

Day 1

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Title: Non-stoquasticity and non-simulability in AQC

Abstract:

It is often stated that non-stoquastic Hamiltonians cannot be efficiently simulated on classical computers. I will present results that contest the above statement to a degree. I will discuss the distinction between non-stoquasticity and non-simulability and its importance in the context of the search for speedups in adiabatic quantum computing.