

# Non-Equilibrium Quasiparticles in Superconducting Qubits

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**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](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.