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International Conference on Advanced Intelligent Mechatronics



Sponsored by IEEE Robotics and Automation Society & IEEE Industrial Electronics Society & ASME Dynamic Systems and Control Division

July 12–15, 2016, Banff, Alberta, Canada Call for Papers

The 2016 IEEE International Conference on Advanced Intelligent Mechatronics (AIM 2016) will be held on **July 12–15, 2016 in Banff, Alberta, Canada**. AIM 2016 will bring together an international community of experts to discuss the state-of-the-art for new research results, perspectives of future developments, and innovative applications relevant to mechatronics, robotics, control, and automation.

The sponsors and organizers of AIM 2016 invite submission of high quality mechatronics research papers describing original work, including the following topics: Actuators, Automotive Systems, Bioengineering, Data Storage Systems, Electronic Packaging, Fault Diagnosis, Human-Machine Interfaces, Industry Applications, Energy Systems, Information Technology, Intelligent Systems, Machine Vision, Manufacturing, Micro-Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, System Identification, Adaptive Control, Motion Control, Vibration and Noise Control, Neural and Fuzzy Control, Optomechatronics, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Robotics, Sensors, System Integration, Transportation Systems, Smart Materials and Structures, 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 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 the IEEEXplore database, 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 audiences, 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 (IS/SS). Invited Sessions consist of 4 to 6 thematically related Invited Papers. IS proposals consist of a brief statement of purpose and extended abstracts of the included Invited Papers. Individual Invited Papers are submitted and reviewed following the same process as Contributed Papers, and are included in the proceedings.

Special Sessions are free-form sessions to convey exciting problems or new results. An SS may include experimental demonstrations, panel discussions, and presentation-only talks. SS proposal consisting of a brief statement of purpose for the session, plus a description of the planned SS activities.

Best Paper Awards: All eligible peer-reviewed papers will be considered for the Best Conference Paper Award and the Best Student Paper Award.

Venue: AIM2016 will be held at the Banff Centre in Banff, Alberta, Canada, an arts, education, and conference center in the heart of the Canadian Rockies.

Important Deadlines:

Feb. 28, 2016	Submission of Special & Invited Session Proposals
Mar. 6, 2016	Submission of Tutorials & Workshop Proposals
Mar. 6, 2016	Submission of Contributed & Invited Papers
Apr. 20, 2016	Notification of Paper Status
May 20, 2016	Submission of Final Paper
May 20, 2016	Advance Registration

