

ISMCR 2026

27th International Symposium on Measurement and Control in Robotics RIO DE JANEIRO, Brazil, September 17-18, 2026

Organized by

Universidade Estácio de Sá (UNESA) /
YDUQS Educational Group

Under the Patronage of IMEKO – TC17

International Measurement Confederation
Technical Committee 17 – Measurement in
Robotics

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Aim

The ISMCR 2026 will explore advances in measurement, sensing and intelligent systems for robotics, with emphasis on autonomous systems and human-robot interaction. Continuing the tradition of previous editions, the symposium provides an international forum for the exchange of recent research results, applications and emerging trends in robotics and related technologies, fully reflecting the interdisciplinary scope of IMEKO TC17.

This edition highlights innovations connecting robotics, metrology, sensing, control, computation and simulation, addressing real-world applications such as smart mobility, industrial automation, healthcare, environmental monitoring and other domains where accurate measurement and intelligent autonomy play a central role.

The central theme of ISMCR 2026 is: **“Intelligent Robotics, Sensors and Autonomous Systems for Real-World Applications.”**

Topics

We are looking for original, high-quality contributions addressing (but not limited to) the following topics: Robot design innovations and mechanisms; sensors, smart sensors, multimodal sensing, sensor fusion, measurement reliability, calibration requirements and traceability in industrial robotic applications; advanced control systems, actuators and embedded platforms; artificial intelligence and machine learning in robotics; mobile, service, humanoid and autonomous robots; human-robot interaction, interfaces and ergonomics; telerobotics, telepresence and remote operation; augmented, mixed and virtual reality (AR/VR/MR) for robotics and simulation; motion tracking, perception systems and multisensory feedback; digital modelling, simulation platforms

and Digital Twins; medical, surgical and rehabilitation robotics; industrial automation, smart manufacturing and logistics; environmental monitoring, precision agriculture and sustainability applications; aerospace, safety, risk-prevention and defence-support applications; innovative and cross-disciplinary robotics applications integrating sensing, measurement and metrology.

Submission, presentation and publication

The official language of the symposium is English. Each paper (minimum 6 pages and maximum 10 pages, even number of pages) will be peer reviewed. Papers accepted by the Scientific Committee will be published by Springer in the Mechanisms and Machine Science series and indexed in Scopus, Ei Compendex and Web of Science. All submitted papers must be strictly prepared according to the publication guidelines. For detailed and up-to-date information, please visit the ISMCR 2026 symposium website.

Deadlines

* **Abstract submission deadline: May 20th, 2026**

* **Abstract acceptance notification: May 30th, 2026**

* **Full paper submission deadline: June 30th, 2026**

* **Full paper acceptance notification: July 30th, 2026**

* **Final camera-ready paper submission: August 10th, 2026**

Registration

Early Registration (before August 1st, 2026)

Authors and members of sponsoring institutions	100 €
Exhibitors:	250 €
Others	120 €
Students	40 €

Regular Registration

Authors and members of sponsoring institutions	120 €
Exhibitors:	300 €
Others	140 €
Students	55€

The registration fees include lunches on the symposium days, a social dinner on September 17, the ISMCR 2026 program, and the conference proceedings.

Correspondence and Registration Chair Address:

ismcr2026@yduqs.com.br

Website

<http://ismcr.org/2026-ismcr/>