



Name:	Edward Leonard, Jr
Affiliation:	Google
Position:	Research Scientist
Previous Positions:	Physicist, Northrop Grumman (2018-2026)
Education:	Ph.D. University of Wisconsin-Madison, 2018
Research Interests/ Areas of Expertise:	Design and integration of superconducting digital logic circuits with superconducting qubits; scalable superconducting systems for quantum command and control; Josephson junction quantum devices and electronics; superconducting quantum device packaging and systems engineering
Publications:	“Digital Coherent Control of a Superconducting Qubit”, E. Leonard, Jr., M. A. Beck, et al., <i>Phys. Rev. Applied</i> 11 , 014009, 2019 “Measurement of a superconducting qubit with a microwave photon counter”, A. Opremcak, I. V. Pechenezhskiy, et al., <i>Science</i> 361 , 6408, 2018 “Reverse Isolation and Backaction of the SLUG Microwave Amplifier”, T. Thorbeck et. al, <i>Phys. Rev. Applied</i> 8 , 054007, 2017
Approximate Number of Years in Applied Superconductivity:	13
Membership in Professional Societies:	IEEE Council on Superconductivity, Affiliate IEEE Nanotechnology Council, Affiliate IEEE Systems Council, Affiliate Science, Technology, and Management Advisory Board, SQMS, Fermilab American Physical Society Division on Quantum Information, Member
Previous ASC Service:	Referee for <i>IEEE TAS</i> Special ASC issue, 2016 Session Chair/Moderator, ASC 2020 Invited Session Chair, ASC 2022 Quantum Electronics Subprogram Co-lead, ASC 2024
Service to Related Conferences:	Tutorials Track Co-Chair, IEEE Quantum Week 2022 Quantum Technologies Program Committee, IEEE Quantum Week 2026
Honors and Awards:	Conference Speaker - IEEE CSC Brazil Chapter Inaugural Meeting, 2025 Northrop Grumman Mission Systems President’s Award - 2022 - Superconducting Syst Reset