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

Monday 20 June 2022

- Leonardo Building - Budinich Lecture Hall (09:00-19:00)

time	title	presenter
09:00	Opening ceremony	
09:00	Recent Progress in Coherent Ising Machines	YOSHIHISA YAMAMOTO
09:45	Benchmarking Various Types of Ising Machines	KEISUKE FUKADA
10:05	Performance comparison among various methods of fixing spins in quantum annealing	TOMOHIRO HATTORI
10:25	Coffee Break	
10:50	Parity Quantum Optimization: Encoding Constraints	MAIKE DRIEB-SCHÖN
11:10	Localisation, Quantum Phase Transitions and Graph Theory for Adiabatic Quantum Computing	MATTHIAS WERNER
11:30	A Cost and Power Feasibility Analysis of Quantum Annealing for NextG Cellular Wireless Networks	SAI SRIKAR KASI
11:50	Semiclassical Approximate Optimization Algorithm	ADITI MISRA-SPIELDENNER
12:10	Lunch Break	
14:15	Optimal control in many-body quantum machines	VICTOR MUKHERJEE
14:35	Fast forward adiabatic quantum dynamics of XY spin model on Kagome lattice	IWAN SETIAWAN
14:55	Milestones on the Quantum Utility Highway	CATHERINE MCGEOCH
15:15	Signatures of Open Quantum System Dynamics in Single Qubit Annealing	ALEXANDER MORRELL ZACHARY
15:35	Coffee Break	
16:00	Nonlocal Monte Carlo moves with algorithmic quantum and thermal fluctuation	MASOUD MOHSENI
16:45	Free discussions	
17:45	Welcome Reception	