



The Center for
Light Matter Interaction
Tel Aviv University



INO (Italy) - TAU

Joint workshop in photonics

Tuesday, March 21st, 2017

Auditorium 011, Engineering Class Room Building,
Faculty of Engineering, Tel-Aviv University

9:00-9:15	Get together (+coffee and cookies)	
9:15 – 9:30	Greetings	
9:30 – 10:00	Maurizio De Rosa (INO-Napoli)	Frequency comb generation in quadratically nonlinear cavities
10:00 – 10:30	Ady Arie (TAU, EE)	Nonlinear hologram for spatial and spectral shaping
10:30 – 11:00	Pasquale Maddaloni (INO-Napoli)	Precision spectroscopy of buffer-gas-cooled molecular beams
11:00 – 11:15	Coffee Break	
11:15 – 11:45	Oliver Morsch (INO-Pisa)	Robust and perfectly adiabatic control of two-level quantum systems
11:45 – 12:15	Haim Suchowski (TAU, Phys)	Octave spanning mid-IR pulses for near-field spectroscopy
12:15 – 12:45	Simone Borri (INO-Sesto and LENS)	Whispering gallery mode stabilization of quantum cascade lasers for infrared sensing and spectroscopy
12:45 – 13:15	Alon Bahabad (TAU, EE)	Applications of optical super-oscillations
13:15– 14:30	Lunch Break	
14:30 – 15:00	Gabriele Santambrogio (INRIM and LENS)	Cold molecules on a chip for precision frequency measurements
15:00– 15:30	Sharly Fleischer (TAU, Chem)	coherent radiative decay of molecular rotations
15:30 – 16:00	Francesco Cappelli (INO-Sesto and LENS)	Towards the full frequency stabilization of quantum cascade laser frequency combs for infrared metrology
16:00 – 16:30	Yael Roichman (TAU, Chem)	Dynamic photonic materials by holographic optical tweezers
16:30 – 16:45	Concluding Remarks	
16:45 – 17:30	Wine and Cheese	

Participation in this workshop is free of charge but advanced registration is required at : <https://goo.gl/forms/uwXaiUKDLKf9YVJ13>