

RTT2018 Workshop Program

Date: **September 4th 2018, 14.00h.**

- 14.00 Opening - Marina Indri and Antoni Grau, RTT2018 Workshop organizers
- 14:05 *Reconfigurable robotic solution for effective finishing of complex surfaces*
Sebastian Hähnel (Fraunhofer Institute for Production Technology, Aachen, Germany), Fabio Pini, Francesco Leali (University of Modena and Reggio Emilia, Italy), Olaf Dambon, Thomas Bergs, Thomas Bletek (Fraunhofer Institute for Production Technology, Aachen, Germany)
- 14:25 *Verification and Timing Analysis of Industry 4.0 Warehouse Automation Workflows*
Ajay Kattepur, Arijit Mukherjee & Balamuralidhar P. (TCS Research & Innovation, India)
- 14:45 *Integration of a production efficiency tool with a general robot task modeling approach*
Marina Indri, Stefano Trapani (Politecnico di Torino, Italy), Andrea Bonci, Massimiliano Pirani (Università Politecnica delle Marche, Italy)
- 15:05 *Free discussion and comments*
- 15:15 *Sustainable Robotics Solutions in Smart Cities. The Challenge of the ECHORD++ Project*
Antoni Grau, Yolanda Bolea, Ana Puig-Pey, Alberto Sanfeliu, Josep Casanovas (Technical Univ. of Catalonia UPC, Spain)
- 15:35 *Flexible Robotic Teleoperation Architecture Under IEC 61499 Standard for Oil & Gas Process*
Carlos A. Garcia (Universidad de las Fuerzas Armadas ESPE, Ecuador), José E. Naranjo (Universidad Tecnica de Ambato UTA, Ecuador), Marcelo V. Garcia (University of Basque Country, Spain)
- 15:55 *Free discussion and comments*
- 16:05 *Coffee break*
- 16:30 *Low-Cost Cyber-Physical Production Systems for Industrial Control Robots under IEC 61499*
Carlos A. Garcia (Universidad de las Fuerzas Armadas ESPE, Ecuador), José E. Naranjo (Universidad Tecnica de Ambato UTA, Ecuador), Marcelo V. Garcia (University of Basque Country, Spain)
- 16:50 *Free discussion and comments*
- 17:00 **Round Table:** How to foster technology transfer in Robotics?
Panelists: Dr. Ing. Arturo Baroncelli (Past President IFR, Engelberger Prize), Ing. Alessio Cocchi (Universal Robots), Prof. Marina Indri (Politecnico di Torino), Prof. Antoni Grau (Technical Univ. of Catalonia UPC)
Open discussion among attendees
- 17:30 Workshop Closing