

ULTRACOLD ATOMS JAPAN 2024

THURSDAY-11 April / SEASIDE HOUSE

7:30-9:00	Breakfast
9:00-9:45	Jae-yoon Choi <i>Far from equilibrium dynamics and quantum Kelvin-Helmholtz instability in strongly ferromagnetic spinor condensates.</i>
9:45-10:15	Lucas Happ <i>Dependence of three-body resonance lifetimes on the mass ratio and dimensionality</i>
10:15-10:45	Abel Beregi <i>Full counting statistics of interference contrast of 2D bilayer gases across the BKT phase transition</i>
10:45-11:15	Coffee Break
11:15-12:00	Shoichi Okaba <i>Continuous generation of an ultracold atomic beam using crossed moving optical lattices</i>
12:00-12:30	Masaya Nakagawa <i>Topological Maxwell's demon</i>
12:30-14:00	Lunch Time
14:00-14:45	Kousuke Shibata <i>Precise magnetometer with a Bose-Einstein condensate</i>
14:45-15:15	Hiroki Takahashi <i>Ion trap cavity QED</i>
15:15-15:45	Luca Asteria <i>Microscopy of ultracold atoms in optical lattices via quantum gas magnification</i>
15:45-16:30	Tea Break
16:30-17:15	Yu-Ju Lin <i>Vortex nucleations in spinor Bose condensates under localized synthetic magnetic fields</i>
17:15-19:00	Poster Session
19:00-20:30	Dinner

FRIDAY-12 April / SEASIDE HOUSE

7:30-9:00	Breakfast
9:00-9:45	Masahito Ueda <i>Beyond-Hermitian Quantum Physics</i>
9:45-10:15	William Faugno <i>Density-Difference-Dependent Hopping and Localized States in Optical Lattices</i>
10:15-10:45	Pascal Naidon <i>Renormalised quantum defect theory of Feshbach resonances</i>
10:45-11:15	Coffee Break
11:15-12:00	Ippei Danshita <i>Hilbert space fragmentation and quantum many-body scars in Bose-Hubbard systems</i>
12:00-12:30	Leilee Chojnacki <i>Gravitational wave analogues in spin nematics and cold atoms</i>
12:30-14:00	Lunch Time
14:00-14:30	Mohamed Boubakour <i>Dynamical Invariant based shortcut to equilibration in open quantum systems</i>
14:30-15:00	Somnath Maity <i>Kinetically constrained models constructed from dissipative quantum dynamics</i>
15:00-15:30	Tianqi Chen <i>Surface roughness and KPZ scaling in Quantum Many-Body Systems</i>
15:30-16:15	Tea Break
16:15-16:45	Lewis Ruks <i>Light propagation through layered atomic arrays</i>
16:45-19:00	Free Time
19:00-20:30	Dinner

SATURDAY-13 April / SEASIDE HOUSE

7:30-	Breakfast
10:00-	Departure