

Robotics Society of Taiwan



Li-Chen Fu

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RST membership

- RST is a medium-size society (~200 registered members) including individual and organizational members
- Membership details are available on the organization's website



- Focus on studying and promoting robotics theories, engineering technologies, innovative products and education.
- Target at promoting international academic collaboration and facilitate the development of robotics related industry to enhance our international competitiveness.

Current RST Council

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Ching-Chih Tsai
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Treasurer
Chi-Huang Lu
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What does the RST do?

- I. Organize/manage international/domestic conferences
 - International conference on Advanced Robotics and Intelligent Systems (ARIS)
 - National Conference on Advanced Robotics
- II. Act as a focal point for Taiwanese media interested in Robotics (exec. receives regular phone enquires and emails)
 - Distribute information for the robotics research
- III. Member Communications
 - Quarterly Newsletter
 - RST website



What does the RST do?

- IV. International Publication
 - “iRobots” -new international Journal
- V. Technical support for nationally significant robotics competitions to encourage students’ participation, including undergraduate, senior high school, junior high school, and primary school levels.
 - WRO robotics competitions
 - Robocup Junior robotics competitions
 - Taiwan Intelligent robots Contests.



International conference on Advanced Robotics and Intelligent Systems (ARIS)

Annual conference since 2013

- **ARIS 2017**: 80 submitted, 31 papers accepted for including in IEEE Xplore, 44 accepted position papers, 75 registered attendees
- Provide a supportive forum for International and Taiwan researchers to present their latest and innovative research results .
- Provides better international visibility of Taiwanese robotics research
- RST website updated regularly, in order to provide a more modern template and easier maintenance.

ARIS 2017

2017 International conference on Advanced Robotics and Intelligent Systems

Taipei Nangang Exhibition Center, Taiwan, September 6-8, 2017

Call for Papers

Host by: Robotics Society of Taiwan (RST), Technically Sponsored by: National Chung Hsing University (NCHU), Patrons: IEEE Systems, Man and Cybernetics Society, Ministry of Science and Technology, Taiwan, R.O.C., Ministry of Economic Affairs, Bureau of Foreign Trade, Taiwan, R.O.C., Taiwan Automation Intelligence and Robotics Association (TAIROA), IEEE Computational Intelligence Society, Taipei Chapter, IEEE Intelligent and Fuzzy Systems Society, Taipei Chapter, IEEE Robotics and Automation Society, Taipei Chapter, International Fuzzy Systems Association (IFSA)

ARIS 2017, 2017 International conference on Advanced Robotics and Intelligent Systems, to be held at Taipei Nangang Exhibition Center, Taiwan, over September 6-8, 2017, is soliciting novel research results on Advanced Robotics and Intelligent Systems and related topics. Jointly organized by RST and NCHU, this conference provides a very good opportunity for research scientists, investors, industrial and government representatives to present their results and to exchange ideas. For paper submissions and more information, please visit the conference website at: <http://aris2017.nchu.edu.tw/>.

Topics of interest include but are not limited to:

3D Perception	Automation Intelligence
Big-Data Analytics for Industry 4.0	Brain Machine Interface System
Cloud Computing for Industry 4.0	Cognitive Robots
Cyber-Physical Systems for Industry 4.0	Education Robots
Embedded Robot and Intelligence	Entertainment and Amusement Robots
Fuzzy Control and Robotics	Home Robot and Service Robot for Elder and Children
Human-Robot Interactions	Humanoid Robot
Indoor and Outdoor Service Robots	Inspection Robot
Intelligent Automated System and its Applications	Intelligent Control for Assistive Robots
Intelligent Control Systems	Intelligent Manufacturing Systems
Intelligent Medical Systems and Applications	Intelligent Robotics and Systems
Intelligent Systems for Smart City	Internet of Things (IoT) for Industry 4.0

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Invited Session Chairs

National Conference on Advanced Robotics (NCAR)

Annual national conference since 2013

- NCAR 2017: 40 submitted, 35 papers, 50 registered attendees
- Provide a supportive forum for Taiwan researchers to present their latest and innovative research results.
- Provides better national visibility of Taiwanese robotics research



The last 12 months

- ARIS 2017
- NCAR 2017
- Three RST BOG Member Meetings
- Three RST Newsletters
- Academic Awards for Outstanding RST Members
- Prepared the New International Journal “iRobots”
- Cooperated with Taiwan Automation Intelligence and Robotics Association (TAIROA) to hold TAIROAS 2017



Things to do

- Continue to give technical supports for nationally significant robotics competitions to encourage student participation in the field.
- Promote international academic collaboration with Japanese, Australian and other robotics Societies
- Strength our society's international publication "iRobots"
- Prepare Conferences in the next year
 - ARIS 2018
 - NCAR 2017



Thanks for your attention!



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