

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-

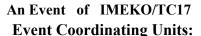
- Sensors/Smart Sensors their Integration / Fusion
- Advanced Controls and Actuators
- Methods of Artificial Intelligence in Robotics
- Humanoid, Climbing/Walking, Service, and Autonomous Robots
- Self-piloted electric passenger drones and vehicles
- Anthropomorphic Robots/Mobile Robots
- Tele-existence / 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



ISMCR2022

International Symposium Measurement and Control in Robotics-



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



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]

Date for Approval to authors

Date to receive full paper

Revised Date April 20th, 2022

Revised Date April 30th, 2022

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
Registration FEES details are posted on WWW.ISMCR.Org

For any questions, please contact ismcr2022@estacio.br