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- Robotics Society of Japan
- The Japan Society of Mechanical Engineers
- Electromechanical Engineering Society of China
- Chinese Institute of Electronics
- IEEE Hong Kong Section
- Korea Advanced Institute of Science and Technology (KAIST)
- The University of Electro-Communications, Japan
- Xidian University
- City Univ. of Hong Kong
- The Univ. of Hong Kong

First Call for Papers Third Asia International Symposium on Mechatronics

AIISM2008

28-30 August 2008, Sapporo, Japan
Hokkaido University
<http://www.ssc-lab.com/AISM2008/>



Main Theme: Mechatronics is an ever-widening field involving actuators/sensors, electronics/mechanics, controls, system design/integration, and beyond. The aim of the symposium is to promote the research, development and application in this field. Following the success of the first and the second AISM, this symposium will bring together researchers and engineers in this multidisciplinary field to stimulate new ideas, to share knowledge in practical problems and solutions, as well as to facilitate cooperation for the future. The main theme of AISM2008 is "Reclaim the Earth and the Human Society." The scope of the symposium includes, but is not limited to, the following:

A. Measurement and Control in Mechatronic Systems

A1. Sensing and measurement in mechatronic systems / A2. Actuators and control in mechatronic systems / A3. Vibration and noise assessment or control / A4. Opto-mechatronic systems / A5. Info-mechatronics / A6. Non-destructive diagnosis and inspection

B. Mechatronics in Manufacturing and Automation

B1. Mechatronics in industrial automation / B2. Mechatronics in manufacturing processes / B3. Mechatronics in service automation / B4. Vision-based mechatronic systems / B5. Robotics and motion control / B6. Assistive and humanoid robots

C. Modeling and Design of Mechatronic Systems

C1. Modeling, simulation and analysis of mechatronic systems / C2. Design, optimization and integration of mechatronic devices/systems / C3. Fuzzy systems and neural networks in mechatronics / C4. Intelligence and learning in mechatronic systems and man-machine interface / C5. Novel techniques and materials in mechatronics

D. Micro-Mechatronics

D1. Micro- and nano-mechatronics / D2. Micro-sensors and micro-actuators / D3. Mechatronics in MEMS / D4. Mechatronics in electronic packaging

E. Applications of Mechatronics

E1. Sea, air and space transportation / E2. Automotive and rail systems / E3. biomedical and healthcare applications / E4. Biomechanics and Biomimetics / E5. Rescue and Security / E6. Consumer appliances and home automation / E7. Large antennas and radio telescopes / E8. Mechatronics Education / E9. Other novel applications of mechatronics

Moreover, following the main theme of this symposium, special sessions focused on "Mechatronic Technologies for Agriculture, Ecology and Human Life" will be organized.

Important Dates:

January 31, 2008	Organized Session Proposal (with at least 5 papers per session)
March 31, 2008	Extended Abstract Submission
April 30, 2008	Notification of Acceptance/Reject
June 30, 2008	Final Manuscripts Submission
August 28-30, 2008	AISM2008 in Sapporo

Paper Submission: All authors should submit an Extended Abstract of 1 page as a PDF file including representing figures or tables by March 31, 2008. The Final Manuscripts will be submitted as a PDF file by June 30, 2008. The length of Final Manuscripts must be within 6 pages using our template. Before submission, please carefully confirm the submission guideline in the author information page on the AISM2008 web site. <http://www.ssc-lab.com/AISM2008/>

Awards and Special Issues: AISM2008 *Best Paper Award* and *Best Student Paper Award* will present to the author(s) and young student author(s) of the excellent papers respectively. Moreover, outstanding papers will be invited to the special issues of Journal of Robotics and Mechatronics or International Journal of Automation Technology which are published by Fuji Technology Press.

- Journal of Robotics and Mechatronics: <http://www.fujipress.jp/JRM/>
- International Journal of Automation Technology: <http://www.fujipress.jp/IJAT/>

Venue: *Hokkaido University* is one of the most historic universities in Japan. It is located in the heart of Sapporo City, 40 minutes from Shin-Chitose International Airport by JR railway, and 10 minutes walking from Sapporo Station. Premier shopping, dining, entertainment, sightseeing spots and hotels are nearby.

- Hokkaido University: <http://www.hokudai.ac.jp/>
- Sapporo Convention Bureau (Travel Information): <http://www.conventionsapporo.jp/>