



ICTP Conference on Adiabatic Quantum Computation / Quantum Annealing
(hosting AQC2022) (20-24 June 2022)

Poster Presenters

	Participant	Present /Online	Poster Title
1	BAGRETS Dmitry	Present	TBA
2	BENABDALLAH Fadwa	Online	Dynamics of the bipartite quantum correlations of a mixed spin-(1/2,1) Heisenberg chain under random telegraph noise
3	BHATTACHARJEE Sourav	Present	Bilayer Haldane system: Topological characterization and adiabatic passages connecting Chern phases
4	BOTELHO Ludmila	Online	Fixed interval scheduling problem with minimum idle time with an application to music arrangement problem
5	CODOGNET Philippe	Online	Defining Permutation Constraints with Boolean Domain-wall Encoding for Quantum Annealing
6	FADAIE Seyedeh Mozdeh	Present	A Variational Algorithm with Continuous Time Evolution of the XY Hamiltonian
7	GOTO Tatsuya	Present	Benchmarking anneal offset adjustment in graph coloring problem
8	HASEGAWA Yasushi	Online	Kernel Learning with Boltzmann Machines
9	INACK Estelle	Present	Neural annealing and visualization of autoregressive neural networks in the Newman-Moore model
10	KANAI Hiroshi	Online	Energy Landscape Transformation of Ising Problem in Quantum Annealing and Simulated Annealing
11	KIKUCHI Shuta	Online	Performance of quantum annealing with pre-processing by a non-quantum type Ising machine
12	KIMURA Yusuke	Online	Rigorous convergence condition for quantum annealing for generic problems
13	MATSUMORI Tadayoshi	Online	Application of QUBO solver using black-box optimization to structural design for resonance avoidance
14	MBENG Glen Bigan	Present	Polynomial scaling enhancement in the ground-state preparation of Ising spin models via counterdiabatic driving
15	NUTRICATI Luca Armando	Online	Diophantine Problems on Quantum Annealers
16	OTSUBO Yuta	Online	An additional quantum fluctuation improves quantum annealing for problems with an equality constraint
17	RATTACASO Davide	Present	Towards an inverse adiabatic quantum computation
18	RONAGH Pooya	Present	Solving Continuous Non-convex Optimization Problems Using a Coherent Optical Network
19	SATO Shintaro	Online	Effects of local minima and bifurcation delay on combinatorial optimization with analog spins
20	SEKI Yuya	Online	Performance Analysis of Factorization Machine with Annealing using Integer- Encoding Methods
21	SERRANO Erick	Present or Online	Machine Learning by adiabatic quantum computing: an adiabatic quantum perceptron.
22	SHIKANAI Reo	Online	Traffic signal optimization on various intersections with quantum annealing
23	SHIRAI Tatsuhiko	Online	Ising machine multi-spin flip method
24	SUDEVAN Sowrabh	Online	Constructing n qubit states with maximum entanglement across all k vs n-k bipartitions
25	TAKAHASHI Kotaro	Online	Properties of integer-binary encodings for simulated-annealing based Ising machines
26	TANAHASHI Kotaro	Online	Capacitated Vehicle Routing Problems with Column Generation Scheme Solved by Ising Machines
27	WATABE Shohei	Online	Efficient criteria of quantumness for adiabatic quantum computers
28	WOUDI Woudi	Present	Mathematics of Adiabatic Quantum Computing
29	YAMADA Yasuhiro	Online	Power-law Distribution of Ising Energy in a Coherent Ising Machine: Towards Computing with Criticality
30	YASUOKA Hirotooshi	Online	Computational Complexity of Quadratic Unconstrained Binary Optimization
31	ZWIEHOFF Fabian and David Lopez-Nunez	Present	Coherent Four-Josephson Junction Flux Qubits For Quantum Annealing