



	Monday 3 Nov	Tuesday 4 Nov	Wednesday 5 Nov	Thursday 6 Nov	Friday 7 Nov	
08:30 - 09:25	Attendee Arrivals	(School session) Lorenzo Marrucci Quantum optics with orbital angular momentum states of light	(School session) Jens Koch Designing quantum hardware: basics and advances in superconducting qubits	(Invited Speaker Talk) Mark Tame Quantum nanophotonics	(Invited Speaker Talk) Jens Koch Open-system quantum simulation with photons	
09:25 - 10:20		(School session) Jens Koch Designing quantum hardware: basics and advances in superconducting qubits	(School session) Lorenzo Marrucci Quantum optics with orbital angular momentum states of light	(School session) Jens Koch Calculating energy Spectra for superconducting qubits	Andy Li Perturbative approach to open interacting photon lattices	
10:20 - 10:50		Tea	Tea	Tea	Tea	
10:50 - 11:40		** Note all talks titled in red are 50 min talks, talks in blue are 20 min talks. Some time allowed in between for questions and change over.	(School session) Mark Tame Quantum nanophotonics	(School session) Mark Tame Quantum nanophotonics	(School session) Kostya Zloschastiev Time-dependent statistical mechanics of quantum systems with non-Hermitian Hamiltonians	Mhlambululi Mafu Security proof for higher-dimensional QKD with asymmetric basis choice and symmetrization
					Mauritz van Den Worm Quantum correlations and entanglement in far-from-equilibrium systems	Vitalii Semin Projection operators in the theory of open quantum systems
11:45 - 12:30			(Invited Speaker Talk) Yorick Hardy Multi-linear algebraic techniques for Kraus maps	(Invited Speaker Talk) Lorenzo Marrucci Quantum optics with orbital angular momentum states of light	Hermann Uys Coherent control of CO2 vibrational dynamics	Sharmini Pillay Portable QKD device using the COW protocol
			Regine Frank Theory of decoherence of electrons – visualizing the quantum-classical transition	Huzifa Elnour Laser coherent control of photosynthetic light harvesting	Yaseera Ismail Effects of turbulent media on quantum properties of polarization based entangled single photons	
12:30 – 14:00	Lunch		Lunch	Lunch	Lunch	Lunch
14:00 – 15:15	(Classroom session) Ilya Sinayskiy Decoherence		Yingwen Zhang Azimuthal spectrum after parametric down-conversion with radial degrees of freedom	Hiking and the Quantum Trail Run Challenge	Hazmatally Goolam Hossen Open quantum self-avoiding walk	Attendee departure
		Thandeka Mhlanga Digital bi-photon spiral imaging	Humairah Bassah Quantum state estimation			
	(Classroom session) Hermann Uys Classical noise in quantum systems	Ilya Sinayskiy Universal definition of Markovianity for open systems	Pieter du Toit Improved quantum state estimation using unsharp measurements			
15:15 - 15:45	Tea	Tea	Tea			
15:45 - 16:35	(Classroom session) Thomas Konrad Quantum measurement theory	Iulia Semina The stochastic representation of non-Markovian quantum dynamics	Francesco Petruccione Open quantum walks			
		Maria Schuld Implementing an artificial neural network on a quantum computer	Marco Mariola Plug and play system for optical and radio communication			
19:30	Dinner	Dinner	Dinner	Dinner		