



IEEE
ROSE 2026
IEEE INTERNATIONAL SYMPOSIUM ON ROBOTIC AND SENSORS ENVIRONMENTS
May 18-19, 2026 || Norfolk, VA, USA



IEEE

IEEE
INSTRUMENTATION
& MEASUREMENT
SOCIETY®

CALL FOR PAPERS

IMPORTANT DATES

November 1, 2025

Proposals for Special Sessions

November 26, 2025

Submission of Papers/Tutorials/
Workshops

January 31, 2026

Decision Notification

February 20, 2026

Final Paper Submission Deadline

March 18, 2026

Registration Opens

ORGANIZING COMMITTEE

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GENERAL INQUIRY

REMY PUGH

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The 18th edition of the IEEE International Symposium on Robotic and Sensors Environments will take place in-person on May 18-19, 2026.

The focus of the ROSE symposium series is on sensing systems and technologies for robotics and industrial automation, as well as their impact on autonomous robotics and intelligent systems development and applications. Papers are solicited on all aspects of these areas.

SYMPOSIUM TOPICS

- » Intelligent robotic systems
- » Human-robot interaction
- » Cognitive robotics
- » Tele-operation
- » Locomotion and manipulation
- » Collaborative robotics
- » Rescue robots
- » Swarm robotics
- » Robot sensors and vision
- » Multimodal sensing and perception
- » Control systems
- » Intelligent sensing
- » Machine vision and image processing
- » 3D sensing and modeling
- » Sensor fusion
- » Emerging sensor technologies
- » Distributed sensing
- » Industrial automation
- » Collaborative manufacturing
- » Inspection and quality control
- » Agricultural sensors and robotics
- » Marine sensing and robotics
- » Aqua-cultural sensors and robotics
- » Climate sensors and robotics
- » Evolutionary robotics
- » Haptics
- » Motion planning and navigation
- » Robotics cyber security
- » Anti drone systems

SUBMISSION

Authors are invited to submit original full-length manuscripts with a clear emphasis on the theoretical or practical originality of the presented work. Submissions are accepted electronically at the conference website rose2026.ieee-ims.org. Papers must be written and presented at the conference in English only.

Only papers that are accepted and presented in the conference will be submitted for inclusion in the IEEE Xplore digital library and indexed by EI/Compendex. IEEE also submits all conference proceedings for indexing to Web of Science and Scopus/Compendex, as well as a few other downstream indexers. Acceptance and indexing is subject to a thorough review process.

A Best Paper Award will be presented at the end of the symposium.

Participants who are interested in conducting Tutorials/Workshops or in organizing Special Sessions on topics of interest are encouraged to contact the Technical Program Chairs.