



International Workshop

Open Quantum Dynamics and Thermodynamics

March 22 — 26, 2021

All time give in the workshop program refer to the time zone KST

Program





Monday, March 22

15:00 - 15:20	Sergej Flach, PCS IBS
	Opening address
15:20 – 16:15	Sai Vinjanampathy, IIT Bombay, India
	Generalized measure of Quantum Synchronisation
16:15 – 16:55	Marti Perarnau-Llobet, University of Geneva, Switzerland
	Optimal cycles for finite-time Carnot engines
16:55 – 17:45	Prasanna Venkatesh, IIT Gandhinagar, India
	Quantum Statistical Enhancement of the Collective Performance of Multiple Bosonic Engines





Tuesday, March 23

15:00 – 15:55	Jae Dong Noh, University of Seoul, Korea
	Fluctuation-dissipation theorem for Hamiltonian eigenstates
15:55 – 16:35	Gabriele De Chiara, Queen's University Belfast, UK
	Thermodynamic consistency of master equations
16:35 – 17:25	Dario Poletti, SUTD, Singapore
	Giant spin current rectification
17:30 – 19:00	Poster Session (hosted on Gather.town)





Wednesday, March 24

15:00 – 15:55	Armen Allahverdyan, A.I.A. Nat'l Science Lab., Armenia
	Work Extraction from Fluid Flow: The Analog of Carnot's Efficiency
15:55 – 16:35	Luis A. Correa, University of Exeter, UK
	Local master equations bypass the secular approximation
16:35 – 17:35	IBS Physics Colloquium @ Daejeon
	Jian-Sheng Wang, National Univ. of Singapore, Singapore
	Quantum master equation approach to transport





Thursday, March 25

15:00 – 15:55	Gentaro Watanabe, Zhejiang University, China Universal Bounds for Fluctuations in Small Heat Engines
15:55 – 16:35	Mark Mitchison, Trinity College Dublin, Ireland
	Charging a quantum battery with linear feedback control
16:35 – 17:25	Haitao Quan, Peking University, China
	Path integral approach to work and heat in quantum Brownian motion model
17:30 – 19:00	Poster Session (hosted on Gather.town)





Friday, March 26

15:00 – 15:55	Ali Rezakhani, Sharif University of Technology, Iran Correlation-Picture Approach to Open-Quantum-System Dynamics
15:55 – 16:35	Aurelia Chenu, University of Luxembourg, Luxemborug Shortcuts of open quantum systems for thermalization and squeezing
16:35 – 17:25	Dong Hee Kim, GIST, Korea Structure of light cone spreading in the strongly disordered Heisenberg XXZ chain