



The 11th JFPS International Symposium on Fluid Power
HAKODATE 2020

Tough, Smart, and Flexible Fluid Power

Oct. 13 (Tue.) – 16 (Fri.), 2020



HAKODATE

On behalf of the Japan Fluid Power System Society (JFPS), we are pleased to announce the 11th JFPS International Symposium on Fluid Power, Hakodate 2020. 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 next symposium will be held in Hakodate-city, Hokkaido during October 13 to 16, 2020. 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 provide 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 the Best Student Paper Award for the best papers and presentations for a high potential will be instituted for the presenters. Hakodate, the venue of the symposium, is Hokkaido's third largest city and a traditional harbor city. Hakodate has experienced notable influence from overseas. Hakodate is best known for the spectacular views to be enjoyed from Mount Hakodate and delicious, fresh seafood. We look forward to seeing you in Hakodate in 2020.

General Chairperson : **Prof. Yutaka TANAKA**
Hosei University



Call for Papers

Prospective authors for technical sessions should first submit an abstract for consideration. The prescribed format for the abstract will be shown in the 11th JFPS International Symposium website. All abstracts must be submitted by 15 January 2020.

Initial screening of papers will be carried out based on the content and merit of abstracts. We would also like to invite our colleagues new to these fields to participate in this symposium as well. Each paper accepted by the symposium will be stored in a digital archive. The selected papers will be recommended for publications in the JFPS International Journal of Fluid Power System (<https://www.jstage.jst.go.jp/browse/jfpsij>).

Key Dates

Deadline of abstract submission : January 15, 2020
 Notification of abstract acceptance : March 31, 2020
 Deadline of paper submission : June 1, 2020
 Notification of paper acceptance : July 31, 2020
 Early registration on or before : August 31, 2020

Abstract Submission

Abstract submission will be possible through the symposium web site (<http://www.jfps.jp/net/11thjfps/>). For any problems or questions regarding abstract submission, please contact Paper Submission Office. Its contact address is shown in 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. 13th	PM	Registration and Welcome party
Oct. 14th	AM	Opening ceremony and Invited lectures
	PM	Sessions, Exhibition
Oct. 15th	AM	Sessions, Exhibition and Invited lectures
	PM	Sessions, Exhibition, Banquet
Oct. 16th	AM	Sessions
	PM	Sessions, Closing ceremony

Social events participation are for free.

Venue**Hakodate Arina,**

1-32-2 Yukawachou, Hakodate City
 Map URL : <https://goo.gl/maps/bKPvtVxm9912>



■ Hakodate Arina

Registration Fee

Category	Early registration	After early registration
Presenter	¥ 80,000-	Pre-registration only
Presenter (Student)	¥ 50,000-	Pre-registration only
Co-author, Chair, Participant	¥ 80,000-	¥ 100,000-
Student	¥ 50,000-	¥ 65,000-

Topics

The organizing committee of the 11th JFPS International Symposium is soliciting participants for oral and poster presentations in sessions on topics of fluid power system based on Oil hydraulics, Pneumatics, Water hydraulics, and Functional Fluids. Topics of interest for the symposium include, but are not limited to;

- Energy saving
- Medical and welfare equipment
- Robotics and mechatronics
- Tribology, seals, and contamination control
- Basic theory and technologies
- Components and systems
- Application of control theory
- Human-machine system
- Information technology
- Micro/nano machines
- Noise and vibration
- Construction, mining, and agriculture
- Injection molding and manufacturing machine
- Aeronautics, space, and marine

The organizing committee is also planning the following organized sessions;

- Tough robotics
 - Soft actuator
 - Functional fluid
 - Automobile
 - Aqua drive
 - Simulation and modeling
- and so on.

Awards

During the symposium, the organizing committee of the 11th JFPS International Symposium on Fluid Power will give awards for Best Paper and Best Student Paper for their pioneering work in the fields of Fluid Power. The committee hopes the authors will apply for the awards.

Exhibition

At the state-of-the-art exhibition, manufacturers and dealers will present their own products in current and new technology in fluid power system or component, simulation software, and advanced measuring equipment.

Secretariat

The 11th JFPS International Symposium, Hakodate 2020
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