



www.aim2019.org

# IEEE/ASME International Conference on Advanced Intelligent Mechatronics July 8 - 12, 2019 | Hong Kong Science Park, Hong Kong, China

## Honorary Advisory Committee

Fumio Harashima, Tokyo Metropolitan University, Japan  
Tzyh-Jong Tarn, Washington University, USA  
Masayoshi Tomizuka, UC Berkeley, USA  
Toshio Fukuda, Nagoya/Meijo University, Japan; BIT, China  
Ren C. Luo, National Taiwan University, Taiwan  
Kok-Meng Lee, Georgia Institute of Technology, USA  
Okyay Kaynak, Bogazici University, Turkey

## Advisory Committee

Hideki Hashimoto, Chuo University, Japan  
Kok-Meng Lee, Georgia Institute of Technology, USA  
Bruno Siciliano, University of Naples, Italy  
Shigeki Sugano, Waseda University, Japan  
Roland Siegwart, ETH Zürich, Switzerland  
Max Meng, The Chinese University of Hong Kong, China  
I-Ming Chen, Nanyang Tech University, Singapore  
Bin Yao, Purdue University, USA  
Peter Korondi, BME, Hungary  
Ren C. Luo, National Taiwan University, Taiwan  
Gursel Alici, University of Wollongong, Australia  
Nicolas Chaillet, University Franche-Comte, France  
Jang-Myung Lee, Pusan National University, Korea  
Jordan Berg, Texas Tech University, USA  
Martin Buss, TU Munich, Germany  
Shane Xie, University of Leeds, UK

## General Chair

Dong Sun, City University of Hong Kong, China

## General Co-Chairs

Gursel Alici, University of Wollongong, Australia  
Wei-Hsin Liao, The Chinese University of Hong Kong, China  
Jingang Yi, Rutgers, The State University of New Jersey, USA

## Program Chair

Hesheng Wang, Shanghai Jiao Tong University, China

## Program Co-Chairs

Hiroshi Fujimoto, University of Tokyo, Japan  
Kenn Oldham, University of Michigan, USA  
Cristina Tarin, University of Stuttgart, Germany

## Award Co-Chairs

I-Ming Chen, Nanyang Technological University, Singapore  
Metin Sitti, MPI, Stuttgart, Germany

## RAS Liaison Officer

Shigeki Sugano, Waseda University, Japan

## IES Liaison Officer

Hideki Hashimoto, Chuo University, Japan

## DSCD Liaison Officer

Kok-Meng Lee, Georgia Institute of Technology, USA

## Finance Chair

King Lai, City University of Hong Kong, China

## Workshop Co-Chairs

Jun Ueda, Georgia Institute of Technology, USA  
Lin Wang, Shanghai Jiao Tong University, China

## Invited Session Co-Chairs

Kyu-Jin Cho, Seoul National University, Korea  
Kam K. Leang, University of Utah, USA  
Pei-Chun Lin, National Taiwan University, Taiwan  
Tao Liu, Zhejiang University, China  
Kiyoshi Ohishi, Nagaoka University of Technology, Japan

## Publicity Co-Chairs

Garrett M. Clayton, Villanova University, USA  
Yang Gao, University of Surrey, UK  
Dikai Liu, University of Technology Sydney, Australia  
Mihoko Niitsuma, Chuo University, Japan  
Zhenhua Xiong, Shanghai Jiao Tong University, China

## Publication Co-Chairs

Zhidong Wang, Chiba Institute of Technology, Japan  
Pakpong Chirarattananon, City University of Hong Kong, China

## Industry Committee Chair

Haoyao Chen, Harbin Institute of Technology Shenzhen, China

## Registration Chair

Henry K. Chu, The Hong Kong Polytechnic University, China

## Local Arrangement Chair

Yajing Shen, City University of Hong Kong, China

## Information Technology

Jia Pan, City University of Hong Kong, China

## Conference Secretary

Miranda Chi, City University of Hong Kong, China

## Call for Papers

The 2019 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2019) will be held on July 8 -12, 2019 in Hong Kong Science Park, Hong Kong, China. As a flagship conference focusing on mechatronics and intelligent systems, the AIM 2019 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 2019 invite a submission 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 the submission website ([www.aim2019.org](http://www.aim2019.org)) 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 area 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 Focused Sections on Selected AIM Papers

Selected papers of AIM 2019 will be invited to submit an extended version to IEEE/ASME Transactions Mechatronics (TMECH) for publication consideration in an AIM Focused Section to be published in 2020. The extended version submitted to TMECH should contain sufficient and recognizable new innovation, contribution, result, and material from the 2019 AIM paper.

## Important Dates

Submission of Special & Invited Session Proposals	February 10, 2019
Submission of Tutorial & Workshop Proposals	February 10, 2019
Submission of Contributed & Invited Papers	February 28, 2019
Notification of Paper Status	April 25, 2019
Final Paper Submission	May 15, 2019
Advanced Registration	May 28, 2019

*\*All deadlines are 23:59 PST.*

