

CONFERENCE PROGRAMME

SUNDAY-17 APRIL / SEASIDE HOUSE

14:00 –	Arrival and Registration
19:00 – 21:00	Dinner

MONDAY-18 APRIL / SEASIDE HOUSE

07:00 – 08:45	Breakfast
08:45 – 09:00	Opening
09:00 – 09:45	Klaus Mølmer <i>“Precision measurements – the noisier the better!”</i>
09:45 – 10:15	Yuimaru Kubo <i>“SU(3) spin-nematic squeezing in a collective spin-1 atomic system”</i>
10:15 – 10:45	Emanuele Dalla Torre <i>“Adiabatic Crossing of Many-body Resonances”</i>
10:45 – 11:15	Coffee Break
11:15 – 12:30	Poster Preview
12:30 – 14:30	Lunch
14:30 – 15:15	Franco Nori <i>“Extraordinary properties of light including the Quantum spin Hall effect of light”</i>
15:15 – 16:30	Poster Preview
16:30 – 17:15	Tea Break
17:15 – 19:00	Poster Session
19:00 – 21:00	Dinner

TUESDAY-19 APRIL/ OIST CAMPUS (LECTURES@B250)

07:00 – 08:15	Breakfast
	(8:20 Transfer to OIST Campus)
09:00 – 09:45	Anna Minguzzi <i>“Quantum teleportation with macroscopic material objects”</i>
09:45 – 10:30	Tilman Esslinger <i>“Quantized Conductance in Neutral Matter”</i>
10:30 – 11:00	Coffee Break
11:00 – 11:45	Isabelle Bouchoule <i>“Two-body momentum space correlations in a one-dimensional Bose gas”</i>
11:45 – 12:00	Conference Photo
12:00 – 12:15	OIST Campus Tour (Transfer to the bus with a lunch box)
12:30 –	Excursion
19:00 – 21:00	Dinner at a Restaurant “Uraniwa” (The bus departure time - 21:10)

WEDNESDAY-20 APRIL/ SEASIDE HOUSE

07:00 – 09:00	Breakfast
09:00 – 09:45	Alexander Fetter <i>“Vortex dynamics in coherently coupled Bose-Einstein condensates”</i>
09:45 – 10:15	Angela White <i>“Superflows in multicomponent BECs”</i>
10:15 – 10:45	Nadine Meyer <i>“Dark soliton like excitations in a disk shaped Bose-Einstein Condensate”</i>
10:45 – 11:15	Coffee Break
11:15 – 12:00	Kiyotaka Aikawa <i>“Towards understanding the collisional dynamics of cold nanoparticles”</i>
12:00 – 12:30	Michael Hush <i>“Fast machine-learning online optimization of ultra-cold-atom experiments”</i>
12:30 – 14:30	Lunch
14:30 – 15:15	Rejish Nath <i>“Information thermodynamics and fluctuation theorems”</i>
15:15 – 15:45	Lara Torralbo-Campo <i>“Towards Coherence Measurements of Rydberg Atoms with All-Optical Detection”</i>
15:45 – 16:15	Thomas Boulier <i>“Anomalous broadening in driven dissipative Rydberg systems”</i>
16:15 – 17:00	Tea Break
17:00 – 17:45	Yanhong Xiao <i>“Precision spectroscopy and quantum control with coherence diffusion”</i>
17:45 – 19:00	Poster Session
19:00 – 21:00	Dinner

THURSDAY-21 APRIL/ SEASIDE HOUSE

07:00 – 09:00	Breakfast
09:00 – 09:45	Gavin Brennen <i>“Practical quantum simulators for quantum field theory”</i>
09:45 – 10:15	Jingbo Wang <i>“Directed and controlled quantum walks via generalised PT symmetry”</i>
10:15 – 10:45	Thanh Phuc Nguyen <i>“Controlling and Probing non-Abelian Emergent Gauge Potentials”</i>
10:45 – 11:15	Coffee Break
11:15 – 12:00	Sile Nic Chormaic <i>“Manipulating atoms using optical nanofibres”</i>
12:00 – 12:30	Tal Carmon <i>“Coherent Control of a Hybrid Optocapillary Resonator and an Experimental Demonstration of a Ripplon”</i>
12:30 – 14:30	Lunch
14:30 – 15:15	Martin Weitz <i>“Bose-Einstein Condensation of Photons and Periodic Potentials for Light”</i>
15:15 – 15:45	John Goold <i>“Correlations and energy transfer in many-body localized systems”</i>
15:45 – 16:15	Juan Diego Jaramillo <i>“Boosting performance of a quantum heat engine with an interacting-Bose gas as a working medium”</i>
16:15 – 17:00	Tea Break
17:00 – 19:00	Free Time
19:00 -	BBQ Dinner

FRIDAY-22 APRIL / SEASIDE HOUSE

07:00 – 09:00	Breakfast
	Departure (Lab Tours)