



2026 IEEE/ASME International Conference on Advanced Intelligent Mechatronics

July 7th - 10th, 2026 | Genova, Italy

Advisory Committee:

Hideki Hashimoto (Chuo Univ.)
Kok-Meng Lee (Georgia Inst. of Tech.)
Shigeki Sugano (Waseda Univ.)
Xiaobo Tan (Michigan State Univ.)
Huijun Gao (Harbin Inst. of Tech.)

General Chair:

Giovanni Berselli (Univ. of Genova)

Honorary Chair:

Darwin Caldwell (IIT)

General Co-Chairs:

Gianluca Palli (Univ. of Bologna)
Lorenzo Masia (TUM)
Huayong Yang (Zhejiang Univ.)
Qingze Zhou (Rutgers Univ.)

Program Chair:

Carlo Canali (IIT, Italy)

Program Co-Chairs:

Markus Grebenstein (DLR)
Guangbo Hao (Univ. College Cork, Ireland)
Salvatore Pirozzi (Univ. Of Campania, Italy)
Peng Yan, Shandong University

Conference Editorial Board Chair:

Tomoyuki Shimono (Yokohama National Univ.)

Publication Chair:

Cristina Piazza (TUM)

Finance Chair:

Mario Baggetta (Univ. of Genova)

Registration Chair:

Enrica Tricomi (TUM)

Publication Co-Chairs:

Manolo Garabini (Univ. of Pisa)
Kosta Jovanovic (Univ. of Belgrade)
Thirishantha Nanayakkara (Imperial College)
CESARE Stefanini (Mohamed bin Zayed Univ. of AI)

Publicity Chairs:

Lucia Beccai (IIT)
Fanny Ficuciello (Univ. of Naples)
Christian Ott (TUW)
Kamal Youcef-Toumi (MIT)

Regional Chairs

Elena De Momi (Polytechnic of Milan)
Guilin Yang (Ningbo Institute of Mat. Tech. & Eng)
Ellen Yi Chen Mazumdar (Georgia Inst. of Tech.)

Industrial Session Chairs:

Jelizaveta Konstantinova (Ocado Tech.)
Fabio Puglia (Oversonic Robotics)
Paolo Rocco (Polytechnic of Milan)
Pietro Valdastri (Univ. of Leeds)

Award Chairs:

Gursel Alici (Univ. of Wollongong)



Università
di Genova

The 2026 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM2026) is set to be held on July 7-10, 2026 in Genova, Italy: a historic port city on Italy's Ligurian coast, known for its maze-like medieval old town, and maritime legacy. Its hills, harbour, and pesto-filled cuisine, give it a character that's both gritty and elegant. AIM 2026 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 www.aim2026.com for more information.

The sponsors and organizers of AIM 2026 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, Modelling 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, Space Mechatronics, and other emerging fields.

We invite high-quality submissions in the categories above. All submissions must be uploaded to: <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 IEEExplore, 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: authors have the chances to submit a paper to the 7th Edition of the Focused Section on TMECH/AIM Emerging Topics. Papers will be reviewed by TMECH, and if accepted, are presented at AIM2026 and published as part of the focused section in the August 2026 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 2026 for inclusion as a contributed paper. Details can be found in the supplemental call for papers on the conference website: www.aim2026.com and the TMECH website <http://www.ieee-asme-mechatronics.info>

IMPORTANT DATES:

TMECH/AIM Focused Session (extended deadline):

December 29, 2025

January 13, 2026

Invited/Workshop/Special Sessions Proposals:

January 27, 2026

Contributed/Invited Papers & TMECH Presentation Only:

February 23, 2026

TMECH/AIM First Decision:

March 2, 2026

TMECH/AIM Revisions:

March 27, 2026

Notification of AIM and TMECH/AIM Paper Status:

May 1, 2026

Final Paper Submission:

May 10, 2026

Late-Breaking Submission:

May 16, 2026