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40th RQC Colloquium

Non-Equilibrium Quasiparticles in Superconducting Qubits

Prof. Leonid Glazman

Yale University

December 25, 2025(Thu) **16:00–17:00**(JST)

This colloquium will be held in **HYBRID format**.

On-site Venue: Wako C61 Wako Welfare and Conf. 2F Large Meeting Room

Online Venue: Zoom. To receive the link, register in advance at https://krs2.riken.jp/m/rqc_registration_form

The presence of quasiparticles poses a fundamental limitation on the coherence of superconducting qubits. Additionally, the sensitivity to quasiparticles renders the qubit a unique tool for measuring their dynamics in superconductors. In this talk, I will review the basic theory of the interaction between quasiparticles and qubit degrees of freedom and present recent results from a joint experimental and theoretical study of quasiparticle dynamics in superconducting qubits.