

## Joint Seminar Series

# Quantum computing at Google

## Ofer Naaman

Research Scientist  
Google Quantum AI

**Tuesday, April 29, 2025**  
**4:00-5:00 pm**

**In-person: EEB 248 & Zoom**

<https://usc.zoom.us/j/96507214109?pwd=KAE0iOoBtpCVDywfl13CKtiPKCnZg.1>

**Meeting ID: 965 0721 4109**  
**Passcode: 131637**

**Abstract:** Google Quantum AI's mission is to build a useful quantum computer. In this talk I will review Google's approach to quantum computing, and our roadmap to building a useful machine based on superconducting qubits. I will highlight milestone experiments along our roadmap, demonstrating beyond-classical computation and quantum error correction, and some of the multidisciplinary technical challenges we are addressing toward a long-lived error-corrected logical qubit.



**Biography:** Ofer Naaman (he/him) is a research scientist with Google Quantum AI, where he leads the readout hardware team. Ofer holds a BSc degree from Tel Aviv University and a PhD in physics from UC San Diego. Prior to joining Google, Ofer was at NIST Boulder, UC Berkeley, and Northrop Grumman, where he has worked on topics ranging from single-electron transistors, quantum computing, and parametric amplifiers, to superconducting logic and cryogenic memory. He authored and co-authored 55+ papers and 25+ patents, is a member of APS, and an IEEE MTT-S senior member.

**Hosted by:**

Quntao Zhuang, Eli Levenson-Falk, Jonathan Habif, Daniel Lidar, Kelly Luo, Todd Brun, Tony Levi, Stephan Haas