



IEEE INTERNATIONAL SYMPOSIUM ON
ROSE 2024
ROBOTIC AND SENSORS ENVIRONMENTS
June 20-21 2024 || Chemnitz, Germany



IEEE
INSTRUMENTATION
& MEASUREMENT
SOCIETY®

CALL FOR PAPERS

IMPORTANT DATES

February 19, 2024

Proposals for Special Sessions

February 26, 2024

Submission of Papers/
Tutorials/Workshops

April 29, 2024

Decision Notification

May 20, 2024

Final Paper Submission

June 18, 2024

Registration

ORGANIZING COMMITTEE

GENERAL CHAIRS

Wail Gueaieb

University of Ottawa, Canada

Olfa Kanoun

Chemnitz University of Technology,
Germany

TECHNICAL PROGRAM CHAIRS

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Leipzig University of Applied Sciences,
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STEERING COMMITTEE

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Emil Petriu

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GENERAL INQUIRY

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The 16th edition of the IEEE International Symposium on Robotic and Sensors Environments will take place in-person on June 20-21, 2024.

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 rose2024.ieee-ims.org. Papers must be written and presented at the conference in English only. Authors of all published or e-published papers during the year 2023 in the IEEE Transactions on Instrumentation and Measurement (TIM) or in the IEEE Open Journal of Instrumentation and Measurement (OJIM) are welcome to present their TIM or OJIM paper at ROSE 2024. Such submissions will only be screened (no formal review) to ensure that they are in fact TIM/OJIM papers published or e-published in 2023 and that they are within the scope of the conference. Please consult the conference website for more details.

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.