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Workshop on Quantum Science and Quantum Technologies | (smr 3183)

Friday 15 September 2017

- Leonardo Building - Budinich Lecture Hall (09:00-12:30)

time	title	presenter
09:00	Synthesis of vertex colouring problem using Grover's algorithm	AMIT SAHA
09:15	Dual correspondence between classical spin models and quantum CSS states	MOHAMMAD HOSSEIN ZAREI
09:30	Interferometric visibility and coherence	TANMOY BISWAS
09:45	Energy cost of creating quantum coherence	AVIJIT MISRA
10:00	Mutual uncertainty, conditional uncertainty and strong sub-additivity	SAZIM SHEIKH
10:15	Exact master equation for a spin interacting with a spin bath: non-Markovianity and negative entropy production rate	SAMYADEB BHATTACHARYA
10:30	On non-Markovianity of qubit evolution under action of spin environment	SAGNIK CHAKRABORTY
10:45	Break	
11:15	Quantum contextuality for a three-level system sans realist model	KATHAKALI MANDAL
11:30	Comparison of non-Markovianity measures in a quantum walk coupled to memory qubits	BURCIN DANACI
11:45	Multipartite entanglement measure and its application in quantum communication	TAMOGHNA DAS
12:00	Measuring higher-dimensional entanglement	CHANDAN DATTA