

Call for Papers

26th International Conference on Adaptive Structures and Technologies (ICAST2015)

13-16 October 2015 in Kobe, Japan

<http://www.icast2015.com/>

SCOPE

The ICAST 2015 is the 26th event in a series of successful international conferences which have followed the field of intelligent materials and adaptive structures and systems, from its emergence to its current rapid maturity. The ICAST 2015 aims at promoting research, development and use of adaptive structures and technologies through the exchange of scientific results and insight from leading international scholars and specialists from the Americas, Europe and Asia. The conference provides a forum for discussion of recent advances in the highly multidisciplinary field of smart materials and structures, and encourages the transfer of advanced scientific results from research to application. The ICAST is a single session conference with limited attendance.

CONFERENCE TOPICS

Materials:

- Active or field dependent materials
- Shape memory alloys
- Ferroelectrics & piezoelectrics
- Electroactive polymers
- Electrostrictive and magnetostrictive materials
- Electrorheological and magnetorheological fluids
- Multifunctional materials
- Smart composites
- Smart textiles

Structural Systems and Solutions:

- Adaptive or smart structural systems
- Active vibration control and reduction
- Active/semi active/hybrid damping
- Active noise control
- Sensors and actuators
- Shape and position control
- Variable geometry structures
- Nano/micro structures/systems

Tools and Methodologies:

- Coupled-field mechanics
- Modeling and simulation
- Numerical methods
- Structural integration of sensors and actuators
- Control methodologies
- Integrated system design
- Bioinspiration and biomimetics
- Embodying intelligence

Applications:

- Aerospace, military, automotive and transportation
- Renewable energy and sustainable buildings
- Energy conversion
- Energy harvesting
- Compact hybrid actuation
- Morphing structures
- Structural health Monitoring
- Mechatronics and Robotics
- Measurement and manufacturing systems
- Medicine and bioengineering

Important Dates

May 15	2015	Abstract Submission Deadline (300 words)
June 15	2015	Notification of Acceptance
Aug. 15	2015	End of Early Registration
Sept. 10	2015	Final Conference Program
Oct. 12	2015	Final Paper Submission
Oct. 13	2015	Welcome Reception

Submission of Abstract

The abstract should contain at least 300 words and clearly indicate the topic and innovation of the proposed paper.

The abstract should be sent to:

info@icast2015.com

in PDF format before May 15, 2015.



CONTACT

LOCAL ORGANIZING COMMITTEE

Chair: Kazuyuki Hanahara
(Kobe university)

Secretary: Hiroaki Tanaka
(National defense academy)

Tel. +81-78-803-6249

Fax. +81-78-803-6391

email: info@icast2015.com

<http://www.icast2015.com>

REGISTRATION

Please register online at

<http://www.icast2015.com>

Register by Aug. 15, 2015 and save
¥10,000. (¥5,000 for student)

Conference Fee (tentative)

Early registration ¥50,000

Early registration student ¥25,000

Regular ¥60,000

Student ¥30,000

Includes: CD-ROM proceedings,
reception, daily lunches, banquet,
coffee breaks.

PAPER SUBMISSION

Papers should be submitted using the
following instructions:

The maximum full paper length is 12 pages.

Full papers should be submitted before
October 12, 2015.

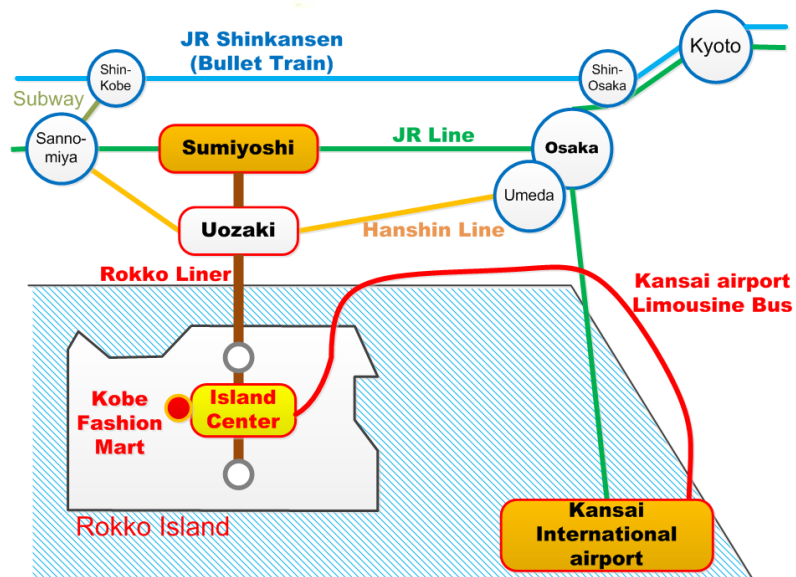
The use of the provided templates is
compulsory. Only PDF formats are accepted.

CONFERENCE VENUE

The conference will be held at the Kobe
Fashion Mart at Kobe, Japan.

Address: 6-9 Koyochi-naka,
Higashinada, Kobe,
658-0032, Japan

Phone: +81-78-857-8001



SUPPORTING ORGANIZATIONS

Kobe University

The Japan Society of Mechanical
Engineers

The Japan Society for Aeronautical
and Space Sciences



Port Tower, Kobe