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

Thursday 23 June 2022

- Budinich Lecture Hall (LB) (09:15-16:30)

time	title	presenter
09:15	Classical simulation and theory of quantum annealing in a thermal bath	SEI SUZUKI
10:00	Domain Wall Behaviour on Ising Machines	YUKO KAMISHIMA
10:20	Four-body interaction of superconducting qubits for quantum annealing	RYOJI MIYAZAKI
10:40	Coffee Break	
11:05	Towards a quantum annealing approach to solving the phase problem in macromolecular crystallography	JOHN ADAM CALLISON
11:25	Effects of XX-catalysts on quantum annealing spectra with perturbative crossings	NATASHA JANINA SOLAREK FEINSTEIN
11:45	Quantum Information Scrambling over Bipartitions	PAOLO ZANARDI
12:30	Lunch Break	
14:30	Problem-Size Independent Angles for a Grover-Driven Quantum Approximate Optimisation Algorithm	HEADLEY KEITH DAVID
14:50	Comparing the Hardness of Max 2-SAT Problem Instances for Quantum and Classical Algorithms	PUYA MIRKARIMI
15:10	High-quality Thermal Gibbs Sampling with Quantum Annealing Hardware	JON NELSON
15:30	Next Generation Quantum Annealing Processor	EMILE HOSKINSON
15:50	The open quantum system toolkit for Hamiltonian quantum computing	HUO CHEN