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ICTP Conference on Adiabatic Quantum Computation / Quantum Annealing (hosting AQC2022) | (smr 3718)

Tuesday 21 June 2022

- Leonardo Building - Budinich Lecture Hall (09:15-17:40)

time	title	presenter
09:15	Quantum annealing for optimization and classification	KRISTEL MICHIELSEN
10:00	Structure optimization method of truss by quantum annealing	RIO HONDA
10:20	Quantum annealing with twisted fields	TAKASHI IMOTO
10:40	Coffee Break	
11:05	Decoding strategies to enhance Parity Quantum Approximate Optimization	ANITA WEIDINGER
11:25	Coupling 3-Josephson junctions flux qubits for Non-stoquastic Adiabatic Quantum Computation	MARíA HITA PÉREZ
11:45	Excited States in Quantum Annealing	PAUL WARBURTON
12:30	Lunch Break	
14:30	Variational shortcuts-to-adiabaticity for Lindbladian dynamics	GIANLUCA PASSARELLI
14:50	Nonnegative binary matrix factorization by continuous relaxation and reverse annealing	RENICHIRO HABA
15:10	Estimation of hyperparameters on Ising model with constraint	KOHJI NISHIMURA
15:30	Dissipative Landau Zener tunneling: crossover from weak to strong environment coupling	XI DAI
15:50	Coffee Break	
16:15	The power of coherent quantum annealing	MOHAMMAD AMIN
17:00	Lower bounds for performance of shortcuts to adiabaticity	TAKUYA HATOMURA
17:20	An analogue quantum variational embedding classifier	RUI YANG