



# Kyoto Workshop on Quantum Thermodynamics and Stochastic Thermodynamics 2025

## Thursday, 11 December 2025

**Thursday: Invited talk: Eric Lutz, "Combining energy efficiency and quantum advantage in cyclic machines" - Panasonic Auditorium, Yukawa Hall (09:30 - 10:20)**

| time  | [id] title  | presenter  |
|-------|---|------------|
| 09:30 | [28] Combining energy efficiency and quantum advantage in cyclic machines | LUTZ, Eric |

**Thursday: Long talk: Andreas Dechant, "Thermodynamics and embedding of generalized Langevin equations" - Panasonic Auditorium, Yukawa Hall (10:20 - 11:10)**

| time  | [id] title  | presenter        |
|-------|---|------------------|
| 10:20 | [29] Thermodynamics and embedding of generalized Langevin equations | DECHANT, Andreas |

**Thursday: Short talk: Ryuna Nagayama, "Duality between dissipation-coherence trade-off and thermodynamic speed limit for noisy oscillations" - Panasonic Auditorium, Yukawa Hall (11:10 - 11:30)**

| time  | [id] title  | presenter       |
|-------|---|-----------------|
| 11:10 | [30] Duality between dissipation-coherence trade-off and thermodynamic speed limit for noisy oscillations | NAGAYAMA, Ryuna |

**Thursday: Invited talk: Shingo Kono, "Scalable superconducting circuit optomechanics with millisecond quantum coherence" - Panasonic Auditorium, Yukawa Hall (13:30 - 14:20)**

| time  | [id] title   | presenter    |
|-------|--|--------------|
| 13:30 | [31] Scalable superconducting circuit optomechanics with millisecond quantum coherence | KONO, Shingo |

**Thursday: Long talk: Kiyoshi Kanazawa, "Stochastic thermodynamics for classical non-Markov jump processes based on the Fourier embedding" - Panasonic Auditorium, Yukawa Hall (14:20 - 15:10)**

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 14:20 | [32] Stochastic thermodynamics for classical non-Markov jump processes based on the Fourier embedding | KANAZAWA, Kiyoshi |

**Thursday: Poster session B - Rooms Y206 and Y306 (15:40 - 17:00)**