

1st online European PhD days on Miniaturized Robotics

15th
june
22

SCIENTIFIC PROGRAM

9:15 - 9:30 Welcome talk

1st Session - 9h30 - 10h10

GROUP	First name	Last name	Affiliation	Poster Title
A	Laure	KOEBEL	FEMTO-ST	Microfluidic Chip Combining Dielectrophoretic and Hydrodynamic Cells Trapping
	Stefano	PANE	Scuola Superiore Sant'Anna	Advanced ultrasound imaging for monitoring and controlling microrobots in the body
	Freddy José	ROMERO LEIRO	ISIR	Correction of angular deviations in AFM samples from generic topographic data
B	Masil	ATTOU	INSA VAL DE LOIRE	MICROSWARM PROJECT : Development of Magnetic Microrobotic Swarm and Platform for Minimally invasive Anti-adhesion Treatment After Tubal Cannulation
	Giovanni	FAORO	Scuola Superiore Sant'Anna	Microrobot 3D visual servoing: envisioning an US-based Deep Learning approach
	Ogulcan	ISITMAN	Aalto University	Simultaneous and Independent Micromanipulation of Two Particles with Robotic Electromagnetic Needles
	Nahashon	OSINDE	FEMTO-ST	Quantitative and Experimental Assessment of Optical Coherence Tomography Volumes Obtained Using Non-raster Trajectories

10:10 - 10:40 Networking session

SCIENTIFIC PROGRAM

2nd Session - 10h40- 11h20				
GROUP	First name	Last name	Affiliation	Poster Title
B	Masil	ATTOU	INSA VAL DE LOIRE	MICROSWARM PROJECT : Development of Magnetic Microrobotic Swarm and Platform for Minimally Invasive Anti-adhesion Treatment After Tubal Cannulation
	Giovanni	FAORO	Scuola Superiore Sant'Anna	Microrobot 3D visual servoing: envisioning an US-based Deep Learning approach
	Ogulcan	ISITMAN	Aalto University	Simultaneous and Independent Micromanipulation of Two Particles with Robotic Electromagnetic Needles
	Nahashon	OSINDE	FEMTO-ST	Quantitative and Experimental Assessment of Optical Coherence Tomography Volumes Obtained Using Non-raster Trajectories
C	Gilles	DECROLY	ULB (TIPS-BEAMS depts)	Advanced Kinematics Based on Digital Manufacturing of Active Materials
	Ece	OZELCI	EPFL	Body axis morphogenesis of zebrafish embryos using robot-assisted tissue micromanipulation
	Ivan	TCHOUATAT KEPSEU	FEMTO-ST	Trajectory planning for 3D dexterous in-hand robotic micro-manipulation.

1st Session - 11h20 - 12h00				
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C	Gilles	DECROLY	ULB (TIPS-BEAMS depts)	Advanced Kinematics Based on Digital Manufacturing of Active Materials
	Ece	OZELCI	EPFL	Body axis morphogenesis of zebrafish embryos using robot-assisted tissue micromanipulation
	Ivan	TCHOUATAT KEPSEU	FEMTO-ST	Trajectory planning for 3D dexterous in-hand robotic micro-manipulation.
A	Laure	KOEBEL	FEMTO-ST	Microfluidic Chip Combining Dielectrophoretic and Hydrodynamic Cells Trapping
	Stefano	PANE	Scuola Superiore Sant'Anna	Advanced ultrasound imaging for monitoring and controlling microrobots in the body
	Freddy José	ROMERO LEIRO	ISIR	Correction of angular deviations in AFM samples from generic topographic data