Introduction of the RSJ

The Robotics Society of Japan (RSJ)

1. About the RSJ

Establishment: January 28, 1983

Purposes: Promoting progress in academic fields and providing specialists with a venue for announcing their research and sharing technical information

Activities: Publishing: Journal of the RSJ, Advanced Robotics and Texts
Conferences: Annual Conference of the RSJ and Robotics Symposia (Sponsored by SICE, JSME and RSJ)
Seminar: Robotics Seminar
Awards: Best Paper Award, Advanced Robotics Best Paper Award so on
Committees: Special Interest Groups and Surveillance Committee (The Great East Japan Earthquake)
Globalization: Cosponsor of IROS and Ro-man, International Education
Number of Members (at Dec. 31, 2017)

- Number of Individual members: 4,076
  - Regular members: 2,977
  - Student members: 983
  - Honorary members: 9
  - Life members (since 2012): 107
- Number of Supporting members: 82

Breakdown of members:

- Life members
- Honorary members
- Student members
- Regular members

Journal of the RSJ: Since 1983, Last volume: 33, Published 10 issues per year
- Carrying papers, review articles and information for members
- All individual members can read and download the papers and the review articles at J-Stage online archive.

International Journal (1)

- Advanced Robotics: Since 1988, Last volume: 29, Published 24 issues per year
  - Publisher: Taylor & Francis
  - Carrying Only English papers
  - All individual members can read and download the papers at an online archive of Taylor & Francis.

International Journal (2)

- Number of contributions increases year by year. 502 contributions in 2017
- Contributions from Japan and East Asia are major.
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Conferences

- Annual Conference of RSJ:
  - Main event held by the Society in September.
  - The 35th Annual Conference was held in 2017 at Toyo Univ.
- Robotics Symposia (Sponsored by SICE, JSME and RSJ)
  - Purpose: Higher level presentation and discussion
  - The 22nd Symposium was held in 2017.

Robotics Seminar

- Seminars that cover everything from basic to advanced technical topics
- About 7 seminars per year
- Average number of participants in one seminar: About 50
- Services for the supporting members: Free ticket and Discount ticket
- Remote seminar has been started since 2013.

Globalization

- Cosponsorship of International conferences
- Asian Robotics Society Union (ARSU)
  - Established in 2006
  - Participating nations: Korea, China, Taiwan, Australia, Thailand, Singapore, Vietnam, India, Japan
- Technical-sponsorship of International conferences
  - International Symposium on Advanced Robotics (ICAR)
  - International Symposium on Robots (ISR)
  - Micro Materials Conference (Micro Mat)
  - International Symposium on Distributed Autonomous Robotic Systems (DARS)

Awards

- Honoring of academic activities and contributions to society
  - Best Paper Award
  - Advanced Robotics Best Paper Award
  - Technical Innovation Award
  - Young Investigation Excellence Award
  - Robotics Symposia Young Investigator Excellence Award
  - Robots and Society Award
  - Distinguished Service Award

30th anniversary founder award
(At Sapporo city in 2012)
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Committees

- Special Interest Groups: (13 committees in 2017)
  - Special Interest Group on "Play and Robot"
  - Special Interest Group on "Robotics Philosophy"
  - Special Interest Group on "Humanoid Robotics"
  - Special Interest Group on "Soft Robotics"
  - Special Interest Group on "Open Intelligence"
  - Special Interest Group on "Intelligent Home Robotics"
  - Special Interest Group on "Data Engineering Robotics"
  - Special Interest Group on "Network Robotics Services"
  - Special Interest Group on "Robotics Young Researchers Network in Kansai"
  - Special Interest Group on "Robotics Association for Young Researchers *HUROBINT"
  - Special Interest Group on "Human Centric Robotics"
  - Special Interest Group on "Robot Technology in Hokkaido"
  - Special Interest Group on "Intelligent Space"

- Surveillance Committee: (3 committees in 2015)
  - Surveillance Committee on "Decommissioning Robotics" (Since 2015. 1)
  - Surveillance Committee on "Industry-Academia Collaboration" (Since 2013. 5)
  - Surveillance Committee on "Extensive Technical Platform for Disaster Response" (Since 2013. 1)

- Fundamental Category Committee: (2 committees in 2015)
  - Committee on "Robotics Education" (Since 2015. 4)
  - Committee on "Construction Robot" (Since 2013. 10)

Membership Services:
- Renewal and Confirmation of Private Membership Data
- Online RSJ Journal (J-Stage): Reading and downloading papers and reviews that were published in the last year
- Online Advanced Robotics: Reading and downloading all the papers in back issues
- Proceedings Archive of Annual Conference of RSJ

Open Services for Non Members:
- Robotics Laboratories in Japan: Link site
- History of Robotics Research and Development of Japan
- Online RSJ Journal (J-Stage): Pay service
- Online Advanced Robotics: Pay service

Services on Web Site (http://www.rsj.or.jp/en)

Historical Japanese Robotics Research from 1960s to current research
[link]

History of Robotics Research and Development of Japan
http://www.rsj.or.jp/en/services/general

Contribution to Education

- Robot High school: Cooperation with the International Robot Exhibition (iREX) 2009 and 2011
- Japanese high school students experienced dismantling and operation of real industrial robots.

- An event cooperated with IREX
- Call on high school students around the world
- Interchanging between students, Advanced robot lectures and Presentations by students

4th IRH 2018 will be held in this October.
5. Contribution to Society:
The Great East Japan Earthquake

- Coopetition for a response to the Great East Japan Earthquake:
  - Establish of the Surveillance Committee on Tohoku Earthquake (2011. 3)
  - Cooperation with Disaster Response Robotics Task Force
    (volunteer action of robotics researchers and engineers) (2011. 4)
  - Joint statement by the Japanese academic societies concerning with robotics (2011. 4)
  "Joint statement for application of Japanese robot technologies to the disaster responses for the Great East Japan Earthquake and the nuclear disasters of Hukushima "
  The Japan Robotics Society
  The Japan Society of Mechanical Engineers: Robotics and Mechatronics Division
  The Society of Instrument and Control Engineers: System Integration Division
  IEEE Robotics and Automation Society, Japan Chapter
  IFToMM, Japan Council

- Action of the Surveillance Committee on Tohoku Earthquake:
  - Subcommittee for recording nuclear disaster response technologies:
    - Final report (In Japanese) (2014.10)
      http://www.rsj.or.jp/databox/committees/141001saigaikiroku_fainal_zannte.pdf
  - Subcommittee for recording general disasters response technologies:
    - Interim report at the 30th Annual Conference (2012.9)