

List of Talks

Sunday			
1800-1900	Ignacio Cirac	Max Planck Institute for Quantum Optics	Quantum computing with noisy devices
Monday			
0900-1000	Hans Briegel	University of Innsbruck	Artificial agency and AI in the quantum domain
1030-1100	David Elkouss	QuTech, TU Delft & OIST	Optimizing small quantum networks
1100-1130	Harry Buhrman	CWI Amsterdam	Quantum Nonlocal Computation and Quantum Position Verification
1600-1630	Mio Murao	The University of Tokyo	Controlled quantum operations and combs, and their applications to universal controllization of divisible unitary operations
1630-1700	Ramon Muñoz-Tapia	Universitat Autònoma Barcelona	Online identification of quantum states and sequential analysis.
1700-1730	Dagmar Bruss	HHU Düsseldorf	On resource theories for sets of quantum measurements
Tuesday			
0900-1000	Thomas Vidick	Caltech	Interactive tests of quantumness
1030-1100	Damian Markham	LIP6, CNRS, Sorbonne Université	Secure Networks of Quantum Sensors
1100-1130	Jens Eisert	Freie Universität Berlin	A rigorous approach to quantum-assisted machine learning
1600-1630	Gemma De Las Cuevas	University of Innsbruck	What is the reach of universality & undecidability?
Wednesday			
0900-1000	Rodney Van Meter	Keio University Quantum Computing Centre	Engineering the Quantum Internet
1030-1100	Richard Küng	Johannes Kepler University Linz	'Derandomizing' randomized measurements with SIC-POVMs
1100-1130	Vedran Dunjko	Universiteit Leiden	Beyond quantum kernel methods for machine learning for quantum advantages
Thursday			
1030-1100	Jose Carrasco	University of Innsbruck	Entanglement characterization via partial transpose moments and randomized measurements
1100-1130	Toni Acín	ICFO	Quantum marginal problems
1600-1630	Pavel Sekatski	University of Geneva	Quantifying measurement incompatibility through dimension
1630-1700	Jean-Daniel Bancal	CEA Paris Saclay	Ultimate bounds for quantum communications
1700-1730	Stefano Pirandola	University of York	Experimental quantum key distribution certified by Bell's theorem
Friday			
0900-1000	Norbert Schuch	University of Vienna	Entanglement and topological order in many-body systems
1030-1100	Maksym Serbyn	Institute of Science and Technology Austria	Optimal steering of matrix product states and quantum many-body scars
1100-1130	Eric Chitambar	University of Illinois Urbana-Champaign	The Communication Value of a Quantum Channel