Advisory Council Honorary Chairs:

T. J. Tarn, Washington University, USA Toshio Fukuda, Nagoya University, Japan

Advisory Council Chairs:

Seigo Nagao, Kagawa University, Japan Tianyou Chai, Northeastern University, China Hegao Cai, Harbin Institute of Technology, China Kazuhiro Kosuge, Tohoku University, Japan Liding Wang, Dalian University of Technology, China A.A. Goldenberg, University of Toronto, Canada Paolo Dario, Scuola Superiore Sant'Anna, Italy Masayoshi Tomizuka, UC Berkeley, USA Mario A. Rotea, University of Massachusetts, USA Ju-Jang Lee, KAIST, Korea Ren C. Luo, National Taiwan University, Taiwan Yulin Deng, Beijing Institute of Technology, China Zhigang Liu, Harbin Engineering University, China Jinsong Wang, UESTC, China Huadong Yu, CUST, China Zhenyang Lu, Beijing Univ. of Technology, China Kexin Wei, Tianjin University of Technology, Chain Takoro Masuda, Kagawa University, Japan

General Chair:

Shuxiang Guo, Kagawa University, Japan

General Co-Chairs:

William R. Hamel, University of Tennessee, USA Hajime Asama, University of Tokyo, Japan Darwin G. Caldwell, Italian Institute of Tech., Italy James K. Mills, Univ. of Toronto, Canada Max Q. -H. Meng, Chinese University of Hong Kong Tatsuo Arai, Osaka University, Japan Jie Zhao, Harbin Institute of Technology, China Yunliang Wang, Tianjin Univ. of Technology, Chain Zhenbang Gong, Shanghai University, China Lin Zhao, Harbin Engineering University, China

Program Chair:

Makoto Kaneko, Osaka University, Japan

Program Co-Chairs:

I-Ming Chen, Nanyang Technological Univ.,Singapore Hong Zhang, University of Alberta, Canada Masao Arakawa, Kagawa University, Japan Yili Fu, Harbin Institute of Technology, China Stefan Byttner, Halmstad University, Sweden Wan Kyun Chung, POSTEC, Korea Huosheng Hu, University of Essex, U.K Shuzhi Sam Ge, National University of Singapore Qiang Huang, Beijing Institute of Technology, China Tinamiao Wang, Beihang University, China Xiangyang Zhu, Shanghai Jiaotong University, China

Organizing Committee Chairs:

Hiroshi Ishikawa, Kagawa Junior College, Japan Fumikazu Oohira, Kagawa University, Japan

Organizing Committee Co-chairs

Hideyuki Hirata, Kagawa University, Japan Aiguo Ming, U. of Electro-Communications, Japan Hui Li, UESTC, China

Chunguang Xu, Beijing Institute of Technology, China

Tutorials/Workshop Chairs:

Guangjun Liu, Ryerson University, Canada Keisuke Suzuki, Kagawa University, Japan Desheng Li, Beijing University of Technology, China

Invited/Organized Session Chairs:

Kazuhito Yokoi, AIST, Japan Paul Wen, Univ. of Southern Queensland, Australia Hideyuki Sawada, Kagawa University, Japan Da Liu, Beihang University, China Yun Luo, Shanghai Jiaotong University, China Jinglong Wu, Okayama University, Japan Shuoyu Wang, Kouchi Institute of Technology, Japan

Awards Committee Co-chairs

Xinkai Chen, Shibaura Institute of Technology, Japan Limei Xu, UESTC, China

James K. Mills, Univ. of Toronto, Canada

Publications Chair:

Satoru Takahashi, Kagawa University, Japan

Publicity Chairs:

Jinjun Shan, York University, Canada Xiufen Ye, Harbin Engineering University, China Masahiro Nohmi, Kagawa University, Japan

Finance Chair:

Hidenori Ishihara, Kagawa University, Japan

Local Arrangement Chair:

Hidenori Ishihara, Kagawa University, Japan Liwei Shi, Kagawa University, Japan

Secretariats:

M. Pang, J. Guo, S. Zhang, Kagawa Univer., Japan



























Co-sponsors: IEEE Robotics and Automation Society, Kagawa University

Technical Co-sponsors: RSJ, JSME, SICE, JSPE, HIT, BIT, HEU, UEC, UESTC, CUST, BJUT, TJUT

Call for Papers



The 2013 IEEE International Conference on Mechatronics and Automation (ICMA 2013) will take place in Takamatsu, Kagawa, Japan from August 4 to August 7, 2013. Takamatsu is a small city located at Sikoku which is the smallest island in 4 main islands of Japan. Shikoku contains a lot of temples including Zentsu-ji, where one of the most famous Buddhists, Kukai, was born.

As the host city of ICMA 2013, Takamatsu not only provides the attendees with a great venue for this event, but also an unparalled experience in the Japanese history through several historical architectures. You are cordially invited to join us at IEEE ICMA 2013 in Takamatsu. The objective of ICMA 2013 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of mechatronics, robotics, automation and sensors to disseminate their latest research results and exchange views on the future research directions of these fields.

The topics of interest include, but not limited to the following:

- Intelligent mechatronics, robotics, biomimetics, automation, control systems,
- Opto-electronic elements and Materials, laser technology and laser processing
- Elements, structures, mechanisms, and applications of micro and nano systems
- Teleoperation, telerobotics, haptics, and teleoperated semi-autonomous systems -Sensor design, multi-sensor data fusion algorithms and wireless sensor networks
- Biomedical and rehabilitation engineering, prosthetics and artificial organs
- Control system modeling and simulation techniques and methodologies
- AI, intelligent control, neuro-control, fuzzy control and their applications
- Industrial automation, process control, manufacturing process and automation

Contributed Papers: 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 two extra pages. See detailed instructions in the conference web site. All papers accepted by IEEE ICMA 2013 will be indexed by EI and included in IEEE Xplore®. Extensions of selected papers will be published in a regular or a special issue of the journals of IJMA and JRM.

Organized Sessions: Proposals with the title, the organizers, and a brief statement of purpose of the session must be submitted to an OS Chair by March 20, 2013. **Tutorials & Workshops:** Proposals for tutorials and workshops that address related topics must be submitted to one of the Tutorial/Workshop Chairs by May 1, 2013.

Important Dates:

March 20, 2013 Full papers and organized session proposals
May 1, 2013 Proposals for tutorials and workshops
May 15, 2013 Notification of paper and session acceptance
Submission of final papers in IEEE PDF format

For detailed up-to-date information, please visit the IEEE ICMA conference website at:

http://2013.ieee-icma.org