



TC17



Advancing Technology
for Humanity
Galveston Bay Section

ISMCR 2023

25th International Symposium on Measurement and Control in Robotics
Iasi, Romania, September 21 – 22, 2023

Organized by

Department of Mechanical Engineering, Mechatronics and Robotics at “Gheorghe Asachi” Technical University of Iasi, Romania (TUIASI), and Technical Sciences Academy of Romania - ASTR

Under the Patronage of IMEKO – TC17

International Measurement Confederation Technical Committee 17 – Measurement in Robotics

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Aim

This symposium will focus on various aspects of research, applications and trends of robotics, advanced human-robot systems and applied technologies, e.g. in the fields of robotics, telerobotics, autonomous vehicles, simulator platforms, as well as virtual/augmented reality and 3D modelling and simulation. Like its previous editions, ISMCR 2023 serves as a forum for the exchange of recent research results and novel ideas in robotic technologies and applications; this time with specific reference to smart mobility.

Topics

We are looking for original, high-quality contributions addressing (but not limited to) the following topics:
Robot Design Innovations;
Sensors/Smart Sensors their Integration/Fusion; Advanced Controls and Actuators; Methods of Artificial Intelligence in Robotics; Humanoid, Climbing/Walking, Service, and Autonomous Robots; Anthropomorphic Robots/Mobile Robots; Tele-existence/Telepresence; Augmented Reality/Mixed Reality/Virtual Reality (VR); Communication with Realistic Sensations; Intelligent CAD and IMS; Visual/Auditory/Tactile/Force Displays; Tools and Techniques for Modeling VR Systems; Software Architectures for VR; VR Interaction and Navigation Techniques, Distributed VR Systems and Motion Tracking; VR Input and Output Devices; Innovative Applications of VR; Human Factors in VR; Evaluation of VR Techniques and Systems; Internet and

VRML Application of VR in all areas; Interactive Art and Entertainment; Education and Entertainment Robots; Medical and Healthcare Robots; Micro and Nano Robots; Innovative Robotics Applications.

Submission, presentation and publication

The official language of the symposium is English. Each paper (with a number of minimum 6 pages and maximum 10 pages; even number of pages) will be reviewed, and all the papers selected by the Scientific Committee will be published by Springer in the series “Mechanisms and Machine Science”, indexed in Scopus, Ei-Compendex and Web of Science. All submitted papers must be strictly prepared following the publication guidelines. For detailed up-to-date information, please visit the ISMCR 2023 symposium website. For those who cannot attend the symposium, online presentation will be possible.

Deadlines

Full paper submission: **July 30th, 2023**
Paper acceptance notification: August 20th, 2023
Final paper submission: September 10th, 2023

Registration

Early Registration (before September 5th, 2023)

Authors and members of sponsoring institutions	350 €
Others	400 €
Online presentation	100 €
Exhibitors	300 €/day

Regular Registration

Authors and members of sponsoring institutions	400 €
Others	500 €
Online presentation	100 €
Exhibitors	300 €/day
Students/Accompanying Persons	200 €

The fees include the lunches, gala dinner, ISMCR 2023 program and proceedings.

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<http://ismcr.org/2023-ismcr/>