

Day 1 (Poster A)

Tadashi Kadowaki, DENSO CORPORATION

Title: Quantum Greedy Optimization

Abstract:

Shorter processing times are desired in NISQ devices. We focus on the dynamical aspects of QA with non-stoquastic Hamiltonian. A counter-diabatic driving and variational optimization are studied. We propose a new algorithm for combinatorial optimization. Comparison with conventional quantum annealing and simulated annealing will be presented, as well as a proposed oracle is discussed.