

TAU-University of Bath Joint Workshop on Photonics and Metamaterials

Wednesday, May 18th, 2022

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

This is a joint workshop of the University of Bath (UK) and Tel-Aviv University, to present and discuss recent developments in the fields of Photonics and Metamaterials.

8:30-9:00	<i>Get together (+coffee and refreshments)</i>	
9:00 - 9:10	Greetings	
9:10 – 9:40	Itai Epstein	Extreme Light-2D matter Interaction at the Atomic Scale
9:40 – 10:10	Dmitry Skryabin	From frequency combs to topology in space and time
10:10 – 10:40	Tal Carmon	Plasma Microresonators
10:40 – 11:00	<i>Coffee Break</i>	
11:00 – 11:30	Euan Allen	Integrated large-scale detection arrays for neuromorphic and quantum applications
11:30 – 12:00	Haim Suchowski	Detuned-modulated composite design for robust quantum integrated photonics
12:00 – 12:30	Peter Mosley	Engineering ultra-broadband quantum network interconnects in photonic crystal fibre
12:30 – 13:00	Ady Arie	Quantum nonlinear holograms for generation of spatial qubits
13:00 – 14:00	<i>Lunch Break</i>	
14:00– 14:30	Kristina Rusimova	Hollow core optical fibres for alkali vapour spectroscopy
14:30 – 15:00	Boris Malomed	On-demand harnessing of photonic soliton molecules
15:00 – 15:30	Ventsislav Valev	Nonlinear chiroptical scattering from plasmonic and semiconductor nanoparticles
15:30 – 16:00	Gil Markovich	Symmetry breaking in chiral nanocrystals
16:00 – 16:10	Concluding Remarks	
16:15 – 17:00	<i>TBD</i>	

Participation in this workshop is free of charge but advanced registration is required.