



# ISMCR2022

## International Symposium Measurement and Control in Robotics-

An Event of IMEKO/TC17

Event Coordinating Units:

University of Estácio de Santa Catarina, Brazil  
IEEE Galveston Bay Section, Houston, USA and  
Clear Lake Council of Technical Societies (CLCTS), USA



## CALL FOR ABSTRACT

ONLINE EVENT DATE: September 28-30, 2022

### Theme: Robotics and Virtual Tools for a New Era.

(This ONLINE Seminar is a global event hosted by the IMEKO/TC17 and the event coordinators group members)

Abstract are solicited from prospective authors on topics related to the theme of **Robotics and Virtual Tools for a New Era**. ISMCR 2022, for its 25th event

**Highlights of the program:** 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, self-piloted electric passenger drones, simulator platforms, as well as virtual/augmented reality, Metaverse and 3D modelling and simulation. All papers will have peer reviews and will be published with IMEKO guidelines. Like its previous editions, ISMCR 2022 will serve as a forum for the exchange of recent research results and novel ideas in robotic technologies and applications in support of our theme of **Robotics and Virtual Tools for a New Era**. The topics may include but not limited to the following-

- Sensors/Smart Sensors their Integration / Fusion
- Advanced Controls and Actuators
- Methods of Artificial Intelligence in Robotics
- Humanoid, Climbing/Walking, Service, and Autonomous Robots
- Self-piloted electric passenger drones and vehicles
- Anthropomorphic Robots/Mobile Robots
- Tele-existence / Telepresence
- Augmented Reality / Mixed Reality / Virtual Reality
- Metaverse
- Artificial Intelligence / IoT
- Intelligent CAD and IMS
- Visual / Auditory / Tactile / Force Displays
- VR Interaction and Navigation Techniques, Distributed VR Systems and Motion Tracking
- VR Input and Output Devices, Innovative Applications of VR
- Education and Entertainment Robots
- Medical and Healthcare Robots
- Micro and Nano Robots
- Innovative Robotics Applications

The Symposium will have two Keynote presentations and a Tutorial. Details are available on [WWW.ISMCR.ORG](http://WWW.ISMCR.ORG)



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**The abstracts are limited to only 500 words and limited to 2 pages (12 font cambria for text). [ No paper submission is required at this time. Paper submission will be requested after abstracts approval as per the following schedule]**

Deadline to receive the abstract **Revised Date April 20th, 2022**  
Date for Approval to authors **Revised Date April 30th, 2022**  
Date to receive full paper **Revised Date May 20th, 2022**  
Date for Paper Acceptance June 17th, 2022  
Date for Camera-ready Copy July 1st, 2020

Please note the following for the event

- 1- The abstract selection committee will select the papers based on the quality and the relevance to the theme.
- 2- Initially only abstract will be submitted by authors using Easy Chair. Approved papers presented at the symposium are planned to be published in IEEE Xplore. All presentations are in English.
- 3- This is an ONLINE event. All attendees will register using Easy Chair. Event Registration Start date-May 1, 2022, Registration last date September 15th; 2022
- 4- All registrants will be provided ZOOM URL to login and only registrants will be allowed to attend ..
- 5- Authors of a number of selected presentations will be requested to submit papers **after the event** for additional possible IMEKO publication(optional) with no charges.

### Event Coordinators:

Chair- Prof Simone Keller Fuchter, University of Estácio de Santa Catarina, Brazil  
Co-Chair-Prof Kiss Balint, Budapest University of Technology and Economics, Hungary  
Program Chair-Prof Marcia Alves, University of Estácio de Santa Catarina, Brazil  
Program Co-Chair-Prof Claudio Piccolo Fernandes, University of Estácio de Santa Catarina, Brazil  
Publication Chair- Dr.Trung Pham, US Air Force Academy, Colorado, USA  
Financial Chair/Treasurer- Julian Morales, PMP, Treasurer, CLCTS, USA  
Executive Chair- Dr. Zafar Taqvi, TC17 Chair, GBS/ AES, IMS, RAS Chapters' Chair, USA

**PLEASE SUBMIT YOUR ABSTRACT BY ACCESSING TO EASY CHAIR  
OUR WEBSITE [WWW.ISMCR.ORG](http://WWW.ISMCR.ORG)**

**Registration FEES details are posted on [WWW.ISMCR.Org](http://WWW.ISMCR.Org)**

**For any questions, please contact [ismcr2022@estacio.br](mailto:ismcr2022@estacio.br)**