM	Sessions, Exhibition
Oct. 24th	AM	Sessions, Exhibition and Invited lectures
	PM	Sessions, Exhibition, Banquet
Oct. 25th	AM	Sessions
	PM	Sessions, Closing ceremony

Social events participation are for free.

Venue

International Conference Center Hiroshima

1-5, Nakajime-cho, Naka-ku, Hiroshima JAPAN

Map URL : https://www.pcf.city.hiroshima.jp/icch/e_access.html



■ The International Conference Center Hiroshima

Registration Fee

Category	Early registration	After early registration
Presenter	¥ 100,000-	Pre-registration only
Presenter (Student)	¥ 60,000-	Pre-registration only
Co-author, Chair, Participant	¥ 100,000-	¥ 120,000-
Student	¥ 60,000-	¥ 75,000-

Topics

The organizing committee of the 12th JFPS International Symposium is soliciting participants for oral and poster presentations during sessions on the categories of fluid power systems based on oil hydraulics, pneumatics, water hydraulics, and functional fluids. The topics of interest for the symposium include, but are not limited to, the following:

- Aeronautics, space, and marine
- Application of control theory
- Aqua drive and water hydraulics
- Automobile
- Basic theory and technologies
- Cavitation and fluid mechanics
- Components and systems
- Construction, mining, and agriculture
- Energy saving and clean energy
- Environmental friendliness
- Functional fluids
- Human-machine systems
- Hydraulic fluids
- Information technology
- Injection molding and manufacturing machines
- Medical and welfare equipment
- Micro/nano machines
- Noise and vibration
- Robotics and mechatronics
- Simulation and modeling
- Tough robotics
- Transformation of fluid power
- Tribology, seals, and contamination control

The organizing committee is also planning the following organized sessions:

- Green and smart hydraulics
- Soft actuators

and the related subjects.

Awards

During the symposium, the organizing committee of the 12th JFPS International Symposium on Fluid Power will award the Best Paper, Best Student Paper, and Student Presentation for the pioneering work in the field of fluid power. The committee expects the authors to apply for the awards (the Best Student Paper and Student Presentation are only for students). If you apply for the awards or recommendations to the JFPS Journal, you must create a symposium paper of 6-12 pages and submit the presentation video by the deadline.

Call for Commercial Exhibitions

During the symposium, the room for commercial exhibitions will be open. Manufacturers and dealers are welcome to present their own products in current and new technology in fluid power systems or components, simulation software, and advanced measurement instruments. The fee for 1 booth is ¥ 100,000.

If you are interested in exhibiting, please contact the secretariat for details.

Secretariat

The 12th JFPS International Symposium, Hiroshima 2024

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