

IEEE

International Symposium on

ROSE 2021ROBOTIC AND SENSORS ENVIRONMENTS
October 28–29, 2021 | Virtual Conference

CALL FOR PAPERS

IMPORTANT DATES

June 20, 2021

Special Session Proposal

June 27, 2021Initial Paper Submission
(regular, special session)**August 13, 2021**

Tutorial Proposal

August 27, 2021

Notification of Acceptance

September 12, 2021Final Paper Submission
(regular, special session)

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GENERAL INQUIRY

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The 14th edition of the IEEE International Symposium on Robotic and Sensors Environments will take place Virtually on October 28–29, 2021.

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
- » Robot manipulation
- » Mobile robotics
- » Rescue robots
- » Swarm robotics
- » Robot sensors and vision
- » Multimodal sensing and perception
- » Sensor-controlled 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 robotics and automation
- » Aqua-cultural sensors and robotics
- » Climate sensors and robotics

PAPERS

Submit your full-length manuscript electronically in PDF-format online at ROSE2021.ieee-ims.org. Papers must be written and presented in the conference in English only. Please consult the conference website for more details.

High-quality papers that are accepted and presented will be submitted for inclusion in the IEEE Xplore digital library and indexed by EI/Compendex.

Best Student Paper and Best Paper Awards will be presented at the end of the symposium.

Participants who are interested in conducting Tutorials or organizing Special Sessions on topics of interest are encouraged to contact the Chair(s) in charge.

SPECIAL SECTION IN IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT

A Special Section on ROSE 2021 will be published in IEEE Transactions on Instrumentation and Measurement to promote the most significant results presented at the conference. Manuscripts submitted to the Special Section must be technically extended beyond the scope of the proceedings paper, in terms of the overall technical content and research results. Full details can be found on the conference website.

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