Nanyang Quantum 2017: Workshop on Quantum Resources and Correlations Beyond Entanglement

Workshop Programme

Time(Hour)	11th December	12th December	13th December
1000 - 1020	Opening Remarks	Tim Ralph: Quantum Correlations and Non-local Quantum Computing	Jaewan Kim: TBA
1020 - 1040	Kavan Modi: Quantum Stochastic Processes		
1040 - 1100		Hyukjoon Kwon: Quantifying Nonclassicality by High-Precision Parameter Estimation	Shuming Cheng: Anisotropic Invariance and The Distribution of Quantum Correlations
1100 - 1130	Morning Tea		
1130 - 1210	Xiaofeng Ma: From Quantum Coherence to Randomness	Harald Weinfurter: Quantum State Analysis with Finite Resources	Guoyong Xiang: Experimental Progress on Quantum Coherence as Quantum Resource
1210 - 1230	Shao-Ming Fei: On Operational Measures of Quantum Coherence	Anurag Anshu: Quantifying Resource in Catalytic Resource Theory	Bartosz Regula: Convex Geometry of Quantum Resource Quantification
1230 - 1310	Alex Streltsov: Entanglement and Coherence in Distributed Quantum Networks	Borivoje Dakic: Single-copy Entanglement Detection	Wieslaw Laskowski: Investigating Nonclassicality by Random Measurements
1310 - 1430	Lunch		
1430 - 1510	Vlatko Vedral: Quantum Gravity	Simon Groblacher: TBA	Lucas Celeri: The Role of Quantum Coherence in Non-equilibrium Entropy Production
1510 - 1530	Benjamin Yadin: Rethinking Quantum Discord via Coherence	Wolfgang Niedenzu: Quantum Engine Efficiency Bound Beyond 2nd Law of Thermodynamics	Chiranjib Mukhopadhyay: Quantum Coherence in Superposition with Non-distinguishable Pointers
1530 - 1550	Cyril Branciard: Quantum Superpositions of Causal Orders	TBD	Angeline Shu: Exploring the Resource Theory of Thermodynamics with Physical Models
1550 - 1610			Varun Narasimhachar: Memory Capacity of Quantum Thermal Resources
1610 - 1800	Afternoon Tea, Posters, and Discussions		
1800 -	Dinner	**Conference Banquet @ Min Jiang One North at 7.30 p.m. (transportation arranged)**	