



**IEEE** International Symposium on  
**ROSE 2022**  
 Robotic and Sensors Environments  
 14-15 November, 2022 | Hybrid | Khalifa University, Abu Dhabi, UAE



## CALL FOR PAPERS

### IMPORTANT DATES

**July 18, 2022**

Proposals for special sessions

**August 1, 2022**

Proposals for tutorials/workshops

**August 22, 2022**

Paper submission

**September 28, 2022**

Decision notification

**October 14, 2022**

Final paper submission

### ORGANIZING COMMITTEE

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### GENERAL INQUIRY

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The 15<sup>th</sup> edition of the IEEE International Symposium on Robotic and Sensors Environments will take place as a hybrid (in-person and virtual) event on 14-15 November, 2022.

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 in PDF-format at [ROSE2022.ieee-ims.org](https://ROSE2022.ieee-ims.org). Papers must be written and presented in the conference in English only. Please consult the conference website for more details.

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.

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.

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