

Council Honorary Chair:

Xu Han, Hebei Univ. of Tech., China

Advisory Council Honorary Chairs:

T. J. Tarn, Washington University, USA

Toshio Fukuda, Nagoya University, Japan

Advisory Council Chairs:

Tianyou Chai, Northeastern Univ., China

Raja Chatila, Univ. Pierre and Marie Curie, France

Kazuhiro Kosuge, The Univ. of Hong Kong, China

Paolo Dario, Scuola Superiore Sant'Anna, Italy

Masayoshi Tomizuka, UC Berkeley, USA

Mario A. Rotea, Univ. of Massachusetts, USA

Ju-Jang Lee, KAIST, Korea

Jonathon A. Chambers, Univ. of Leicester, UK

Darwin G. Caldwell, Italian Institute of Technology

Dagui Huang, UESTC, China

Huadong Yu, Jilin University China

Jijian Lian, Tianjin University of Tech., China

Yuxin Zhao, Harbin Engineering University, China

General Chairs:

Shijie Guo, Hebei Univ. of Tech., China

Hideyuki Sawada, Waseda Univ., Japan

General Co-Chairs:

William R. Hamel, Univ. of Tennessee, USA

Hajime Asama, Univ. of Tokyo, Japan

Andrew F. Laine, Columbia Univ., USA

Henrik Hautop Lund, Tech. Univ. of Denmark

Tianyou Wang, Tianjin Univ., China

Zhenzhong Liu, Tianjin Univ. of Tech., China

Qiang Huang, Beijing Inst. of Tech., China

Jianwei Zhang, Univ. of Hamburg, Germany

Ryojun Ikeura, Mie Univ., Japan

Chengzhi Hu, SUSTech, China

Danilo Mandic, Imperial College London, UK

Yonggang Zhang, Harbin Eng. Univ., China

Mingxing Du, Tianjin University of Technology, China

Program Chairs:

Jianda Han, Nankai Univ., China

Liwei Shi, Beijing Inst. of Tech., China

Program Co-Chairs:

Kevin Lynch, Northwestern Univ., USA

Qing Zhao, Univ. of Alberta, Canada

Wan Kyun Chung, POSTEC, Korea

Hongbo Wang, Fudan Univ., China

Weiwei Wan, Osaka Univ., Japan

Junxia Zhang, Tianjin Univ. Sci. & Tech., China

Zhenzhou Shao, Capital Normal Univ., China

Arianna Menciassi, Scuola Superiore Sant'Anna, Italy

Ryo Saegusa, Kanagawa Inst. of Technology, Japan

Organizing Committee Chairs:

Shuxiang Guo, SUSTech, China

Shijie Dai, Hebei Univ. of Tech., China

Organizing Committee Co-Chairs:

Aiguo Ming, UEC, Japan

Peizheng Li, Weigao Company, China

Hongyan Chen, Hebei Univ. of Tech., China

Longqing Cong, SUSTech, China

Jianjun Yuan, Shanghai Univ., China

Tutorials/Workshop Chairs:

Jixiao Liu, Hebei Univ. of Tech., China

Nak Youn Chong, JAIST, Japan

Xuping Zhang, Aarhus Univ., Denmark

Invited/Organized Session Chairs:

Toshiharu Mukai, Meijio Univ., Japan

Dan Zhang, York Univ., Canada

Jindong Tan, The Univ. Tennessee, USA

Pitoyo Hartono, Chukyo University, Japan

Changsheng You, SUSTech, China

Awards Committee Chairs:

Hong Zhang, Southern Univ. of Sci. and Tech., China

Xinkai Chen, Shibaura Inst. of Tech., Japan

Publications Chair:

Jin Guo, Beijing Institute of Tech., China

Yuefei Cai, SUSTech, China

Publicity Chairs:

Guangjun Liu, Toronto Metropolitan Univ., Canada

Jiexin Xie, Fudan Univ., China

Chunying Li, SUSTech, China

Finance Chairs:

Xin Guo, Hebei Univ. of Tech., China

Jian Guo, Tianjin Univ. of Technology, China

Local Arrangement Chairs:

Jianjun Zhang Xiaojun Zhang, Hebei Univ. of Tech.

Yu Song, Tianjin Univ. of Technology, China

Secretariats:

Sheng Cao, He Li, Yonggan Yan, BIT, China

Yang Li, Zhongli Wang Hebei Univ. of Tech., China

Zixu Wang, Le Huang, SUSTech, China



IEEE

IEEE ICMA 2024

2024 IEEE International Conference on
Mechatronics and Automation
August 4-7, 2024, Tianjin, China



Co-sponsors: IEEE Robotics and Automation Society, Hebei University of Tech., SUSTech

Technical Co-sponsors: NSFC, CAA, RSJ, JSME, SICE, JSPE, UEC, BIT, HEU, JLU, UESTC, TJUT

Call for Papers



The 2024 IEEE International Conference on Mechatronics and Automation (ICMA 2024) will take place in Tianjin, China from August 4 to August 7, 2024. Tianjin is a municipality direct under the Central Government, as well as an opening city. It's situated in the eastern part of the North China Plain, covering an area of 11,917 square km and with a population of 12,930,000.

As the host city of ICMA 2024, Tianjin not only provides the attendees with a great venue for this event, but also an unparalleled experience in Chinese history through several historical architectures. You are cordially invited to join us at IEEE ICMA 2024 in Tianjin. The objective of ICMA 2024 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 will be indexed by EI and all conference content will be submitted for inclusion into IEEE Xplore®. Extensions of selected papers will be published in a regular or a special issue of the journals of **IJMA**.

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 April 10, 2024.

Tutorials & Workshops: Proposals for tutorials and workshops that address related topics must be submitted to one of the Tutorial/Workshop Chairs by May 1, 2024.

Important Dates:

April 10, 2024

Full papers and organized session proposals

May 1, 2024

Proposals for tutorials and workshops

May 15, 2024

Notification of paper and session acceptance

June 1, 2024

Submission of final papers in IEEE PDF format



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

<http://2024.ieee-icma.org>