

RTT2020 Workshop Program

Date: **September 8th 2020, 15.00h CET.**

- 15:00 Opening - Marina Indri and Antoni Grau, RTT2020 Workshop organizers
- 15:05 *Towards Digital Twins for Industrial Assembly - Improving Robot Solutions by Intuitive User Guidance and Robot Programming*
Lars Carøe Sørensen, Simon Mathiesen, Ralf Waspe, Christian Schlette (Maersk McKinney Moller Institute, University of Southern Denmark)
- 15:30 *Online supervised global path planning for AMRs with human-obstacle avoidance*
Marina Indri, Fiorella Sibona, Pangcheng David Cen Cheng (Politecnico di Torino, Italy), Corrado Possieri (Consiglio Nazionale delle Ricerche, Italy)
- 15:55 *Automatized Insertion of Multipolar Electrical Plugs by Means of Force Controlled Industrial Robots*
Michael Ortner, Stefan Gadringer, Hubert Gattringer, Andreas Mueller (Johannes Kepler University Linz, Austria), Ronald Naderer (FerRobotics Compliant Robot Technology GmbH, Austria)
- 16:20 *Augmented Reality for robot control in low-cost automation context and IoT*
William Montalvo (Universidad Politecnica Salesiana UPS, Ecuador), Santiago Chilibinga, Santiago Manzano (Universidad Tecnica de Ambato UTA, Ecuador), Marcelo V. Garcia (University of the Basque Country UPV/EHU, Spain, and Universidad Tecnica de Ambato UTA, Ecuador)
- 16:45 *Break, with possible free discussion and comments*
- 17:00 **Invited talk:** Prof. Milos Manic, Director, VCU Cybersecurity Center, Virginia Commonwealth University, title: **The Future of AI in Automation, Manufacturing, and Robotics: Trustworthy, secure, physics enhanced, and human centered**
- 17:30 **Round Table:** How to foster technology transfer in Robotics? How to face problems with Covid pandemia?
Panelists: Prof. Marina Indri (Politecnico di Torino), Prof. Antoni Grau (Technical Univ. of Catalonia UPC), and Prof. Milos Manic (Virginia Commonwealth University)
Open discussion among attendees
- 18:15 Workshop Closing