



# Call for Papers

## 2012 International Conference on Advanced Mechatronic Systems

### General Chairs

Prof. Mingcong Deng (Japan)  
Prof. Shinji Wakui (Japan)  
Prof. Hong Wang (UK)  
Prof. Hongnian Yu (UK)

### Program Chairs

Prof. Ken Nagasaka (Japan)  
Prof. Mengchu Zhou (USA)  
Prof. Chun-Yi Su (Canada)

### Local Arrangement Chairs

Prof. Shiro Masuda (Japan)  
Dr. Genichi Emoto (Japan)  
Prof. P. Raksincharoensak (Japan)  
Dr. Yukinori Nakamura (Japan)  
Dr. Shengjun Wen (Japan)

### Special Session Chairs

Prof. Ikuro Mizumoto (Japan)  
Prof. Mitsuo Hirata (Japan)  
Prof. Chenzhong Li (USA)  
Prof. Shuanghua Yang (UK)  
Prof. Farshid Forouzabakhsh (Iran)  
Prof. Noel Estoperez (Philippines)  
Prof. Guisheng Zhai (Japan)  
Prof. B. Bandyopadhyay (India)  
Dr. Changan Jiang (Japan)  
Prof. Yan Shi (Japan)  
Dr. Kazuma Hanada (Japan)  
Prof. Zulati Litipu (China)  
Prof. Yang Shi (Canada)  
Prof. Zhongxiao Yang (China)

### Publication Chairs

Prof. Xinkai Chen (Japan)  
Prof. Hansheng Wu (Japan)  
Dr. Kelvin Chu (USA)  
Dr. Aymen Chaouachi (Japan)

### Publicity Chairs

Prof. Seiji Hashimoto (Japan)  
Prof. Yonghong Tan (China)  
Dr. Mostafa Al Mamun (Japan)  
Dr. Yicheng Zhou (Japan)  
Dr. Rashad M. Kamel (Egypt)

### Exhibition Chair

Prof. Toru Yamamoto (Japan)  
Prof. Shuoyu Wang (Japan)

### Registration Chair

Prof. Zijiang Yang (Japan)  
Prof. Jinglong Wu (Japan)  
Mr. Aihui Wang (Japan)

### Students Activity Chairs

Prof. Yegui Xiao (Japan)  
Prof. Akio Gofuku (Japan)

### Advisory Chairs

Prof. Tianyou Chai (China)  
Prof. Akira Inoue (Japan)  
Prof. Tsu-Tian Lee (Taiwan)  
Prof. Quanmin Zhu (UK)

Tokyo University of Agriculture and Technology, Tokyo, Japan, September 18-22, 2012

The 2012 International Conference on Advanced Mechatronic Systems (ICAMEchS 2012) is sponsored by International Journal of Advanced Mechatronic Systems (IJAMEchS), Tokyo University of Agriculture and Technology, IEEE Systems, Man, and Cybernetics Society, International Journal of Modelling, Identification and Control, The Institute of Complex Medical Engineering, and cooperation with The Japan Society of Mechanical Engineers, The Society of Instrument and Control Engineers, and The Institute of Systems, Control and Information Engineers. It provides an international forum for professionals, academics, and researchers to present latest developments from interdisciplinary theoretical studies, computational algorithm development and applications of mechatronic systems. It particularly welcomes those emerging methodologies and techniques which bridge theoretical studies and applications in all mechatronic systems. Novel quantitative engineering and science studies may be considered as well. The ICAMEchS 2012 will be held in Tokyo University of Agriculture and Technology, Tokyo, Japan. Papers are solicited on all aspects of research and application, including but not limited to:

- Mechatronics design philosophy
- Power system (Renewable Energy, Smart Grid, Micro Grid, Energy Saving)
- Mechatronic system modelling, identification and control
- Energy and environment
- Instrumentation and manufacturing methods
- Control and optimization techniques
- Neural networks, fuzzy logic, and other heuristic techniques
- Robotics
- Networked mechatronic systems
- Applications of machine vision, image processing, pattern recognition and synthesis
- Design ideas on computer integration
- Mechatronic systems fault diagnosis and fault tolerance
- Biomechatronics
- Grey systems
- Discrete event and hybrid systems
- Petri nets

### Submissions & Publication

Papers should describe original and unpublished work about the above or related topics. All manuscripts will be reviewed by three members of the ICAMEchS program committee. Instructions for preparation and electronic submission will be available shortly on ICAMEchS2012 website.

Some selected papers will be published as a number of special issues in

IJAMEchS (<http://www.inderscience.com/ijamechs>)

IJMIC (<http://www.inderscience.com/ijmic>)

IJICIC (<http://www.ijicic.org/>)

### Important Deadlines

Deadline for submission: April 10, 2012  
Notification of acceptance: June 10, 2012  
Submission of camera-ready copy: June 30, 2012

### Contact Address

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