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Position: Senior Staff, MIT Lincoln Laboratory
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Education: 2003: Ph.D., Electrical Engineering, Stanford University
1997: S.M., Electrical Engineering and Computer Science, MIT
1995: B.S., Electrical Engineering & B.A., Japanese, U. Rochester

Research Interests/Areas of Expertise: Quantum and classical high-performance superconducting computing technologies
Materials growth, fabrication, design, and measurement of superconducting devices
Cryogenic packaging and control electronics using cryogenic CMOS and SFQ digital logic

Publications: 42 peer-reviewed publications, 7 proceedings, 3 book chapters, h-index = 18

W.D. Oliver and P.B. Welander, “Materials in superconducting quantum bits,” **MRS Bulletin 38**, 816-825 (2013)

F. Yan, S. Gustavsson, J. Bylander, X.Y. Jin, F. Yoshihara, D.G. Cory, Y. Nakamura, T.P. Orlando, and W.D. Oliver, “Rotating-frame relaxation as a noise spectrum analyzer of a superconducting qubit undergoing driven evolution,” **Nature Comm.** 4, 2337 (2013)

J. Bylander, S. Gustavsson, F. Yan, F. Yoshihara, K. Harrabi, G. Fitch, D.G. Cory, Y. Nakamura, J.S. Tsai, and W.D. Oliver, “Noise spectroscopy through dynamical decoupling with a superconducting flux qubit,” **Nature Physics 7**, 565-570 (2011)

D.M. Berns, M.S. Rudner, S.O. Valenzuela, K.K. Berggren, W.D. Oliver, L.S. Levitov, and T.P. Orlando, “Amplitude spectroscopy of a solid-state artificial atom,” **Nature 455**, 51-58 (2008).

S.O. Valenzuela, W.D. Oliver, D.M. Berns, K.K. Berggren, L.S. Levitov, T.P. Orlando, “Microwave-induced cooling of a superconducting qubit,” **Science 314**, 1589 (2006).

W.D. Oliver, Y. Yu, J.C. Lee, K.K. Berggren, L.S. Levitov, T.P. Orlando, “Mach-Zehnder interferometry in a strongly driven superconducting qubit,” **Science 310,** 1653 (2005).

Awards & Membership: JSPS visiting researcher at U. Tokyo; Phi Beta Kappa of Northern California Graduate Award; member of IEEE, APS, Sigma Xi, Phi Beta Kappa, Tau Beta Pi

Service: 2014 ASC program committee, guest editor IEEE JSTQE, US Committee for Superconducting Electronics