QCMC 2022
International Conference on Quantum Communication, Measurement and Computing
www.qcmc-lisbon.org

Programme

	Monday 11 July	**Tuesday** 12 July	**Wednesday** 13 July	**Thursday** 14 July	**Friday** 15 July
09:00		**Gerhard Rempe** Quantum networks for quantum computation and communication	**Paola Cappellaro** Quantum-Enhanced Sensing of Magnetic Fields		**Markus Müller** Fault-Tolerant Quantum Error Correction and Computing: From Concepts to Experiments
09:45	Arrival & Registration	**Kae Nemoto** Quantum computation on scale-free networks in the Hilbert space	**Christine Silberhorn** Scaling Photonic systems for quantum technologies	**Quantum Award Winner Talk: Mauro d'Ariano** Quantum Falsifiability	**Mehul Malik & Marcus Huber** High-dimensional Entanglement for Quantum Communication
10:30		*Coffee break*	*Coffee break*	*Coffee break*	*Coffee break*
11:00		**Bill Munro** Designing Large Scale Quantum Networks	**Mary Jacquiline Romero** Hiding Ignorance and Finding Knowledge: Adventures Using the Shape of Light	**Quantum Award Winner Talk: Andreas Winter** Bosonic data hiding - power of linear vs non-linear optics	**Best Poster Awards ceremony and talks**
11:45		**Elizabeth Goldschmidt** Quantum photonics with emitters in solid-state	**André Carvalho** Boosting performance of quantum algorithms using autonomous error-suppression	**Lieven Vandersypen** Quantum Computation - Spins Inside	**Ana Maria Rey**: Advances in Quantum Simulation and Sensing withTwo-Dimensional Crystals of Ions
12:30	*Welcome Lunch*	*Lunch Break*	*Lunch Break*	*Lunch Break*	*Farewell Lunch*
14:15	**Welcome Address**	**Conference Photo 1**		**Conference Photo 2**	
14:30	**Nicolas Gisin** From Bell non-locality to quantum communication and back to Network non-locality	**Quantum Award Winner Talk: Mikhail Lukin** Exploring new scientific frontiers using programmable atom arrays		**Henrique Leitão** *Special Talk:* The Science of Magellan's expedition (1519-22)	
15:15	**Konrad Banaszek** Why photon counting is great: Applications in imaging and communications	**Marissa Giustina** Building Google's Quantum Computer		**Yvonne Gao** Programmable Interactions between Multi-Photon Bosonic Qubits	
16:00	*Coffee break*	*Coffee break*		*Coffee break*	Free Discussions & Departure
16:30	**Poster Session 1**	**Poster Session 2**	Free afternoon	**Poster Session 3**	
18:00					
19:15			Conference Dinner from 19:15 onwards		