

PROGRAM (Advance)

for **A VIRTUAL Topical Event** of

Technical Committee on Measurement and Control of Robotics (TC17)
International Measurement Confederation

THEME: "Virtual Media Technologies for the Post COVID-19 era"

Event Coordinators:

Prof. Masahiko Inami/The University of Tokyo, Japan

Prof. Simone Keller Fuchter/University of Estácio de Santa Catarina -Brazil

Logistic Hosts: IEEE Region 5 Galveston Bay Section

Friday October 1, 2021

Time- US Central (Houston, Chicago)

**6:00AM-11:00AM US-Central, 8:00AM-01:00PM Brazil, 1:00PM-6:00 PM Central Europe,4:30 PM-9:30 PM India
8:00PM-1:00AM Japan**

6:00 AM US-Central	Welcome TC-17 Chair: Dr Zafar Taqvi Event Coordinators: Prof. Masahiko Inami and Prof Simone Keller Fuchter
6:05 AM	Keynote Speaker: Hiroyuki Shinoda, Professor, The University of Tokyo Presentation: Materialized graphics as an extended robot to measure and drive humans
	VR/ AR and Other Virtual Medias: Human – Computer Interface
6:35 AM	Motor Point Search for Electrical Muscle Stimulation Using Electrodes Array Seito Matsubara, Taiga Suzuki, Sohei Wakisaka, Kazuma Aoyama, Masahiko Inami The University of Tokyo, Japan
6:50 AM	Virtual reality simulation for human factors identification Ivan de Souza Rehder, Edmar Thomaz da Silva, Emilia Villani, Instituto Tecnológico de Aeronáutica – ITA, Brazil: ivan.rehder@ccm-ita.org.br , edmar.thomaz@ccm-ita.org.br , emilia.villani@ccm-ita.org.br
7:05 AM	Augmented Reality in Science Days: an interactive tool on different human-computer interfaces Jefferson Michaelis, KSC International Academy, USA : jm@michaelisfoundation.org
7 :20 AM	Augmented Touching Surfaces with Deep Learning and RGB-D Sensing Fujian Yan ; Hongsheng He, Wichita State University, USA: fxyan@shockers.wichita.edu , hongsheng.he@wichita.edu
7:35 AM	Effects of Thermal Presentation According to the Other's Gaze in Remote Communication Sosuke Ichihashi, Arata Horie, Zendai Kashino, Shigeo Yoshida, Masahiko Inami The University of Tokyo, Japan
	Virtual / Augmented Reality/Telepresence: Engineering and applications
8:00 AM	Towards augmented reality for aircraft maintenance Gabriel de Oliveira Cruz do Prado, Ezequiel Roberto Zorzal, ICT/UNIFESP, Instituto de Ciência e Tecnologia, Universidade Federal de São Paulo, Brazil: prado.ime@gmail.com , ezorzal@unifesp.br
8:15 AM	Methods and steps to interface Lab VIEW with Arduino for two tank water level monitoring system Aishwarya Patted, VTU Basaveshwar Engineering College Bagalkot, India : aishwaryapatted8@gmail.com
8:30 AM	Field Research with the T-Leap Wearable Telepresence System in Shibuya, Tokyo: Findings and Future Tomoya Hirata, Daisuke Uriu, Takeru Yazaki, Zendai Kashino, I-Hsin Chen, Sheng-Wen Kuo, Kang-Yi Liu, Yi-Ya Liao, Ju-Chun Ko, Chien-Hsu Chen, Masahiko Inami The University of Tokyo, Japan
8:45 AM	Experiment Assisting System with Local Augmented Body (EASY-LAB) for the post COVID-19 era

	Ahmed AlSereidi, Yukiko Iwasaki, Joi Oh, Takumi Handa, Vitvasin Vimolmongkolporn, Fumihiro Kato, Hiroyasu Iwata Waseda University, Japan
9:00 AM	A new mask for a new normal Zendai Kashino, Daisuke Uriu, Masahiko Inami, The University of Tokyo, Japan
	Virtual / Augmented Reality and Education
9:10 AM	Standards and Affordances of 21 st Century Digital Learning: Using ARLEM and xAPI to Track Bodily Engagement and Learning in XR (VR, AR, MR) Karen Alexander , Jennifer Rogers, XRconnectED, USA : Karen@XRconnectED.com
9:25 AM	An Approach to Smart Stores to tackle post-pandemic challenges Nalin Saxena, Shrilaxmi Bhat, PES University Bangalore, India: nalinsaxena@pesu.pes.edu , shrilaxmi.bhat@gmail.com
9:40 AM	Augmented Reality to Enhance Learning in Secondary Education During COVID-19 through Open Schooling Eliane Pozzebon , Josete Mazon , Iane Franceschet De Sousa, Julio Augusto da Rosa Carraro, Alexandre Marino Costa, Alexandra Okada- Federal University of Santa Catarina,Brazil and Open University, United Kingdom : eliane.pozzebon@ufsc.br , josete.mazon@ufsc.br , ianefran@gmail.com , julio.carraro@outlook.com , marinocad@gmail.com , alexandra.okada@gmail.com
9:55 AM	AREL - Augmented Reality - Based Enriched Learning Experience V Geetha, Dr. T. Mala, Anna University, India : geethu15@gmail.com , mala@auist.net
10:15 AM	Digital Tools in the Post-COVID-19 Age as a Part of Robotic System for Adaptive Joining of Objects Zuzana Kovarikova, Frantisek Duchon, Andrej Babinec, Dusan Labat, Slovakia : andrej.babinec@stuba.sk , dusan.labat@outlook.sk , kovarikova@vuez.sk , frantisek.duchon@stuba.sk
10:30 AM	VIRTUAL Video Lab Tour, The University of Tokyo Japan
11:00 AM	Concluding Remarks

Updates of the program will be posted on www.ISMCR.ORG. Registration is LIMITED to 100 registrants, is FREE and is available at <https://events.vtools.ieee.org/m/278726>. PLEASE NOTE that it will close a week before the event.