Call for Contributions

Note: *On site and Virtual Options*
To accommodate many situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person but are aware that special circumstances are best handled by having flexible options.

Submission:
1. Inform the Chairs: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=IARIA+Congress+2025+Special
Please select Track Preference as **SENSROB**

Special track

SENSROB: Intelligent Sensors and Deep Learning for Robot Perception and Navigation

Chairs

Prof. André Schneider de Oliveira
Prof. Ronnier Frates Rohrich
Federal University of Technology – Paraná (UTFPR), Brazil
andreoliveira@utfpr.edu.br rohrich@utfpr.edu.br

along with

IARIA Congress 2025
The 2025 IARIA Annual Congress on Frontiers in Science, Technology, Services, and Applications
July 06 - 10, 2025 - Venice, Italy

https://www.iaria.org/conferences2025/IARIACongress25.html

Robots must develop advanced capabilities to navigate and perform intricate tasks in unstructured environments. Effective perception is crucial for understanding these environments and enabling adaptive behaviours based on interactions.

This track seeks to advance the application of intelligent sensors and deep learning techniques to enhance robotic systems' capabilities. We invite contributions that explore innovative research, applications, models, approaches, projects, best practices, case studies, and products in the realm of robot perception.

Examples of subtopics for contributions include, but are not limited to:

- Spatial Perception
- Multimodal Sensors
- Multi-Perception and Fusion
- Complex Behaviours
- Intelligent Sensing
- Deep Learning-based Sensors
- Intelligent Navigation

These are only suggestions; we welcome papers discussing other issues related to digital accessibility

Important Datelines
Inform the Chairs, as soon as you decide to contribute.
- Submission: May 17
- Notification: June 6
- Registration: June 18
- Camera-ready: June 18

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Papers Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=IARIA+Congress+2025+Special
Please select Track Preference as **SENSROB**

Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

Contacts
Chairs
André Schneider de Oliveira, andreoliveira@utfpr.edu.br
Ronnier Frates Rohrich: rohrich@utfpr.edu.br
Logistics: (Steve McGuire), steve@iaria.org