



2025 IEEE/ASME International Conference on Advanced Intelligent Mechatronics

July 14th - 18th, 2025 | Hangzhou, China

Advisory Committee:

Hideki Hashimoto (Chuo Univ., Japan)
Kok-Meng Lee (Georgia Inst. of Tech., USA)
Shigeki Sugano (Waseda Univ., Japan)
Huijun Gao (Harbin Inst. of Tech., China)

General Chair:

Huayong Yang (Zhejiang Univ., China)

General Co-Chairs:

Giovanni Berselli (Univ. of Genova, Italy)
Xiang Chen (Univ. of Windsor, Canada)
Han Ding (Huazhong Univ. of Sci. & Tech., China)

Program Chair:

Hong Liu (Harbin Inst. of Tech., China)

Program Co-Chairs:

Jian Chen (Sou. Univ. of Sci. & Tech., China)
Ya-Jun Pan (Dalhousie Univ., Canada)
Haibo Xie (Zhejiang Univ., China)

Conference Editorial Board Chair:

Tomoyuki Shimono (Yokohama National Univ., Japan)

Finance Chair:

Yong Lei (Zhejiang Univ., China)

Publicity Chair:

Jouni Mattila (Tampere Univ., Finland)

Publicity Co-Chairs:

Zheng Chen (Univ. of Houston, USA)
Shaohui Foong (Singapore Univ. of Tech. & Design)
Xiaoping Ouyang (Zhejiang Univ., China)

Publication Chair:

Geng Yang (Zhejiang Univ., China)

Publication Co-Chairs:

Weichao Sun (Harbin Inst. of Tech., China)
Huarong Zheng (Zhejiang Univ., China)

Local Arrangements Chair:

Tao Liu (Zhejiang Univ., China)

Workshops/Tutorials Chair:

Daniel Hissel (Univ. of Franche-Comte, France)

Workshops/Tutorials Co-Chairs:

Jiajie Guo (Huazhong Univ. of Sci. & Tech., China)
Zhongliang Li (Univ. of Franche-Comte, France)
Junmin Wang (Univ. of Texas at Austin, USA)

Registration Chair:

Kaichen Xu (Zhejiang Univ., China)

Student Chair:

Yan Gu (Purdue Univ., USA)

Invited Sessions Co-Chairs:

Mohamed Becherif (Univ. of Tech. of Belfort-Montbeliard, France)
Silu Chen (NIMTE, China)
Guangbo Hao (Univ. College Cork, Ireland)
Zhan Li (Harbin Inst. of Tech., China)

Awards Chairs:

Xiang Chen (Univ. of Windsor, Canada)
Bing Xu (Zhejiang Univ., China)

The 2025 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM2025) is set to be held on July 14-18, 2025 in Hangzhou, China, a city famous for its enchanting West Lake, vibrant tech environment, and rich cultural heritage. Serving as a leading conference in the field of intelligent mechatronics systems, AIM 2025 is committed to advancing diversity in the technology industry, promoting a culture of inclusion and equity, and welcoming, engaging, and rewarding all who contribute to the field and will bring together experts and researchers from around the world to exchange views on cutting-edge research outcomes and future developments. Visit <https://aim2025.org/> for more information.

The sponsors and organizers of AIM 2025 welcome submissions of original work across a wide range of topics including Sensors and Actuators, Automotive Systems, Bio-design and Manufacturing, Data Storage, Fault Diagnosis, Human-Machine Interfaces, Human-Robot Interaction/Collaboration, Human Factors in Mechatronics Systems, Industry Applications, Intelligent Systems, Machine Vision, Fluid Transmission and Control, Micro Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, System Identification and Adaptive Control, Motion Control, Vibration and Noise Control, Neural and Fuzzy Control, Opto-Electronics and Opto-mechatronics, Real-Time and Hardware-in-the-Loop Simulation, Robotics, System design Integration, Smart Materials and Structures, Energy Harvesting, and other emerging fields. We invite high-quality submissions in the categories below. All submissions must be uploaded to the submission website: <http://ras.papercept.net/conferences/scripts/start.pl> following the schedule below.

Contributed: All papers go through a rigorous peer-review process. All accepted manuscripts must be presented by the authors at the conference, will be published in the conference proceedings, and will be submitted for inclusion in IEEEExplore, subject to formatting and copyright requirements.

Invited: Invited sessions consist of 4 to 6 thematically related invited papers that will be presented together at the conference. Invited session proposals must include a brief statement of purpose and extended abstracts of the included invited papers. Invited papers are submitted and reviewed following the same process as contributed papers, and are included in the proceedings.

Workshops: Half-day or full-day workshops will be in one of two categories: (1) *Tutorial Workshops* focused on educating attendees about an emerging topic and (2) *Research Workshops* focused on bringing together experts to discuss an emerging field. Tutorial and workshop proposals must include a statement of objectives, a description of the intended audience, and a list of speakers with an outline of their planned presentations. Unless specifically requested, individual tutorial and workshop presentations are not peer reviewed, and do not appear in the proceedings.

Special Sessions: Special sessions offer a venue for exposing attendees to new and developing research fields and discussing specialized, novel, and not strictly technical topics (such as products) that do not fit in the other submission categories. Special Session proposals must include an abstract of the special session. Late Breaking Results: Poster presentations on late-breaking mechatronics research results will be presented during the conference. To enable presenters to share their most current findings, take note that the deadline for posters is significantly later than the deadline for papers. Posters will be peer-reviewed.

TMECH/AIM Focused Section and TMECH Presentation-Only: There are two chances for TMECH authors to present their work at AIM2025. (1) *Presentation Only:* All authors of TMECH papers accepted between Feb. 16, 2024 and Feb. 15, 2025 may choose to present their work during the conference. (2) *Focused Section:* Papers submitted to the 6th Edition of the Focused Section on TMECH/AIM Emerging Topics will be reviewed by TMECH, and if accepted, are presented at AIM2025 and published as part of the focused section in the August 2025 issue of TMECH. Inclusion in the focused section requires paid registration and presentation. Papers rejected for publication in TMECH will automatically be considered by the Program Committee of AIM 2025 for inclusion in AIM2025 as a contributed paper. Details can be found in the supplemental call for papers on the conference website: <https://aim2025.org/> and the TMECH website <http://www.ieee-asme-mechatronics.info/>.

IMPORTANT DATES:

TMECH/AIM Focused Section:	January 1, 2025
Invited/Workshop/Special Session Proposals:	January 20, 2025
Contributed/Invited Papers & TMECH Presentation Only:	March 17 February 1 , 2025
TMECH/AIM First Decision:	March 1, 2025
TMECH/AIM Revisions:	March 25, 2025
Notification of AIM and TMECH/AIM Paper Status:	May 1, 2025
Final Paper Submission:	May 10, 2025
Late-Breaking Submission:	May 16, 2025

