

Sunday 7 July

16.00 - 19.00	Conference Registration (Level 5 foyer)
17.00 - 19.00	Welcome Reception Room: Queenstown & Clancy's

Monday 8 July

8:00	Conference Registration
9:00	Welcome and Opening
9:10	Plenary - Eric Cornell Room: Coronet & Remarkables
10:00	Invited Talk - Andrew Truscott Room: Coronet & Remarkables
10:40	Morning Tea Location: Queenstown & Wakatipu Room
11:10	Invited Talk - Leticia Tarruell Room: Coronet & Remarkables
11:50	Invited Talk - Lauriane Chomaz Room: Coronet & Remarkables
12:30	Lunch Location: Bazaar Restaurant, Level 6
14:00	Plenary - Ana Maria Rey Room; Coronet & Remarkables
14:50	Invited Talk - Warwick Bowen Room: Coronet & Remarkables
15:30	Hot Topic Talk - Aidan Arnold Room: Coronet & Remarkables
16:00	Afternoon Tea Location: Queenstown & Wakatipu Room
16:00 - 18:30	Poster Session Room: Clancy's & Level 5 foyer See end of programme for list of posters

Tuesday 9 July

8:00	Conference Registration
9:10	Plenary - Tilman Pfau Room: Coronet & Remarkables
10:00	Invited Talk - Elena Ostrovskaya Room: Coronet & Remarkables
10:40	Morning Tea Location: Queenstown & Wakatipu Room
11:10	Invited Talk - Chris Vale Room: Coronet & Remarkables
11:50	Invited Talk - Andrew Wilson Room: Coronet & Remarkables
12:30	Lunch Location: Bazaar Restaurant, Level 6
14:00	Free/ Afternoon Excursions

Wednesday 10 July

8:30	Conference Registration
9:10	Plenary - Jun Ye Room: Coronet & Remarkables
10:00	Invited Talk - Murray Barrett Room: Coronet & Remarkables
10:40	Morning Tea Location: Queenstown & Wakatipu Room
11:10	Invited Talk - Meng Khoon Tey Room: Coronet & Remarkables
11:50	Hot Topic Talk -Scott Parkins Room: Coronet & Remarkables
12:20	Lunch Location: Bazaar Restaurant, Level 6
14:10	Plenary - Jelena Vuckovic Room; Coronet & Remarkables
15:00	Hot Topic Talk - Patrick Ledingham Room: Coronet & Remarkables
15:30	Hot Topic Talk - Xiaodong He Room: Coronet & Remarkables
16:00	Afternoon Tea Location: Queenstown & Wakatipu Room
17:30 - 22:00	Conference Dinner Location: Walter Peak Station

Thursday 11 July

8:30	Conference Registration
9:10	Invited Talk - Howard Carmichael Room: Coronet & Remarkables
9:50	Plenary - Yuri van der Werf & Ken Baldwin Room: Coronet & Remarkables
10:40	Morning Tea Location: Queenstown & Wakatipu Room
11:10	Invited Talk - Mark Kasevich Room: Coronet & Remarkables
11:50	Invited Talk - Niels Kjaergaard Room: Coronet & Remarkables
12:30	Lunch Location: Bazaar Restaurant, Level 6
14:00	Plenary - Holger Mueller Room; Coronet & Remarkables
14:50	Invited Talk - Zheng-Tian Lu Room: Coronet & Remarkables
15:30	Hot Topic Talk - Lisa Woerner Room: Coronet & Remarkables
16:00	Afternoon Tea Location: Queenstown & Wakatipu Room
16:30-18:30	Poster Session Room: Clancy's & Level 5 foyer See end of programme for list of posters

Friday 12 July

8:30	Conference Registration
9:20	Invited Talk - Julian Leonard Room: Coronet & Remarkables
10:00	Invited Talk - Andrew Daley Room: Coronet & Remarkables
10:40	Morning Tea Location: Queenstown & Wakatipu Room
11:10	Hot Topic Talk - Tilman Zibold Room: Coronet & Remarkables
11:40	Hot Topic Talk - Harry Levine Room: Coronet & Remarkables
12:10	Lunch Location: Bazaar Restaurant, Level 6

