

Accelerating Superconducting Quantum Computing Technology for Scalability and Performance

Superconducting qubits are a leading modality for scaling to larger and higher performing systems because they leverage well-established processes from the semiconductor industry and achieve faster gate speeds than other modalities. Rigetti is a leader in superconducting quantum computers with innovative technology for overcoming many of the challenges in reaching fault tolerance. This year, Rigetti plans to introduce two new quantum computing systems based on its chiplet-based architecture -- which is the foundation of our scaling technology. This talk will explore Rigetti's pioneering approach to superconducting quantum computing and our path towards realizing the full potential of this transformative technology.