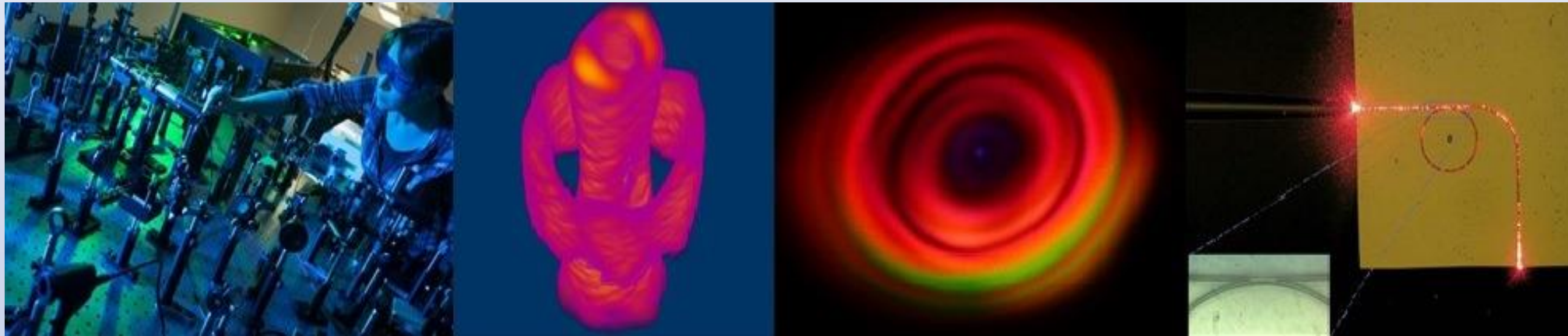


# TAU-University of Bath Joint Workshop on Light-Matter Interaction



## Workshop program:

10:00-10:15	<b>Get together, coffee, and refreshments</b>	
10:15-10:20	<b>Greetings</b>	
10:20-10:50	<b>Boris Malomed</b>	Spontaneous symmetry breaking in nonlinear optics
10:50-11:20	<b>Dmitry Skryabin</b>	Soliton and topological physics with microcavity polaritons
11:20-11:50	<b>Ady Arie</b>	Structured super oscillating beams of photons and electrons
11:50-12:05	<b>Coffee Break</b>	
12:05-12:35	<b>Tal Schwartz</b>	Strong coupling in organic cavities: Quantum optics for molecular chemistry
12:35-13:05	<b>Andrey Gorbach</b>	Nonlinear graphene plasmonics: manipulating light on a surface
13:05-13:35	<b>Pavel Ginzburg</b>	Nonlinear and nonlocal surface plasmonics
13:35-14:05	<b>Ventsislav Valev</b>	Second harmonic generation chiroptical effects in plasmonic nanostructures
14:05-15:00	<b>Lunch Break2</b>	
15:00-15:30	<b>Haim Suchowski</b>	Octave spanning mid-IR pulses for near field spectroscopy
15:30-16:00	<b>Steve Andrews</b>	Time Domain Terahertz Photonics - an overview of work on materials and devices at terahertz frequencies in Bath
16:00-16:30	<b>Sharly Fleischer</b>	Rotational control of asymmetric molecules: dipole- versus polarizability- driven rotational dynamics
16:30-17:00	<b>Peter Mosley</b>	Shape, sieve, and switch: engineering single photons for quantum technologies
17:00-17:15	<b>Concluding Remarks</b>	
17:15-18:00	<b>Wine and Cheese</b>	