

Day 4

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Title: Quantum machine learning on quantum annealers

Abstract:

This talk reviews the use of quantum annealing to perform quantum machine learning. We show how quantum annealers can be used to perform quantum embedding and quantum kernel methods, investigate the use of quantum annealers to implement quantum generative adversarial networks (qGANs), and show how quantum annealers can be used to perform data analysis via the Hamiltonian version of the quantum singular value transformation.