



# Kyoto Workshop on Quantum Thermodynamics and Stochastic Thermodynamics 2025

## Monday, 8 December 2025

**Monday: Invited talk: Keiji Saito, “Inverse thermodynamic uncertainty relation and entropy production” - Panasonic Auditorium, Yukawa Hall (09:40 - 10:30)**

time	[id] title	presenter
09:40	[11] Inverse thermodynamic uncertainty relation and entropy production	SAITO, Kenji

**Monday: Long talk: Ken Funo, “Thermodynamic approach to cooling limit of Gaussian feedback” - Panasonic Auditorium, Yukawa Hall (10:30 - 11:20)**

time	[id] title	presenter
10:30	[12] Thermodynamic approach to cooling limit of Gaussian feedback	FUNO, Ken

**Monday: Short talk: Gentaro Watanabe, “Fast Charging of Quantum Batteries via Dephasing and Their Asymptotic Freedom” - Panasonic Auditorium, Yukawa Hall (11:20 - 11:40)**

time	[id] title	presenter
11:20	[13] Fast Charging of Quantum Batteries via Dephasing and Their Asymptotic Freedom	WATANABE, Gentaro

**Monday: Invited talk: Artemy Kolchinsky, "A variational approach to nonequilibrium thermodynamics" - Panasonic Auditorium, Yukawa Hall (13:30 - 14:20)**

time	[id] title	presenter
13:30	[14] A variational approach to nonequilibrium thermodynamics	KOLCHINSKY, Artemy

**Monday: Short talk: Shion Yamashika, "Quantum Fisher Information as a measure of symmetry breaking in quantum many-body systems" - Panasonic Auditorium, Yukawa Hall (14:20 - 14:40)**

time	[id] title	presenter
14:20	[15] Quantum Fisher Information as a measure of symmetry breaking in quantum many-body systems	YAMASHIKA, Shion

**Monday: Short talk: Hisao Hayakawa, "Mpemba effect in bistable continuous potentials" - Panasonic Auditorium, Yukawa Hall (14:40 - 15:00)**

time	[id] title	presenter
14:40	[16] Mpemba effect in bistable continuous potentials	HAYAKAWA, Hisao

**Monday: Poster preview for session A - Panasonic Auditorium, Yukawa Hall (15:30 - 16:00)**

**Monday: Poster session A - Rooms Y206 and Y306 (16:00 - 17:00)**