

Singapore Robotics and Intelligent Systems Symposium (SRISS 2026)

22 May 2026 · Shangri-La Singapore

By Yan Wu, Chair, IEEE SMC Society Singapore Chapter

The Singapore Robotics and Intelligent Systems Symposium (SRISS 2026) brought together 126 researchers, engineers, and students at the Shangri-La Singapore on 22 May 2026 for a full day dedicated to robotics, artificial intelligence (AI), automation, control, and intelligent systems. The symposium was led by Systems, Man, and Cybernetics Society (SMC) Singapore Chapter and jointly organised with the Singapore Chapters of the IEEE Control Systems Society (CSS), Industrial Electronics Society (IES) and Robotics and Automation Society (RAS), together with the A*STAR Institute for Infocomm Research (I2R). This edition of the symposium is supported by the IEEE SMC Society Initiative Grant.

Conceived to foster collaboration and knowledge exchange across Singapore's vibrant research ecosystem, SRISS 2026 convened experts from both industry and academia for a dynamic blend of a keynote address, invited talks, an industry talk, and poster sessions. A central aim — closely aligned with the mission of the IEEE SMC Society — was to give early-career researchers and graduate students a platform to showcase their work, receive constructive feedback, and engage directly with leading figures in the field.

The technical programme was organised around four themed sessions: Robotics; Intelligent Systems; Systems, Integration & Industrial Applications; and Intelligence, Control, and Cybernetics. The day opened with a keynote address, “From Bats to Bots: Bioinspired Embodied AI for Autonomy in Complex Environments,” by Prof Rolf Müller of Virginia Tech. Twelve invited talks followed from leading academics across Singapore's universities and research institutes — including A*STAR, NTU, NUS, and SUTD — spanning topics from soft robotics and surgical embodied AI to safe control, multi-agent learning, and AI-native wireless networks. An industry talk by Mr Zhang Kaifeng of Sharpa, “How Tactile Sensing Revolutionizes Dexterous Manipulation,” showcased advances in dexterous robotic hands.

Keynote and Industry Talks



Keynote address by Prof Rolf Müller (left) and the industry talk by Sharpa (right).

Invited Talks





*Invited speakers from A*STAR, NTU, NUS, and SUTD presenting across the four themed sessions.*

Student participation was at the heart of the symposium. Two poster sessions featured PhD students from across Singapore, with outstanding contributions in Intelligence, Robotics, and Control Science recognised through the Best Poster, Award of Distinction, Award of Merit, and People's Choice Poster awards. Scheduled lunches, tea breaks, and an exhibition running alongside the poster sessions created ample opportunity for networking and collaboration.

Poster Sessions and Networking





Poster presentations and networking interactions throughout the day.

By bringing together researchers and students from academia and industry, SRISS 2026 underscored the value of interdisciplinary collaboration in advancing robotics, AI, automation, and intelligent systems within Singapore and beyond. The organising committee gratefully acknowledges the IEEE Systems, Man, and Cybernetics Society for its support through the SMCS Initiative Grant, along with the co-organising partners. Encouraged by the strong turnout and enthusiastic participation at this inaugural edition, the organisers look forward to growing SRISS into a recurring fixture on Singapore's research calendar. More information is available at the event website: tinyurl.com/sriss2026.

About the Author



Dr Yan Wu

Dr Yan Wu is a Principal Scientist and the Deputy Head of the Embodied AI & Robotics Chapter with the A*STAR Institute of Advanced Intelligence and Computing, Singapore, and the Director of Graduate Affairs with the A*STAR Graduate Academy. He previously served as the Deputy Head of the Robotics and Autonomous Systems Division with the A*STAR Institute for Infocomm Research and Co-Lead (Technology) of the A*STAR Robotics Horizontal Technology Coordinating Office. His research interests include embodied intelligence, tactile perception and control, robot learning and dexterity, and human–robot interaction. As an active volunteer with the IEEE Systems, Man, and Cybernetics Society (SMC), Yan serves as a member of the IEEE SMC Society Board of Governors and the Chair of the SMCS Singapore Chapter. He was the convenor of SRISS 2026.

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