

Non-Equilibrium Quasiparticles in Superconducting Qubits

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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.