

UTSA Quantum Research Cluster

PRESENTS



Dr. Alan Aspuru-Guzik

Professor of Chemistry and Computer Science
University of Toronto

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Quantum Algorithms for Near-Term Quantum Computers

We are in the NISQ era of quantum computing. NISQ stands for “Near-term intermediate-scale quantum computer”. These machines are not error corrected and have of the order of tens of quantum bits. In this talk, I will discuss a family of quantum algorithms that are promising applications for these devices that my group and others have developed. I will discuss potential applications for the simulation of chemistry and materials and quantum machine learning.

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