

IIMA is proud to co-sponsor the ICMS2012 International Conference in Hangzhou, China

The **2012 International Conference on Mechatronics and Automatic Control Systems** will be held in **Hangzhou, China** from **Oct13-14, 2012**.

The objective of **ICMS2012** is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of mechatronics and automatic control systems to disseminate their latest research results and exchange views on the future research directions of these fields.

All papers accepted by ICMS2012 will be published, and then submitted to be indexed by EI Compendex and Scopus. Authors of best papers from the conference are welcome to submit their manuscripts to the IIMA'S *Journal of International technology and Information Management–JITIM* (ISSN: 1543-5692) and the *Communications of the IIMA-CIIMA* (ISSN: 1543-5970) for a second review, and to a few other international journals which are indexed by EI Compendex.

Topics include, but are not limited to:

Topic A Mechanic Manufacturing System and Automation

Manufacturing Process Simulation
CIMS and Manufacturing System
Mechanical and Liquid Flow Dynamic
CAD/CAM/CIM
Vibration Measuring and Reliability Analysis
Finite Element Analysis and structure optimization
Fault Diagnosis and Maintenance Theory
Intelligent Mechatronics and Robotics
Elements, Structures, Mechanisms, and Applications of Micro and Nano Systems
Complex mechanical-electro-liquid System
PDM, ERP, logistics and Supply Chain
Vehicle Engineering and Safe
Others

Topic B Signal Processing

Signal Processing Theory & Methods
Adaptive Signal Processing and Blind Signal Processing
Independent Component Analysis
Multimedia Signal Processing
Image & Video Signal Processing

Speech Processing

Array & Multi-Channel Signal Processing

Signal Processing for Communications

Time Series Analysis

Error Theory and Analysis

Topic C Control Theory And Application

AI, Intelligent Control, Neuro-Control, Fuzzy Control and Their Applications

Control System Modeling and Simulation Techniques and Methodologies

Intelligent Optimization Algorithm And Application

Electric Automation

Man-Machine Interactions And Instrumentation Systems

Industrial Automation, Process Control, Manufacturing Process

Network Control

Automotive Control Systems and Autonomous Vehicles

Transport Control Theory And Methodologies

System Engineering Theory and Practice

Topic D Sensor

Phenomena, Modeling And Evaluation

Fundamental And Technology of Sensors And Converters

Chemical Sensor、 Gas Sensors、 Biosensors、 Optical Sensors、 Mechanical Sensors、 Physical Sensors

Sensor/Actuator Systems

Wireless Sensors and Sensor Networks

Intelligent Sensor and Soft Sensor

Data Acquisition and Measurement Engineering

Virtual Instruments

Design on Measuring Electric Circuit

New Technology on Developing Sensor

Applications

TopicE Material science and Technology in Manufacturing

Artificial Material

Forming and Joining

Novel Material Fabrication

Green Manufacturing

Design and Manufacturing of Composite Components

Surface Science and Engineering

Quality Control of Manufacturing Systems

Others

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www.myicms.org

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