

July 6-10, 2020, Virtual Conference

Call for Papers

The 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2020) will be held on July 6-10, 2020 virtually across international continents. As a flagship conference focusing on mechatronics and intelligent systems, the AIM 2020 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.

The sponsors and organizers of AIM 2020 invite submissions of high-quality mechatronics research papers describing original work, including but not limited to the following topics: Actuators, Automotive Systems, Bioengineering, Data Storage Systems, 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, Neural and Fuzzy Control, Opto-Electronic Systems, Optomechatronics, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Robotics, Sensors, System Integration, Transportation Systems, Smart Materials and Structures, Energy Harvesting, and other frontier fields.

All contributed and invited papers, tutorial and workshop proposals, and invited and special session proposals must be uploaded through <http://ras.papercept.net> according to the deadlines below.

Contributed & 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.

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, and (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.

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 included invited papers. Invited papers are submitted and reviewed following the same process as contributed papers, and are included in the proceedings.

TMech Paper Submission with AIM Presentation Option: Authors are invited to submit IEEE/ASME Transactions on Mechatronics (TMech) Papers with AIM Presentation option. Paper submissions with this option will be reviewed by TMech Editorial Board and accepted papers will be presented at the AIM 2020 and published in TMech. Detailed information about paper submission to TMech with AIM Presentation Option can be found at <http://aim2020.org/contribute/tmech/>.

TMech Focused Sections on Selected AIM Papers: Selected papers of AIM 2020 will be invited to submit an extended version to IEEE/ASME TMech for publication consideration in an AIM Focused Section to be published in 2021. The extended version submitted to TMech should contain sufficient and recognizable new contributions and/or results beyond the AIM 2020 paper.

Contact: please direct general inquiries to aim2020@soe.rutgers.edu.

Conference Website: <http://aim2020.org>.

Important Dates

January 8, 2020 (for "TMech Papers with AIM 2020 Presentation Option" only): Submission of Basic Paper Information

February 14 March 1, 2020: Submission of Special & Invited Session Proposals

February 14 March 1, 2020: Submission of Tutorial & Workshop Proposals

February 28 March 8, 2020: Submission of Contributed & Invited Papers

May 1, 2020: Notification of AIM Paper Acceptance

May 15 June 1, 2020: Final Paper Submission

June 1 May 15, 2020: Registration Open

***All deadlines are 23:59pm US PDT.**



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