



Call for Papers

International Conference on Advanced Mechatronic Systems

Zhengzhou, China, August 11-13, 2011

General Chairs

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Prof. Dongyun Wang (China)
Prof. Hong Wang (UK)

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Prof. Shane Xie (New Zealand)
Prof. Yan Shi (Japan)
Prof. Tielong Shen (Japan)
Prof. Oluwafemi Taiwo (Nigeria)
Prof. Wen Yu (Mexico)
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Prof. Yang Shi (Canada)
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Prof. David H. Owens (UK)
Prof. Quanmin Zhu (UK)

The 2011 International Conference on Advanced Mechatronic Systems (ICAMechS 2011) is sponsored by International Journal of Advanced Mechatronic Systems (IJAMechS), Zhongyuan University of Technology, Tokyo University of Agriculture and Technology, IEEE Systems, Man, and Cybernetics Society, International Journal of Modelling, Identification and Control, and Ryukou General Service Corporation. 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 2011 will be held in Zhongyuan University of Technology, Zhengzhou, China. Papers are solicited on all aspects of research and application, including but not limited to:

- ☐ Mechatronics design philosophy
- ☐ Design of machines, devices and systems possessing a degree of computer based intelligence
- ☐ Mechatronic system modelling, identification and control
- ☐ 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
- ☐ 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Papers should describe original and unpublished work about the above or related topics.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 ICAMechS2011 website.

All accepted conference papers will be included in the IEEE Xplore, and then can be indexed by EI Compendex. 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, 2011

Notification of acceptance: May 10, 2011

Submission of camera-ready copy: May 30, 2011

Contact Address

ICAMechS Conference Secretariat
Department of Electrical and Electronic Engineering
Tokyo University of Agriculture and Technology
Tel/Fax: +81-42-3887134 E-mail: icamechs2011@gmail.com
Website: <http://www.tuat.ac.jp/~deng/icamechs2011/icamechs2011.html>