Posters

- 4 | Ultracold strontium atoms in a high-finesse optical ring microcavity | Mathieu Bertrand
- 5 | Observation of bound state self-interaction in the above-threshold collisions of ultracold atoms | Ryan Thomas
- 7 | MAGIS-100: Matter-wave Atomic Gradiometer Interferometric Sensor to Probe the Dark Sector and Primordial Gravitational Waves | Swapan Chattopadhyay
- 8 | Polarization-Entangled Photons from Warm Atomic Ensemble using Sagnac Interferometer | Han Seb Moon
- 10 | Multi-orbital Fermi polarons in a two-dimensional gas of ytterbium-173 | Nelson Darkwah Oppong
- 11 | Plasma Spectroscopy on Metastable Ions | Frederick Skiff
- 12 | Free-space coupling to Terahertz micro-resonator | Rainer Leonhardt
- 13 | Excitations of a vortex line in an elongated dipolar condensate | Au-Chen Lee
- 14 | Experimental Study of Delocalization of Matter Waves With Bose Einstein Condensate | Khemendra Shukla
- 15 | The study of hydrogen on the performance of p-type transparent LaCuOS film | Nengduo Zhang
- 16 | Attractive force on atoms due to blackbody radiation | Philipp Haslinger
- 17 | Ultrahigh-Precision Measurement of the $n = 2$ Triplet P Fine Structure of Atomic Helium Using Frequency-Offset Separated Oscillatory Fields | Taylor Skinner
- 18 | Phase ordering of an easy-plane ferromagnetic spin-1 condensate | Blair Blakie
- 19 | Influence of Many-Body Effects on the Sensitivity of the Electron Electric Dipole Moment Obtained From YbOH | Nanako Shitara
- 20 | Rotational tuning of the dipole-dipole interaction in a Bose gas of magnetic atoms | Danny Baillie
- 21 | Ytterbium optical lattice clocks: new performance levels, comparisons with other clocks, and tests of new physics | Kyle Beloy
- 22 | Microwave to optical photon conversion via fully concentrated rare-earth ion crystals | Jonathan Everts
- 25 | Towards high-precision spectroscopy of the 1S-2S transition in He+ | Fabian Schmid
- 26 | Mid Infrared DFB Interband cascade lasers for gas sensing applications | Johannes Johannes Koeth
- 27 | MAIUS - BEC-based matter-wave interferometry in space | Maike Diana Lachmann
- 28 | Stealth for atoms: precision measurement of He* tune-out wavelength | Ken Baldwin
- 29 | Optical fiber link for remote atomic clock comparisons and precise molecular spectroscopy | Dan Xu
- 30 | Photoassociation dynamics of 85-Rb in an optical dipole trap | Marvin Weyland
- 31 | An approach of precision measurement based on differential interferometer | Xuanhui Lu
- 32 | Optically referenced near-infrared Yb:KYW frequency comb for precision spectroscopy of the 1S-2S transition in He+ | Ilia Zalivako
- 33 | Observation of Anderson localisation in 2D through transmission experiments with ultra-cold atoms | Sophie S. Shamailov
- 36 | Continuous-variable QKD network in Qingdao | Yichen Zhang
- 37 | Quantum Motional Sensing With Electromagnetically Induced Transparent Medium | Chang Huang
- 38 | Variational Approach for Impurity Dynamics in Degenerate Fermi Gases at Finite Temperature | Weizhe Liu
- 39 | Formation of Rydberg Atoms near an Optical nanofibre | Krishnapriya Subramonian Rajasree
- 41 | Towards a miniaturized high finesse ring cavity for cavity QED in the strong coupling regime | Torben Pöpplau
- 42 | Randomness Extraction from Detection Loophole-free Bell Violation with Continuous Parametric Down-Conversion | Lijiong Shen
- 43 | Hyperfine and fine-structure measurements of 2 3S and 2 3P states in 7Li+ | Hua Guan

