ISMB15

The Fifteenth International Symposium on Magnetic Bearings

August 3-6, 2016, Kitakyushu, Japan

URL: **http://www.ismb15.org/** E-mail: **ismb15@ismb15.org**

The Japan Society of Mechanical Engineers
Division of Dynamics, Measurements and Control

The fifteenth international symposium, ISMB15, will take place at Mojiko Hotel in Kitakyushu from **August 3 to 6, 2016**. The primary aims of ISMB15 are to promote scientific and technological exchange between Asia and other parts of the world, and to enhance the understanding and the dissemination of magnetic bearing technology worldwide.

The ISMB is the major opportunity to meet academic and industrial researchers from all over the world. Find out more on the history of ISMB and the past symposia at the web portal URL: **http://www.magneticbearings.org/**

■Symposium and Session Topics

The main topics of the symposium are as follows;

Active magnetic bearings (AMB)
Passive magnetic bearings (PMB)
Electrodynamic bearings (EDB)
Superconducting magnetic bearings (SMB)
Hybrid bearing systems
Self-bearing (bearingless) motors
Smart bearings
Sensors, actuators, power electronics for magnetic bearings
Self-sensing (sensorless) techniques
Modeling, simulation, design and identification
Advanced control
Rotor dynamics
Safety and reliability aspects
Fault detection, diagnosis and tolerance
Back up / Touch down bearings
Components and materials
Industrial, medical and aerospace applications
Superconducting and high Tc superconducting magnetic applications
Blood pumps, vacuum pumps and canned pumps
Flywheels
Low loss and low power consumption magnetic bearings
Ultra high speed bearings
Micro bearings
Electromagnetic suspensions (EMS)
Electrodynamic suspensions (EDS)
Diamagnetic levitation
Electrostatic levitation
Other related new fields

■Exhibition

The symposium will be accompanied by an exhibition. Magnetic bearing manufactures as well as research laboratories are encouraged to present their magnetic bearing systems, products and components to the assembled international community. Registration and information about space and utility requirements should be submitted before **April 1, 2016**.

■Call for Papers

1 or 2-page abstracts will be accepted through the website (**http://www.ismb15.org/**). The abstract must be converted to PDF file and submitted on or before **December 25, 2015**.

At least the Japan Society of Mechanical Engineers (JSME) plans to publish a special issue in the Mechanical Engineering Journal. Papers selected from those presented at the conference will be recommended for publication to this special issue.

■Important Dates & Conference Schedule

December 25, 2015	Submission of abstracts
March 11, 2016	Notification of acceptance
May 13, 2016	Submission of full papers
June 3, 2016	Early registration deadline
August 3, 2016	Welcome reception
August 5, 2016	Banquet
August 6, 2016	Farewell party & Summer festival

■Conference Fees

Tentative fees are shown below.

Early bird registration:

Regular	65,000Yen
Student	40,000Yen (except Banquet)

Late registration fee (After June 3, 2016):

Regular	75,000Yen
Student	45,000Yen (except Banquet)

■Venue

The ISMB15 will be held at Mojiko Hotel in Kitakyushu (city), Fukuoka (prefecture), Japan. The hotel is located in the best area, Mojiko Retro District, where you can see a beautiful night view. It is easy to access commercial areas (Kokura, Shimonoseki) and interesting tourist attractions. It takes about 2 minutes on foot from Mojiko Station to the hotel.

The summer festival "Wasshoi Hyakuman" (**www.wasshoi.info**) will be held on August 6 and 7, 2016 in Kitakyushu. In the festival, various Japanese traditional events such as fireworks, parade of floats, and so on will be held.

Mojiko Hotel
URL: **http://www.mojiko-hotel.com**

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Conference Web Site

Detailed information about ISMB15 is found at
URL: **http://www.ismb15.org/**

Correspondence

All inquiries and proposals concerning the symposium should be addressed to
E-mail: **ismb15@ismb15.org**