Program

October 30-31st, School of Informatics, University of Edinburgh

	Monday 30th		Tuesday 31st
9:45	**Elham Kashefi** *Opening Remarks*		
10:00	**Ashley Montanaro** *Classical simulation algorithms for quantum computational supremacy experiments*	10:00	**Dominic Horsman** *Graphical structures for quantum error correction*
10:50	**Chris Williams** *An Introduction to Machine Learning and Probabilistic Graphical Models*	10:50	**Petros Wallden** *Quantum verification: From testing quantumness to cryptographic applications*
11:20	*Coffee*	11:20	*Coffee*
11:50	**Michael Gutmann** *Fast Statistical Inference for Complex Generative Models*	11:50	**Alexander Streltsov** *Rates of multi-partite entanglement transformations and applications in quantum networks*
12:40	*Lunch*	12:40	*Lunch*
14:00	**Hans Briegel** *Quantum learning agents*	14:00	**Stefano Pirandola** *Capacities of Quantum Repeaters and Quantum Communication Networks*
14:50	**Animesh Datta** *Verification of Quantum Supremacy*	14:50	**Matty Hoban** *Causal Networks and Quantum Correlations*
15:20	*Coffee*	15:20	*Close*
15:50	**Niel de Beaudrap** *Logical operations for flexible error-corrected architectures*		
16:20	**Discussion session**		
17:00	*Close*		