

# IFSM 2010

September 6-9, 2010

Singapore



## 2<sup>nd</sup> Call for Papers

The 3<sup>rd</sup> International Forum on Systems and Mechatronics  
September 6-9, 2010, River View Hotel, Singapore

Web: <http://serve.me.nus.edu.sg/neurosensors/ifsm2010>

### Foreword

In this exploring era for technology, multi-discipline interaction and international collaboration are two of the major ingredients for scientific progress and engineering development. You are cordially invited to take part in this forum. Since systems and mechatronics cover wide range of expertise, the conference has been narrowed down to seven topics, namely, Integration of Mechatronics Sensors/Devices/Systems, Intelligent Robots, Mechatronics in Manufacturing, Neuroengineering Systems, Energy Systems, Mechatronics and System Design, and Modeling and Computational Systems for Mechatronics.

### Integration of Mechatronic Sensors/Devices/Systems

- \* Transportation vehicles
- \* Systems analysis
- \* Magnetic sensors
- \* Biosensors
- \* Underwater measurements (ROV, AUV, acoustic array measurement)

### Intelligent Robots

- \* Humanoid robots
- \* Mobile robots and Manipulators
- \* Planning and Navigation
- \* Human-robot interaction
- \* Visual servo or tracking

### Mechatronics in Manufacturing

- \* Micro/Nano manufacturing
- \* Electronics manufacturing
- \* Opto-electronic manufacturing and measurement
- \* Production automation
- \* Robotics and machine vision
- \* Precision positioning

### Neuroengineering Systems

- \* Neurosensors
- \* Neuro-imaging system
- \* Neuro-stimulation system

### Energy Systems

- \* Renewable energy
- \* Energy storage and mechatronics

### Mechatronics and System Design

- \* Mechatronics design
- \* Systems design
- \* Sustainable design for mechatronics
- \* Engineering design informatics

### Modeling and Computational Systems for Mechatronics

### Important Dates

Abstracts Deadline: **June 20, 2010**  
Notification of Acceptances: **June 30, 2010**  
Final Papers Due: **July 31, 2010**

### Publications

Abstract Book, Conference Proceedings in ISBN registered CD-ROM, and selected peer-reviewed papers to be published in:

*International Journal of Computer Applications in Technology (IJCAT)*, or

*International Journal of Intelligent Systems Technologies and Applications (IJISTA)*

### IFSM2010 Secretariat

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**Abstract Submission:** A 1-page abstract of not more than 400 words, using the abstract template downloaded from the conference website, should be submitted via email in MS Word format to [IFSM2010@nus.edu.sg](mailto:IFSM2010@nus.edu.sg). Author(s) should indicate which topic area the paper is addressing. Papers that are not suitable for any of the specified topics should be labeled as "others".

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