

Robotic manipulation: mechatronic tools, modeling, identification and control

Program

Time is Central European Time (Berlin time)

13:00 - 13:10	<i>Introduction to the workshop</i>
13:10 - 13:40	Markus Grebenstein , DLR Institute of Robotics and Mechatronics, Germany <i>Mechatronic tools and robotic hardware for manipulation task</i>
13:40 - 14:10	Micky Rakotondrabe , Laboratoire Génie de Production, National School of Engineering in Tarbes (ENIT-INPT), University of Toulouse, Tarbes, France <i>Smart materials based mechatronic systems for robotic manipulation</i>
14:10 - 14:40	Mathieu Grossard , Robotics Laboratory, CEA LIST, Paris, France <i>Considering flexibilities in the design and control of robotic manipulators</i>
14:40 - 15:10	Chee Pin Tan , Monash University, Malaysia <i>State estimation for hand-based manipulation and grasping.</i>
15:10 - 15:30	<i>coffee break (let's take it together) and free questions to all speakers</i>
15:30 - 16:00	Fabio Ruggiero , Prisma lab. University of Naples Federico II, Italy <i>Nonprehensile Dynamic Manipulation</i>
16:00 - 16:30	Arash Ajoudani , IIT Central Research Labs Genova, Italy. <i>From visuospatial cognition to robotic manipulation through exploration</i>
16:30 - 17:00	Mourad Benoussaad , Laboratoire Génie de Production, National School of Engineering in Tarbes (ENIT-INPT), University of Toulouse, Tarbes, France <i>Modeling and control of the whole human-robot system for interaction and co-manipulation</i>
17:00	End of the workshop

Info: this workshop is with the activities of the IFAC TC.4.2 Mechatronics and TC.4.3 Robotics

