

ICIA 2005

Advisory Council Chair:

Tzyh-Jong Tarn, Washington University, USA

Advisory Council Co-Chairs:

Tianyou Chai, Northeast University, China
Pak-Chung Ching, Chinese University of Hong Kong
Clarence de Silva, UBC, Canada
Toshio Fukuda, Nagoya University, Japan
Huixin Gong, Chinese Academy of Sciences
Shanglian Huang, Chongqing University, China
Kazuo Tanie, MEL, AIST, Japan
Masayoshi Tomizuka, UC Berkeley, USA
Liding Wang, Dalian University of Technology, China
Shoujue Wang, Chinese Academy of Sciences
Xiaoping Wu, Univ. of Science & Tech. of China
Yangsheng Xu, Chinese University of Hong Kong
Nanning Zheng, Xian Jiaotong University, China

General Chair:

Max Q.-H. Meng, Chinese University of Hong Kong

General Co-Chairs:

Paolo Dario, Scuola Superiore Sant'Anna, Italy
Makoto Kaneko, Hiroshima University, Japan
Zexiang Li, H.K. Univ. of Science and Technology
Tao Mei, Chinese Academy of Sciences
Harold Szu, George Washington University, USA

Program Chair:

Wei-Hsin Liao, Chinese University of Hong Kong

Regional Program Co-Chairs:

Yunjian Ge, Chinese Academy of Sciences
James Lam, University of Hong Kong
Yasushi Nakauchi, University of Tsukuba, Japan
Hong Zhang, University of Alberta, Canada
Jianwei Zhang, University of Hamburg, Germany

Organizing Committee Chair:

Sai-Peng Wong, Chinese University of Hong Kong

Organizing Committee Co-Chairs:

Xiren Cao, H.K. Univ. of Science and Technology
Zengfu Wang, Univ. of Science & Tech. of China

Tutorials/Workshops Co-Chairs:

Yangquan Chen, Utah State University, USA
Sam S. Ge, National University of Singapore
Shuxiang Guo, Kagawa University, Japan
Xinhan Huang, Huazhong Univ. of Science & Tech.
Yangmin Li, University of Macau, Macau

Special/Organized Sessions Co-Chairs:

Dongbing Gu, University of Essex, UK
Shugen Ma, Ibaraki University, Japan
Jun Gao, Chinese Academy of Sciences
Jun Wang, Chinese University of Hong Kong
Yiyu Yao, University of Regina, Canada

Awards Committee Co-Chairs:

Kejie Li, Beijing Institute of Technology, China
Peter X. Liu, Carleton University, Canada
Yong Yu, Kagoshima University, Japan

Publicity Co-Chairs:

Qiang Huang, Beijing Institute of Technology, China
Soo-Young Lee, KAIST, Korea
Jinghui Liu, Chinese Academy of Sciences
Ming Liu, Monash University, Australia
James Mills, University of Toronto, Canada
Yuanting Zhang, Chinese University of Hong Kong

Publications Co-Chairs:

Jason J. Gu, Dalhousie University, Canada
Zhidong Wang, Tohoku University, Japan
Zhongcheng Wu, Chinese Academy of Sciences

Finance Co-Chairs:

Gary G. Feng, City University of Hong Kong
Hongwei Liu, Chinese Academy of Sciences

Local Arrangement Co-Chairs:

Zheru Chi, Hong Kong Polytechnic University
Deyi Kong, Chinese Academy of Sciences
Dong Sun, City University of Hong Kong

Secretariat:

Dr. Minzhou Luo, CAS, E-mail: ijia@iim.ac.cn

IEEE International Conference on Information Acquisition June 27 - July 3, 2005

Chinese University of Hong Kong, Hong Kong and Macau, China



IEEE



中国科学院



Co-sponsors: IEEE Robotics and Automation Society, Institute of Intelligent Machines of the Chinese Academy of Sciences, Chinese University of Hong Kong, International Association of Information Acquisition, and the International Journal of Information Acquisition.

Call for Papers

ICIA 2005 will be held from June 27 to July 3, 2005, with the conference regular programs at the Chinese University of Hong Kong in Hong Kong and the tutorials and workshops in Macau. The theme of the conference is "Biomimetic and Biologically-inspired Information Acquisition", reflecting the growing interests in the research areas and their applications in biomimetic sensing and robotics, biologically-inspired systems, biomedical engineering, automation, environmental monitoring and protection, terrorism prevention, and others. Situated at the heart of Southeast Asia, Hong Kong is regarded the pearl of the East, the paradise of shopping, the capital of great international cuisines, and the financial center of Asia. The neighboring Macau is regarded as the Las Vegas of the East and the Monte Carlo of Asia. The IEEE ICIA 2005 promises to be a great experience for researchers and scholars in information acquisition, sensor technologies, sensor networks and related areas from all over the world, with excellent technical and social programs. The IEEE ICIA 2005 conference invites high quality original research papers in all areas related to information acquisition science and engineering, including but not limited to:

- Mechanisms and physical insights of sensing
- Sensitive and sensing materials and chemical processes
- Innovative and biomimetic sensors and sensing devices
- Multi-source information fusion and integration
- Detection and measurement apparatus and systems
- Machine sensing, algorithms and applications
- MEMS and NEMS sensors and sensing devices
- Smart sensors and structures
- Sensor information acquisition, representation, substitution, and presentation methods
- Biological and medical sensing devices and systems
- Biologically-inspired sensor design and sensor information acquisition and processing
- Biophysics, neurophysics, psychophysics, and applications
- Sensor based robotic and dynamic systems and control, and
- Other related topics.

Contributed Papers: Papers are solicited in all related areas of information acquisition science and engineering. All papers must be submitted in PDF format prepared strictly following the IEEE PDF Requirements for Creating PDF Documents for IEEE Xplore®. The standard number of pages is 6 and the maximum page limit is 8 pages with extra payment for the 2 extra pages beyond the 6 pages. Visit the website for more information.

Organized Sessions: Organized sessions provide a forum for focused discussions on new topics and innovative applications of established approaches. A proposal for an organized session of five related papers, with the session title, the organizers, and a brief statement of purpose must be submitted to one of the S/OS Co-Chairs by the deadline.

Best Paper Competition: All submitted papers are invited to participate in the IEEE ICIA 2005 Best Paper Competition. Extended versions of the winning papers will be invited for publication in the International Journal of Information Acquisition.

Tutorials & Workshops: Proposals for tutorials and workshops that address topics related to the conference theme must be submitted to a T/W Co-Chair by the deadline.

Tourist Packages: In addition to the cruise and night tours organized together with the conference banquet, optional tourist packages in Hong Kong and Macau are available.

Important Dates:

April 1, 2005 Submission of full papers & organized session papers

April 8, 2005 Submission of proposals for tutorials and workshops

May 1, 2005 Notification of all papers and T/W acceptance

May 8, 2005 Submission of final PDF papers in IEEE Xplore standards

For detailed up-to-date information, please visit the IEEE ICIA 2005 conference web site:

<http://www.ia-ia.org>