	Wed 4 June	Thu 5 June	Fri 6 June
9:30-10:00	coffee & welcome	coffee	coffee
10:00-10:30	Bob Coecke. Normalisation equals non-signalling	Robin Adams. QPEL: Quantum Program and Effect Language	William Zeng and Jamie Vicary. Abstract structure of unitary oracles for quantum algorithms
10:30-11:00	Joe Henson, Raymond Lal and Matthew Pusey. General probabilistic theories on arbitrary causal structures	Bas Westerbaan and Sander Uijlen. A Kochen-Specker system has at least 21 vertices	Christian Schröder de Witt and Vladimir Zamdzhiev. The ZX calculus is incomplete for quantum mechanics
11:00-11:30	Shane Mansfield. Completeness of Hardy Non-locality: Consequences \& Applications	Kenta Cho. Semantics for a Quantum Programming Language by Operator Algebras	Miriam Backens. The ZX -calculus is approximately complete for single qubits
11:30-12:00	Rui Soares Barbosa. On monogamy of non-locality and macroscopic averages: examples and preliminary results	Kazuya Yasuda, Takahiro Kubota and Yoshihiko Kakutani. Observational Equivalence Using Schedulers for Qua...	Chris Heunen, Jamie Vicary and Linde Wester. Mixed quantum states in higher categories
12:00-13:30	lunch break	lunch break	lunch break
13:30-14:30	Giulio Chiribella. Pure, reversible and sharp: a tale of systems in interaction with their environment	Masanao Ozawa. Quantum set theory extending standard probabilistic interpretation of quantum theory	Masahito Hasegawa. Denotational semantics and quantum topology
14:30-15:00	Sam Staton. An equational characterization of quantum computation	Toru Takisaka. On Gacs' quantum algorithmic entropy	Patrick Coles and Fabian Furrer. Entropic formulation of Heisenberg's measurement-disturbance relation
15:00-15:30	Aleks Kissinger and David Quick. Tensors, !-graphs, and non-commutative quant...	Seiseki Akibue, Masaki Owari, Go Kato and Mio Murao. Globalness of separable maps in t... of t... and space resources	Patrick Coles, Jedrzej Kaniewski and Stephanie Wehner. Equivalence of wave-particle duality to entropic uncertainty
15:30-16:00	coffee	coffee	coffee
16:00-16:15	Eric Cavalcanti and Raymond Lal. On modifications of Reichenbach's principle of common cause in light of Bell's theorem	Philip Atzemoglou. The dagger lambda calculus	Mio Murao, Kyusuke Nakago, Michal Hajdusek and Shojun Nakayama. Parallelized adiabatic gate teleportation
16:15-16:30	Andre Ranchin. Depicting qudit quantum mechanics and mutually unbiased qudit theories	Akihito Soeda, Shojun Nakayama and Mio Murao. Circuit model implementation of controllization functional on unitary with and without fractional query	Krzysztof Bar and Jamie Vicary. A 2-Categorical Analysis of Complementary Families, Quantum Key Distribution and the Mean King Problem
16:30-16:45	Quanlong Wang and Xiaoning Bian. Dichromatic and Trichromatic Calculus for Qutrit Systems	Antonin Delpeuch. Complexity of Grammar Induction for Quantum Types	Jisho Miyazaki, Michal Hajdusek and Mio Murao. Translating measurement-based quantum computations with gflow into quantum circuits
16:45-17:00	Shane Mansfield. Reflections on the PBR Theorem: Reality Criteria & Preparation Independence	Dimitri Kartsaklis and Mehrnoosh Sadrzadeh. A Study of Entanglement in a Categorical Framework of Natural Language	
17:00-17:15	Kohei Kishida. Stochastic Relational Presheaves and Dynamic Logic for Contextuality	Jason Morton. Belief propagation in monoidal categories	
17:15-17:30	Poster shot-gun session: each poster author presents his/her work within the strict limit of 2 minutes	Nadish de Silva. Contextuality and Noncommutative Geometry	
17:30-18:00			Invited talk (60 min)
			30-min slot
			15-min slot

Chair: Bart Jacobs

Chair: Masahito "Hassei" Hasegawa

Chair: Giulio Chiribella

Chair: Peter Selinger

Chair: Bob Coecke

Chair: Jamie Vicary

Chair: Ross Duncan

Chair: Ichiro Hasuo

Chair: Mehrnoosh Sadrzadeh

Chair: Naohiko Hoshino