



Robotic Games Society (Singapore)

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EXECUTIVE SUMMARY

The objectives of the Singapore Robotic Games are:

- to inculcate in the general public an understanding and appreciation of robotics and automation;
- to **educate** the general public on the things robots can do that are quite apart from industrial tasks;
- to help in the technology development by providing benchmarks for practical robotics research and development; and
- to encourage innovation in design among young engineers and provide them with a forum to display their works

Besides the first two objectives of inculcating automation culture to and educating the general public, the SRG hopes to co-ordinate efforts of all academic and research institutions towards practical robotics and automation. The events in the SRG provide benchmarks for robotic devices. All institutes will then work towards achieving this benchmark while competing with each other. This will lead to further advancement of robotics and automation technology in Singapore. Each year, the events of the SRG are made progressively more challenging with at least one new event or competition. This provides continuity and ensures continuous growth of technology. The last objective is very important. Only through recognition will participants be rewarded for their hard work. What better way to recognise their achievements than to display their works to the general public. Also through this public displays, spin-offs in terms of commercialisation, further developments by other parties, wider participation, etc. would be possible.

The 2002 Singapore Robotic Games is scheduled for May 20-22, 2002 with the competitions at the Singapore EXPO Hall 4B during the 1st 3 days, followed by the workshop at Copthorne Orchid Hotel on May 23, 2002. The following 13 competitions will be held:

- Robot Sumo Competition (*New*)
- Gladiator
- Legged Robot Race
 - ⇒ Marathon
 - ⇒ Obstacle
- Micromouse Competition
 - ⇒ Open
 - ⇒ JC/ITE
 - ⇒ Secondary Schools
- Robot Colony Competition (*New*)
- Pole Balancing Robot Competition
- Robot Soccer Competition (Mirobot)
- Schools Robotic Competition
- International Robot Contest – Challenge Course (*New*)
- Wall Climbing Robot Race

In addition, there will be a public lecture by a distinguished and internationally renowned speaker, Professor Shigeo Hirose, Tokyo Institute of Technology, Japan in the area of robotics on 22 May 2002.. Professor Hirose will also be conducting a 1-day workshop on May 23, 2002.

SRG 2002 is open to all, and international participation is encouraged.

For more information, please contact Marcelo H. Ang Jr., National University of Singapore, Tel (65) 6874-2555, Fax (65) 6779-1459, mpeangh@nus.edu.sg, or the secretariat, Mr. Yee Choon Seng at Tel (65) 6874-2137 and mpeyeecs@nus.edu.sg

Please also refer to <http://guppy.mpe.nus.edu.sg/srg/> for updated information.

SRG is held in cooperation with IEEE Robotics and Automation Society Singapore Chapter and is jointly organised by:

Institute of Technical Education, Nanyang Polytechnic, Nanyang Technological University, National University of Singapore, Ngee Ann Polytechnic, Robotic Games Society (Singapore), Singapore Polytechnic, Singapore Science Centre and Temasek Polytechnic.