

One-day Online Workshop on Novel Features and Applications of Optical Manipulation

	10:20-10:40	20'	Opening	Ali Naji Ali-Reza Moradi
Session 1 Ali Naji	10:45-11:55	70'	Giovanni Volpe University of Gothenburg, Sweden	Overview of optical trapping 15' Deep learning for microscopy and optical manipulation
	12:00-12:55	55'	Kishan Dholakia University of St Andrews, UK	Let Nothing slow you down: Optical trapping in vacuum
Session 2 Jalal Sarabadani	14:00-14:55	55'	Onofrio Maragò CNR-IPCF, Messina, Italy	Optical tweezers on nanostructures
	15:00-15:55	55'	Fatemeh Kalantarifard Bogaziçi University, Turkey	Intra-cavity optical tweezers
Session 3 Enrico Ferrari	16:30-17:25	55'	Sameneh Rezvani PicoQuant, Germany	Cell response to biochemical and mechanical manipulation probed with optical tweezers
	17:30-18:25	55'	Valentina Emiliani Vision Institute, France	Holographic manipulation of neuronal circuits
	18:30-18:40	10'	Closing	