44	Ca ⁺ optical clocks with improved stability of < 1E-17 at 200000 s Kelin Gao
45	Precision Rydberg Spectroscopy to Study Positive and Negative Ions in Ultracold Atoms Tilman Pfau
46	Optical clock qubit control in tweezer arrays of strontium atoms Jacob Covey
47	Continuous-wave laser control of free electron wave functions Jeremy Axelrod
48	Anderson localization in ultracold gases Mojdeh Shikhali Najafabadi
49	Optimal Raman pulses for enhanced contrast and sensitivity of atom interferometers Jack Saywell
52	Cascaded optical fiber link using PLC-based laser repeater stations Tomoya Akatsuka
53	United test of the equivalence principle at E-10 level using mass and internal energy specified atoms Jin Wang
55	Development of high-performance compact laser-cooled rubidium atomic clock Sang Eon Park
56	Prospects and progress on transportable optical clock and 27Al ⁺ Ion quantum logic Optical Clock at WIPM Xueren Huang
57	Orbital angular momentum distribution of degenerate four-wave mixing in rubidium vapour Jesse Everett
58	Phase locks between diode lasers Rudolf Neuhaus
59	Alkali vapour loaded hollow core fibre as a platform for quantum technologies Philip Light
61	How to evaluate blackbody radiation shift of Yb optical lattice clock with a temperature-stabilized spectroscopy chamber of KIRSS Chang Yong Park
62	Rydberg EIT in (ultra-cold) potassium Suzanne Otto
63	Characterization of the stability of an atomic gravimeter Sang Bum Lee
65	Preliminary frequency measurement of a 171Yb lattice clock Xinye Xu
66	Broadband High-Resolution Spectroscopy in the Mid Infrared via a Tunable, Continuous-Wave Optical Parametric Oscillator Ulrich Eismann
67	Measuring and Cooling Atomic Velocity Distributions by Atom Interferometry Max Carey
70	Controlling the magnetic field sensitivity of RF dressed atomic levels by microwave dressing Sindhu Jammi
71	Stark deceleration of a cryogenic buffer gas beam for a CP violation measurements Kevin Esajas
72	Driven-dissipative quantum dynamics in ultra long-lived dipoles in an optical cavity Robert Lewis-Swan
73	Strongly-interacting fermions coupled to a high-finesse optical cavity Hideki Konishi
74	Lattice atom interferometry in an optical cavity Victoria Xu
75	The Hannover Very Long Baseline Atom Interferometry Facility: Design, Progress, and Perspectives Etienne Wodey
76	Quantum Technologies for Classical Navigators Tim Freearge
77	Intraband conductivity of ultracold fermions in an optical lattice Vijin Venu
79	Quantum-Classical Correspondence in a Dicke Model Kevin Stitely
80	Microscopic Studies of the Doped Hubbard Model with Ultracold Fermions Muqing Xu
82	Spin Cat States and Entangled-State Cycles Caspar Groiseau
84	Storing single photons using gradient echo memory Anthony Leung
85	Nonlinear Optics from GPS – to Laser-Cooled Yb and Green Laser Pointers Leo Hollberg
86	Raman Heterodyne Probing of Strong Microwave-Cavity-Ion Coupling Gavin King
87	3D-cavity design for rare-earth ion doped whispering gallery mode resonator up-conversion Li Ma

