



2015 International Conference on Advanced Robotics and Intelligent Systems

May 29-May 31, 2015, National Taipei University of Technology, Taipei, Taiwan

Call for Papers



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Organized by National Taipei University of Technology, Robotics Society of Taiwan (RST)

Sponsored by Ministry of Science and Technology (MOST), Taiwan.
Ministry of Education, Taiwan.
IEEE Systems, Man and Cybernetics Society, Taipei, Taichung and Tainan Chapters
IEEE Robotics and Automation Society, Taipei Chapter

Technically sponsored by IEEE SMC Society, Korea Robotics Society (KROS)

In cooperation with
Chinese Automatic Control Society (CACS)
Taiwan Automation Intelligence and Robotics Association (TAIROA)
Chinese Institute of of Automation Engineers (CIAE)

ARIS 2015, 2015 International conference on Advanced Robotics and Intelligent Systems, to be held at National Taipei University of Technology (Taipei Tech.), Taipei, Taiwan, May 29-31, 2015, is soliciting novel research results on Advanced Robotics, Intelligent Systems, and building successful Simulations for robots and systems. Jointly organized by Taipei Tech. and the Robotics Society of Taiwan (RST), 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. Topics of interest include but are not limited to:

Main Topics

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

Important Dates

January 10, 2015	January 31, 2015	Proposals and extended abstracts of organized sessions
February 25, 2015		Submission of contributed papers
April 10, 2015		Notification of acceptance
April 24, 2015		Final papers due

Submission Policies

Papers submitted should be written in English. All submissions must be made electronically in PDF format via ARIS 2015 conference website: <http://aris2015.ntut.edu.tw/>. The official language of the conference is English.

Contributed Papers

Submit full paper manuscripts of no more than 6 pages in total length. In principle, all accepted papers will be published in IEEE Xplore.

Organized/Invited Sessions

ARIS 2015 welcomes proposals for organized/invited sessions within conference scope. Please put the proposal and the extended abstracts of all constituent papers in ONE electronic file when submitting.

Best Conference/Student Paper Contests

Identify your submission as the contest entry when you upload your manuscript electronically.

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