

Second Call for papers for the 2021 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2021)

The 2021 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2021) will be **fully virtual** and held on July **12-16, 2021**. The motto will be “sustainable mechatronics”.

As a flagship conference focusing on mechatronics and intelligent systems, the AIM 2021 will bring together an international community of experts to discuss the state of the art, new research results, perspectives of future developments, and innovative applications relevant to mechatronics, robotics, automation, industrial electronics, and related areas, not limited to the conference motto. The sponsors and organizers of AIM 2021 invite submissions of high-quality mechatronics research papers describing original work, including but not limited to the following **topics**: Actuators, Automotive Systems, Bioengineering, Control, Data Storage Systems, Energy Harvesting, Energy-Saving Technology, Electronic Packaging, Fault Diagnosis, Human-Machine Interfaces, Industry Applications, Information Technology, Intelligent Systems, Machine Vision, Manufacturing, Micro-Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, System Identification and Adaptive Control, Motion Control, Vibration and Noise Control, Opto-Electronic Systems, Optomechatronics, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Robotics, Sensors, Smart Materials and Structures, Sustainability in Mechatronics, System Integration, Transportation Systems, and frontier fields.



Detailed information about paper submission will be published on <http://aim2021.org>. All topics are welcome within the scopes of TMEch: www.ieee-asme-mechatronics.org and AIM 2021. Authors are invited to submit one of the following to the PaperPlaza Conference system <http://ras.papercept.net/conferences/scripts/start.pl>:

Presentation of Recently Accepted TMECH papers: Authors of TMEch papers (regular and short papers) that were accepted between August 1, 2020 and May 1, 2021 will have the option to present their paper at the AIM 2021. At this conference the TMEch authors can promote and highlight their publication to the international mechatronics community in a fast track. At least one author must register for the conference and present the work in accordance with AIM rules governing registration and presentation. The presented paper will not be published in the AIM2021 Xplore proceedings, since the paper will be published as a TMECH paper. The paper will be included as part of the regular AIM2021 Program. Please upload the paper in PaperPlaza under the track “TMECH Paper Presentation”, noted with the given TMECH manuscript number.

AIM Contributed and Invited Papers: All papers go through a rigorous review process. Accepted papers will be presented by their authors at the conference. All accepted peer-reviewed manuscripts will be published in the conference proceedings, and will be submitted for inclusion in IEEEExplore, subject to formatting and copyright requirements. Please upload contributed papers in PaperPlaza under the track “Contributed Paper”, and invited papers under the track “Invited Session Paper”.

TMECH/AIM Emerging Topics Focused Section Papers: Submission closed. For more details about submission/review procedures and timelines, please refer to the Call for Papers for TMECH/AIM Focused Section: <http://www.ieee-asme-mechatronics.info/focus-sections/>

Tutorials & Workshops: Proposals are invited for half-day or full-day tutorials and workshops. Workshops explore the frontiers of recent or emerging topics in mechatronics, while tutorials provide a foundation for future self-study in important areas of mechatronics. Tutorial and workshop proposals must include: (1) a statement of objectives, (2) a description of the intended audience, (3) 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. Please use the template provided on <https://aim2021.org/submissions/>

Invited & Special Sessions: Proposals are invited for invited and special sessions. Invited sessions consist of 4 to 6 thematically related invited papers. Invited session proposals consist of a brief statement of purpose and extended abstracts of the invited papers. Invited papers are submitted and reviewed following the same process as contributed papers, and are included in the proceedings. Please use the template provided on <https://aim2021.org/submissions/>

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Submission for TMECH/AIM Emerging Topics Focused Section:	Open: 1 Nov 20 Close: 31 Dec 20
Submission of Special & Invited Session Proposals:	15 Jan 21
Submission of Tutorial & Workshop Proposals:	15 Jan 21
Submission of AIM Contributed & Invited Papers:	1 Feb 21
Submission of Accepted TMECH papers:	1 May 21
Notification of AIM Paper Acceptance:	1 May 21
Final Paper Submission AIM 2021:	15 May 21