



IEEE INTERNATIONAL CONFERENCE ON

# ROBOTICS AND BIOMIMETICS

August 22 – 25, 2004

Marriott Hotel, Shenyang, China

Organized by

Shenyang Institute of Automation, CAS  
Shenyang Hunnan New Urban Area  
Institute of Intelligent Machines, CAS  
Faculty of Engineering, Ibaraki University  
CMNS, The Chinese University of Hong Kong (CUHK)



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## Call for Papers

The 2004 IEEE International Conference on Robotics and Biomimetics will be held in Shenyang, the Provincial Capital of Liaoning, China. Liaoning was the sprawling grounds of China's last imperial government – the Manchus. Today, Liaoning is considered as the most important industrial manufacturing base of China and foreign investors have begun their aggressive investments in Shenyang, including BMW and major Taiwanese and Korean manufacturing companies. This inaugural conference on *Robotics and Biomimetics* will focus on bringing experts across the world in the areas of **robotics**, which encompasses automation, intelligent systems, micro/nano robotics, and **biomimetics**, which includes bio-mimicking systems from meter scale down to nano-scale such as cell-biomimetry, to disseminate and discuss new scientific and technical findings in these fields. The theme of the conference is “**Robotics and Biomimetics: New Frontiers in the 21st Century**”, which reflects the vision of the conference to bring forth the merging of these two very import technical areas. For general and technical program inquiries about the conference, please contact the conference General Chair, Prof. Shugen MA, and the Program Chair, Prof. Wen J. LI:

### General Chair

Shugen MA

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### Program Chair

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**Paper Submission** Authors are encouraged to on-line submit their papers in PDF format. Four to six camera-ready pages including figures are allowed for each paper. Detailed instructions for paper submission are available on the conference web site: <http://www.robio.org> or <http://www.acae.cuhk.edu.hk/~robio>

**Invited Sessions** Invited sessions consist of five related papers that are submitted through the regular review process and, if accepted, would be presented contiguously. Invited session organizers should submit a brief statement of purpose for the sessions as well as the abstracts of the papers to be included.

**Video Submissions** Video segments of between 1.5 to 3 minutes in length illustrating new and significant results are being solicited for the special video sessions. Videos must be accompanied by an extended abstract and should be submitted to the Invited Sessions Co-chairs.

**Best Student Paper Award** Prizes will be awarded for the best student papers in the areas of robotics, biomimetics, micro/nano-robotics, and cell-biomimetics. To qualify for the contest, the student must (1) be a member of the IEEE or ASME, (2) be the first author and primary developer of the idea, and (3) have done the work as part of an academic degree program. A nomination letter from the faculty advisor should be sent to the Program Chair at the time of submission.

### Important Dates

**May 15, 2004** Submission of full papers, videos, and invited sessions  
**June 15, 2004** Notification of paper acceptance  
**July 1, 2004** Final camera-ready papers due

For more information about the conference, please visit the conference website:

<http://www.robio.org> or <http://www.acae.cuhk.edu.hk/~robio>