

3rd IEEE INTERNATIONAL CONFERENCE ON ROBOTICS, AUTOMATION AND MECHATRONICS (RAM) 3-6 JUNE, 2008 Chengdu, China



[[HTTP://WWW.CIS-RAM.ORG](http://www.cis-ram.org)]

International Advisory Board

Paolo Dario, *Scuola Superiore Sant'Anna*
Li-Chen Fu, *National Taiwan Uni.*
Toshio Fukuda, *Nagoya Uni.*
Kok-Meng Lee, *Georgia Tech.*
Frank L. Lewis, *Uni. of Texas, Arlington*
Yunhui Liu, *Chinese Uni. HK*
Peter Luh, *Uni. of Connecticut*
Zengqi Sun, *Tsinghua Uni.*
Tzyh-Jong Tarn, *Washington Uni.*

Steering Committee

Danwei Wang, *Nanyang Tech. (Chair)*
I-Ming Chen, *Nanyang Tech.*
Shuzhi Sam Ge, *National Uni. of S'pore*
Bin Jiang, *Elect. Sci. & Tech. of China*
Yanrong Li, *Uni. Elect. Sci. & Tech. of China*
Zhiguang Qin, *Uni. Elect. Sci. & Tech. of China*

Organizing Committee

General Chairs

Guilin Yang, *S'pore Inst. of Manufacturing Tech.*
Zhang Yi, *Uni. Elect. Sci. & Tech. of China*

Program Chair

Louis Phee, *Nanyang Tech.*

Invited Sessions Chairs

Marcelo Ang, *National Uni. of S'pore*
Yunhua Li, *Beihang Uni.*

Finance Chair

Hai Lin, *National Uni. of S'pore*

Local Arrangement Chairs

Xiaorong Pu, *Uni. Elect. Sci. & Tech. of China*
Lei Zhang, *Uni. Elect. Sci. & Tech. of China*

Publication Chairs

Liang Yan, *Nanyang Tech.*
Arthur Tay, *National Uni. of S'pore*

Publicity Chairs

I-Ming Chen, *Nanyang Tech.*
Bin Jiang, *Uni. Elect. Sci. & Tech. of China*
Abdullah Al Mamun, *National Uni. of S'pore*

Awards Committee Chairs

Shuzhi Sam Ge, *National Uni. of S'pore*
Chien Chern Cheah, *Nanyang Tech.*

Exhibition Chairs

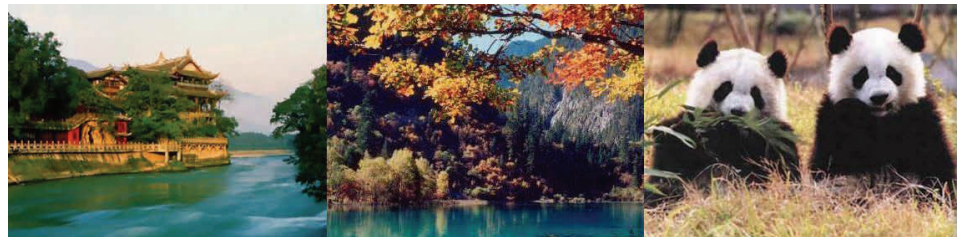
Geok Soon Hong, *National Uni. of S'pore*
Ching Seong Tan, *Multimedia Uni.*

Organized by

IEEE R&A Singapore Chapter
IEEE SMC Singapore Chapter
IEEE Singapore Section
IEEE Chengdu Section
Uni. Elect. Sci. & Tech. of China

Supported by

Centre for Intelligent Machines, *Nanyang Tech.*
Centre for Intelligent Control, *National Uni. of S'pore*
Mechatronics Group, *S'pore Inst. of Manufacturing Tech.*
Computational Intelligence Laboratory, *Uni. Elect. Sci. & Tech. of China*



OBJECTIVES: The goal of the RAM 2008 is to bring together experts from the field of robotics, automation and mechatronics to discuss on the state-of-the-art and to present new research findings and perspectives of future developments with respect to the conference themes. The RAM 2008 is held in conjunction with the IEEE International Conference on Cybernetics and Intelligent Systems (CIS 2008). The conference welcomes paper submissions from academics, researchers, engineers, and students worldwide in but not limited to the following areas:

Robotics and Automation in Unstructured Environment, Personal and Service Robotics, Underwater Robotics, Medical Robots and Systems, Robotics and Automation Applications, Sensor Design, Integration, and Fusion, Computer and Robot Vision, Human-Robot Interfaces, Haptics, Teleoperation, Telerobotics, and Network Robotics, Micro/Nano, Distributed, Cellular, and Multi Robots, Biologically-Inspired Robots and Systems, Sensor Based Robotics, Intelligent Transportation Systems, Modeling, Planning and Control, Kinematics, Mechanics, and Mechanism Design, Legged Robots, Wheeled Mobile Robots, Dynamics, Motion Control, Force/Impedance Control, Architecture and Programming, Methodologies for Robotics and Automation, Discrete Event Dynamic Systems, Petri Nets, Virtual Reality, Manufacturing System Architecture, Design, and Performance Evaluation, Computer Aided Production Planning, Scheduling, and Control, Total Quality Management, Maintenance, and Diagnostics, etc.

About Chengdu, China: Located in southwest China, Chengdu is the capital of the Sichuan province of China. It is the 5th most populous city in China. It is also an important economic center as well as transportation and communication hubs in China. The Chengdu's cuisine is considered to be the most outstanding in China. It also has lots of tea houses and bars. One of the key industries is the Traditional Chinese Medicine (TCM). It also houses major pharmaceutical R&D centers and hi-tech companies like Intel, Microsoft, Lenovo, etc. More detailed information on Chengdu can be found at the following official website: <http://www.chengdu.gov.cn/echengdu/>.

Invited Sessions: In addition to accepting regular papers, the conference will feature invited sessions on specialized topics of interests. The invited sessions are intended to usher in, in-depth discussions in special areas relevant to the conference theme. The session organizers will coordinate the associated review process. The conference proceedings will include all papers from the invited sessions.

Paper Submission: Papers must be written in English and should describe original work. Papers should be submitted in pdf format to <http://www.cis-ram.org> by **27 January 2008**. The length of the paper is limited to a maximum of 6 pages (US letter size, single spacing, Times Roman of font size 10, double columns format), including figures, tables and references. Upon acceptance, authors will be required to register and present their papers. Papers will be published in the conference proceedings only if at least one of the authors is officially registered. All the papers in the conference proceedings will be indexed in the IEEE Library, ISI Proceedings, and EI Compendex database. For further enquiries regarding paper submission, please contact the Program Chair, Prof. Louis Phee (ram08pc@ntu.edu.sg).

Important Deadlines:

Invited Session Summary Submission	: 1 January 2008
Conference/Invited Session Paper Submission	: 15 January 2008 27 January 2008
Notification of Acceptance	: 1 March 2008
Final Camera-Ready Manuscript	: 1 April 2008
Early Bird Registration Deadline	: 1 April 2008