



Institute of Theoretical Physics, CAS

ITP Mini-Symposium on Information Physics

May 27th-28th, 2025

ITP Mini-symposium on Information Physics is organized by Institute of Theoretical Physics, Chinese Academy of Sciences (ITP-CAS). The aim of this mini-symposium is to promote interactions and collaborations among scientists working on related areas.

Brief Schedule (Beijing time):

May 27	Registration
May 28	9:15-17:30 Talks and discussions

Program (Beijing time)

28th May 2025, North Building 322, ITP		
Zoom: https://us06web.zoom.us/j/86081353851?pwd=TL1xtjd2m2sAcFlyQtxjZb6i7WlaOk.1 Meeting ID: 860 8135 3851 Passcode: 826813		
Session1 • Chair: Fanlong Meng		
Beijing Time	Speaker	Title
9:15-9:30	Haijun Zhou	Opening Remarks
9:30-10:15	Jin Wang	Information Dissipation, New Fluctuation Theorems & Maxwell Demon
10:15-11:00 Photo and Coffee break		
Session 2 • Chair: Haijun Zhou		
11:00-11:45	Shigeyuki Komura	Information Swimmers
11:45-12:30	Yunyun Li	Information Governed Dynamics in Active Matter Systems (on line)
12:30 Lunch break		
Session 3 • Chair: Yanting Wang		
Beijing Time	Speaker	Title
14:00-14:45	Zi Wang	Nonequilibrium Thermodynamic Geometry of Machine Learning Dynamics (on line)
14:45-15:30	Geng Li	Thermodynamic Geometric Control of Active Matter
15:30-16:00 Coffee break		
Session 4 • Chair: Weikang Wang		
16:00-16:45	Letian Chen	Efficiency of an Autonomous, Dynamic Information Engine Operating on a Single Active Particle
16:45-17:30	Yihong Shi	Mutual Information as a Measure of Mixing Efficiency in Active Microfluidic Systems
17:30 Dinner		

Some information:

1. Venue

The North Building of ITP, Room 322

(中国科学院理论物理研究所北楼 322 会议室)

2. Hotel

Wuke Hotel (物科酒店)

3. Place of the dinner on May 28

18:00 at Beiping Restaurant (北平食坊•北京烤鸭)