

## Call for Papers

### IEEE/ASME Transactions on Mechatronics with AIM 2020 Presentation

Concurrent submissions are called for IEEE/ASME Transactions on Mechatronics (TMech) with International Conference on Advanced Intelligent Mechatronics (AIM 2020) Presentation. All topics are welcome within the scopes of TMech: [www.ieee-asme-mechatronics.org](http://www.ieee-asme-mechatronics.org) and AIM 2020: [aim2020.org](http://aim2020.org).

Both regular and short papers are solicited. The submitted paper should be no more than 8 TMech published manuscript pages, excluding photos and bios of authors. The submissions will be subject to a normal peer review process in the standard of TMech. A Regular Issue of TMech will be dedicated to publishing all accepted and presented papers in October 2020. As the concurrent submission, the decision for the submitted paper, upon the completed review process in which only one round of major/minor revision is allowed, falls into one of the following two categories:

1. Accepted for publication in TMech. In this case, the paper will be accepted by AIM 2020 concurrently for presentation and the basic information (abstract, author names and affiliations, etc.) of the accepted paper will be submitted to AIM 2020. The final publication in the dedicated Regular Issue of TMech, however, will be subject to the presentation of the paper in AIM 2020 with paid registration fee.
2. Rejected for publication in TMech. In this case, the paper, as well as all review comments, will be forwarded to the Program Committee of AIM 2020 for further consideration. A final acceptance/rejection decision will then be made by the Committee for AIM 2020.

Detailed information and description, including Q&A discussion, about this Call for Paper for TMech with AIM Presentation can be found online at <http://aim2020.org/contribute/tmech/>

#### Manuscript preparation

Papers must contain original contributions and be prepared in accordance with the journal standards. Instructions for authors are available online on the TMech website.

#### Manuscript submission

Manuscripts should be submitted to TMech online at: [mc.manuscriptcentral.com/tmech-ieee](http://mc.manuscriptcentral.com/tmech-ieee), selecting the track ‘**AIM Concurrent Paper**’. The cover letter should include the following statement: “This paper is concurrently submitted for TMech and AIM 2020 Presentation”. The basic information (abstract, author names and affiliations) of the paper should be submitted concurrently to AIM 2020 online at: [ras.papercept.net/conferences/scripts/start.pl](http://ras.papercept.net/conferences/scripts/start.pl).

#### Submission/Review/Decision Timeline:

First Submission for TMech:	January 8, 2020 (firm)
Basic Paper Information due for AIM 2020:	January 8, 2020
First Decision for TMech:	March 6, 2020
Revised Submission for TMech:	March 26, 2020
Final Decision for TMech and AIM 2020:	May 1, 2020
Final Paper Information due for AIM 2020:	May 15, 2020
Final Submission for TMech:	May 15, 2020

#### Contacts:

For any questions related to this Call for Paper, please contact:

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**Xiaobo Tan**, [xbtan@egr.msu.edu](mailto:xbtan@egr.msu.edu), Senior Editor of TMech/Program Chair for AIM 2020.

## Editorial Board for TMech-Aim2020 Concurrent Submissions

**Chair: Xiang Chen, University of Windsor, Canada.**

**Co-Chair: Xiaobo Tan, Michigan State University, USA.**

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**Areas:** multibody simulation and optimization of mechanical systems, design of special machines, simulation and design of mechanical transmissions, virtual prototyping and testing

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**Areas:** motion control, actuators and sensors, vibration and noise control, intelligent control

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**Areas:** motion control, actuators and sensors, intelligent control, micro devices and opto-electronic systems, robotics

**Soo Jeon, University of Waterloo, Canada.**

**Areas:** motion control, estimation, stochastic systems, robotic manipulation, power assistive devices, sensors and sensing systems.

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**Areas:** modelling and design, manufacturing, motion control, vibration and noise control, intelligent control, robotics, automotive systems

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**Areas:** actuators and sensors, intelligent control, motion control, robotics, vibration and noise Control

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**Areas:** robotics, bipedal locomotion, human motor control

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**Areas:** robotics, vibration control, actuators and sensors, modeling and design

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**Areas:** robotics, autonomous ground, aerial, surface, and underwater vehicles, rehabilitation robotics, brain computer interfaces, and sensory-motor neuroprosthesis

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**Areas:** human-robot interaction, haptics and teleoperation, biomimetic and bio-inspired robotics, AI and machine learning, medical and rehabilitation robotics, unmanned autonomous systems

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**Areas:** modelling and design, motion control, actuators and sensors, robotics

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**Areas:** medical and rehabilitation robotics, mobility and locomotion, grasping and manipulation, biomimetic actuators and sensors

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**Areas:** modelling and design, motion control, actuators and sensors, vibration and noise control, micro devices and opto-electronic systems, robotics

**Yajun Pan, Dalhousie University, Canada.**

**Areas:** modelling and design, motion control, actuators and sensors, robotics

**Tomoyuki Shimono**, Yokohama National University, Japan

**Areas:** actuators and sensors, motion control, robotics

**Zongxuan Sun**, University of Minnesota, USA.

**Areas:** modelling and design, motion control, actuators and sensors, automotive systems

**Mahdi Tavakoli**, University of Alberta, Canada.

**Areas:** robotics, modeling and design, actuator and sensor, rehabilitation robotics and human-robot interaction.

**Jun Ueda**, Georgia Institute of Technology, USA.

**Areas:** manipulation, motion control, actuation, tactile sensing, kinematics, dynamics, haptics

**Heike Vallery**, Technical University of Delft, Netherland.

**Areas:** robotics, bipedal locomotion, human motor control.

**Qingsong Xu**, University of Macau, China

**Areas:** modelling and design, motion control, actuators and sensors, vibration and noise, intelligent control, micro devices and opto-electronic Systems, robotics

**Jingang Yi**, Rutgers University, USA.

**Areas:** autonomous robotic systems, mechatronics, dynamic systems and controls, automation science and engineering, with applications to biomedical, transportation, and civil infrastructure systems

**Li Zhang**, Chinese University of Hong Kong, China

**Areas:** biomimetic actuators and sensors, soft actuators and sensors, bio-micro-nano devices, micro-electro-mechanical systems

**Lei Zuo**, Virginia Tech, USA

**Areas:** motion control, vibration and noise control, actuators and sensors, automotive systems