

Physics & Astronomy Colloquium

Presents

Alex Mellnik

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Rigetti Computing



Thursday, September 26, 2019
4:10 pm, Webster Room 17

“Today's Quantum Computers”



*Image courtesy of Rigetti Computing.
Photo by Justin Fantl.*

Quantum Computing is attracting increased interest outside of academia, and a range of companies big and small are now working to develop commercially useful quantum computers. In this talk, I'll talk about the state of the industry, and where we think Noisy Intermediate-Scale Quantum Computers may first have a significant impact. I'll also talk about opportunities for scientists and engineers in the field and how I ended up in it, as well as current technical challenges for superconducting qubit-based quantum computing. At the end of the talk I'll give a live demo of Rigetti's Quantum Cloud Services platform by walking through a version of the Greenberger-Horne-Zeilinger experiment.

*Please meet our guest speaker and share in refreshments 3:45-4:10 p.m.
in the foyer on floor G above the lecture hall*

Host: Dr. Brian Collins / Co-sponsored by Innovation Research Engagement Office



PHYSICS AND ASTRONOMY

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