89	Environment mediated multipartite and multidimensional entanglement Mojdeh Shikhali Najafabadi
90	Thermalization of spin-orbit coupled bose-einstein condensates Dylan Brown
91	Social behavior: from laser spectroscopy of entangled butterflies to energy exchange between atoms Oscar Andrey Herrera Sancho
92	Observation of nonlocal atomic saturation in a coupled-cavities quantum electrodynamics system Donald White
93	Determination of laser frequency fluctuation-induced decoherence rate in the Rydberg-EIT experiment Bongjune Kim
94	Consecutive in situ imaging of a bose-einstein condensate for a precise spatial magnetometry Naota Sekiguchi
95	Dynamical behaviour of distantly coupled atom-cavity systems in the single excitation limit Ross Shillito
97	Frustrated Tunneling Ionization in few-cycle and multi-cycle fields Rohan Glover
98	Low laser frequency fluctuation-induced decoherence rate in the Rydberg-EIT experiment Chia-Yu Hsu
99	Geometric control of collective spontaneous emission Yizun He
100	Pushing the limits of exact diagonalisation approaches for ultra-cold atom problems Joachim Brand
101	Laser with 10GHz modulation bandwidth for multi-isotope optical control and spectroscopy Yuzhuo Wang
102	Atomic frequency combs as a filter for scattered light Maddy Cormack
104	A Single Beam Laser System for Atom Interferometry Sung-Joon Cho
106	Beyond particle transport through an atomic point contact Samuel Häusler
108	Compact localised states in arbitrary 2D potentials for ultracold atoms Maarten Hoogerland
109	Toward quantum microwave to optical conversion using rare earth ion containing crystals Jevon Longdell
110	Nanofibre-Cavity-QED Systems with Multilevel Atoms Lucas Ostrowski
112	Measurement based spin squeezing of 10^{11} atoms using prediction and retrodiction Yanhong Xiao
113	Negative Wigner states in the output field of a one-sided nanofiber resonator Alexander Elliott
114	Ultra-stable bipolar current source for cold atom experiments Jiang Xiao
115	Torsion balance to study spin transfer from a polarized gas to a solid Runa Yasuda
116	Light-induced atom desorption from alkali-metal oxides Atsushi Hatakeyama
117	Spectroscopic dynamic imaging of membrane potentials in neurons Hans Bachor
120	Addressing the Ground State of Bi-alkali Molecules with a Sole Singlet Hyperfine Component Kai Dieckmann
123	Dual-comb spectroscopy using electro-optic frequency comb Madhuri Kumari
124	Microwave photon up-conversion Nicholas Lambert
125	Laser Frequency Stabilization at the $1S_0-3P_1$ Transition of Ytterbium Atom for Daylong Operation of Optical Lattice Clock Huidong Kim
128	Quantum State Transportation of Rubidium Atoms inside a Photonic Waveguide Zilong Chen
129	Non-Abelian Majorana fermions in topological s-wave Fermi superfluids Lauri Toikka
130	Exploring exciton fine structure by micro photoluminescence in a single CsPbBr ₃ nano-crystal Maya Isarov
131	Observation of a Dynamical Sliding Phase Superfluid with P-Band Bosons Xinxin Guo
132	Biosensor for Glucose detection in Urine based on 2D Photonic Crystal Ring Resonators Kheireddine Ben-goreine
133	Measuring Absorption in Yttrium Orthosilicate using a Whispering Gallery Mode Resonator Daniel Norman

135	Strong Plasmon-Exciton Coupling on Ultrashort Timescales	Boyang Ding
137	Upconversion and fidelity in an electro-optic device	Sonia Mobassem
138	Storage of a single photon in a quantum node	Luigi Giannelli
139	Hybrid Bose-Einstein Condensate Setup for Rubidium Atoms	Stephen Chung
140	Ramsey interferometry with trapped motional quantum states	Xiaoji Zhou
142	Evanescent field induced blue and red shifts of high quality optical whispering gallery modes	Farhan Azeem
143	Spiral bandwidth of four-wave mixing in rubidium vapour	Aidan Arnold
144	Atom interferometry with Bose-Einstein condensates	Aidan Arnold
145	High-rate, high-fidelity entanglement of qubits across an elementary quantum network	Laurent Stephenson