

PUBLICATIONS

4. **Modeling low- and high-frequency noise in transmon qubits with resource-efficient measurement**
V. Tripathi, H. Chen, E. M. Levenson-Falk, D. A. Lidar
[arXiv: 2303.00095 \(2023\)](#)
3. **Suppression of crosstalk in superconducting qubits using dynamical decoupling** [Editors' suggestion]
V. Tripathi, H. Chen, M. Khezri, K. Yip, E. M. Levenson-Falk, D. A. Lidar
[Phys. Rev. Applied 18, 024068 \(2022\)](#)
2. **Covariance matrix entanglement criterion for an arbitrary set of operators**
V. Tripathi, C. Radhakrishnan, T. Byrnes
[New Journal of Physics 22 \(7\), 073055 \(2020\)](#)
1. **Operation and error budget of cross-resonance gate** [Editors' suggestion]
V. Tripathi, M. Khezri, A.N. Korotkov
[Phys. Rev. A 100, 012301 \(2019\)](#)

FELLOWSHIPS

- Dean's Distinguished Fellowship, University of California Riverside (2017-2018)
- Indian Academy of Science Fellowship for summer research (May 2015–July 2015).

CONFERENCES & TALKS

7. **Suppression of crosstalk in transmon qubits using dynamical decoupling**
Conference talk: American Physical Society (APS) March Meeting
Chicago, IL, March 2022
6. **Cross-resonance (CR) Gate : basics and recent developments**
Invited talk: Weekly seminar, Google quantum AI
Online, January 11, 2022
5. **Suppression of crosstalk in transmon qubits using dynamical decoupling**
Invited talk: Rigetti computing
Online, September 2021
4. **Modeling and suppression of noise in transmons: theory and experiment**
Conference talk: American Physical Society (APS) March Meeting
Online, March 2021
3. **Suppressing noise on superconducting qubits using dynamical decoupling**
Conference talk: American Physical Society (APS) March Meeting
Denver, CO, March 2020
2. **Operation and error budget of Cross-Resonance gate**
Conference talk: American Physical Society (APS) March Meeting
Boston, MA, March 2019
1. **Wigner distribution function for spin systems**
Poster Presentation : 4th International Conference on Quantum Foundations (ICQFT 2016)
Shanghai, China, 2016

COMPUTER SKILLS

Python, Julia, Mathematica, MATLAB, LaTeX