

## ADVANCE INFORMATION FOR AUTHORS

### **INTERNATIONAL SYMPOSIUM on MEASUREMENT and CONTROL in ROBOTICS (ISMCR 2019)**

**Planned in HOUSTON, Texas, USA  
September 19-21, 2019**

**Hosted by University of Houston Clear Lake  
(Near NASA Johnson Space Center in Clear Lake City)  
Organized by IMEKO TC-17  
Sponsored by IEEE Galveston Bay Section**

**THEME: “ROBOTICS FOR THE BENEFIT OF HUMANITY”**

**CALL FOR ABSTRACTS AND PAPERS will be FORTHCOMING soon  
on [WWW.ISMCR.ORG](http://WWW.ISMCR.ORG)**

The symposium will focus on various aspects of international research, applications and trends of robotic Innovations for the benefit of humanity, advanced human-robot systems and applied technologies, e.g. in the fields of robotics, telerobotics, simulator platforms and environment and mobile work machines as well as virtual reality/augmented reality and 3D modeling and simulation. The symposium will consist of keynote presentations on the state-of art technology, and topical panels. All papers will have peer review and will be published with IMEKO and IEEE Guidelines.

**symposium topics will include but not limited to the following-**

- Robot Design Innovations
- Sensors/Smart Sensors their Integration / Fusion
- Advanced Controls and Actuators
- New Power Supplies
- Methods of Artificial Intelligence in Robotics
- Humanoid , Climbing/Walking, Service, and Autonomous Robots
- Anthropomorphic Robots/Mobile Robots
- Telexistence / Telepresence
- Augmented Reality / Mixed Reality / Virtual Reality
- Communication with Realistic Sensations
- Intelligent CAD and IMS
- Visual and Auditory Displays
- Tactile and Force Displays
- Tools and Techniques for Modeling VR Systems
- Real Time Computer Simulation
- 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  
Artificial Life  
Education and Entertainment Robots  
Medical and Healthcare Robots  
Micro and Nano Robots  
Innovative Robotics Applications

**DEADLINES:**

ABSTRACT Submission: 19<sup>th</sup> April, 2019

ACCEPTANCE of Abstracts to authors: May 9<sup>th</sup>, 2019

SUBMISSION of full paper for review: June 9<sup>th</sup>, 2019

NOTIFICATION of paper acceptance: July 15<sup>th</sup>, 2019

SUBMISSION of camera ready paper: August 15<sup>th</sup>, 2019

- Highlight of the symposium will include two Keynotes, two luncheon special presentations, 45 technical papers, visit to local robotics lab and a special dinner treat at Space Center Houston.
- Proceeding of all accepted papers will be available in memory media. IEEE Xplore is being contacted for their publication. Selected papers with modifications and additional review will be eligible for ACTA IMEKO, the quality publication of IMEKO.
- All authors and attendees will be required to register for the event. Papers of only those who register will be published.
- Symposium will start with reception on Thursday, September 19<sup>th</sup> evening and end with Lab visit Saturday September 21<sup>st</sup> afternoon.

**THIS IS AN ADVANCE INFORMATION TO THE AUTHORS BEFORE OUR WEBSITE IS READY WHICH WILL HAVE ALL INFORMATION ON REGISTRATION, PROGRAM SCHEDULE, HOTEL INFORMATION, VISA REQUIREMENT (AND HELP) ETC. In the meantime prospective authors can contact either Dr. Zafar Taqvi, International Program Committee Chair at [Z.Taqvi@IEEE.Org](mailto:Z.Taqvi@IEEE.Org) or Dr Thomas Harman, Technical Program Chair at [Harman@uhcl.edu](mailto:Harman@uhcl.edu)**