

Organized Sessions**Proposal Due:**

April 01 2021

Paper Submission:

April 15-June 15, 2021

Notification of Paper**Acceptance:**

June 25, 2021

Early Bird Registration:

July 16, 2021

Final Paper Submission:

July 16, 2021

**All deadlines are 23:59 PST.*

ARIS 2021

International Conference on
Advanced Robotics and Intelligent Systems**Theme: Smart Machines & Manufacturing****August 17-20, 2021****Online, Virtual****Organized by** National Tsing Hua University (NTHU)
Robotics Society of Taiwan (RST)**Sponsored by** Ministry of Science and Technology (MOST), Taiwan**In cooperation with** Artificial Intelligence for Intelligent Manufacturing Systems Research Center (AIMS)
Taiwan Automation Intelligence and Robotics Association (TAIROA)Conference Information
<http://aris2021.org>

Call for Participation

The 9th International conference on Advanced Robotics and Intelligent Systems, which will be virtually on August 17-20 2021 is soliciting contributions out of novel and original research and development results on Advanced Robotics and Intelligent Systems. The conference is jointly organized by the Robotics Society of Taiwan (RST) and National Tsing Hua University (NTHU) and is intended to provide a forum for international researchers from the academia and industries to share their findings, to network, and to foster collaboration opportunities in technical and business areas. It is also intended to attract and groom graduate students in the RST technical areas and related industries. This conference provides a very good opportunity for research scientists, investors, industrial and government representatives to present the latest innovations, novel results and the state-of-the-art ideas. The scope of the conference covers the following interdisciplinary research and application topics related to Advanced Robotics and Intelligent Systems.

Topics

3D Perception	Genetic Algorithms	Intelligent Vehicle Systems
Algorithms and Data Structures	Haptics and Teleoperation	Medical Robot
Advanced Intelligent Systems	Human Centered Design	Mobile Robot
Advanced Robot	Human Centered Transportation	Modeling and Mathematical Models
Artificial Intelligence	Human-Computer Interaction	Neural Networks
Bioinformatics/Computational Biology	Human-Machine Interactions	Numerical Analysis
Brain-Machine Interface Systems	Humanoid Robot	Petri Nets
Care/ Cognitive Robot	Industrial Robot	Security Robot
Code verification & Quality Assurance	Inspection Robot	Service Robot
Computational Geometry	Intelligent Behavior Control	Smart Machines with Robots
Cooperative Work in Design	Intelligent Green Production Systems	Smart Manufacturing with Robots
Discretization Methods	Intelligent Internet Systems	Soccer Robot
Education Robot	Intelligent Learning in Control Systems	Social Robot
Embedded Robot	Intelligent Manufacturing Systems	Software Design
Entertainment Robot	Intelligent Network Technologies	Soft Robotics
Environmental Engineering	Intelligent Power and Energy Systems	Stochastic processing and Modeling
Evolutionary Computation	Intelligent Power Management Systems	Swarm Intelligence
Fast Numerical Algorithms	Intelligent Sensor Fusion	System Integration Technology
Fuzzy System and Applications	Intelligent Transportation Systems	Wheelchair Robot

Submission Policies: Papers submitted should be written in English. The official language of the conference is English.

Presentation-only Papers: Submit one-page presentation-only abstract papers for oral presentation in the conference. The accepted one-page abstract papers will be included in the conference proceedings. However, it will not be digitally archived in online-accessible Journal of Industrial Mechatronics.

Contributed Papers: Submit double-column 3-page no more than 4-page extended abstract papers for oral presentation in the conference. The accepted extended abstracts will be included in the conference proceedings as well as digitally archived in online-accessible Journal of Industrial Mechatronics. Authors of accepted extended abstract papers may submit full-paper manuscript for publication in MDPI Journal – Electronics, and iRobotics Journal.

Organized/Invited Sessions: ARIS 2021 welcomes proposals for organized/invited sessions within conference scope. Please put the proposals and the extended abstracts of all constituent papers in ONE electronic file when submitting. Please see Guidelines for Proposals for details in website.

Paper Awards: All accepted extended abstract papers (excluding one-page abstract papers) will be considered for three types of paper awards that will be offered in this conference, namely the Best Technical Track Paper Award, Best Conference Paper Awards, and Best Student Paper Awards.

Conference Manager: Tim Chang

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Industrial Technology
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Artificial Intelligence for Intelligent Manufacturing Systems Research Center