

2025 International Summer School of Fudan University: Statistical Physics

Room C108, Physics Building, Jiangwan Campus of Fudan University
2005 Songhu Rd., Shanghai, China
August 4 - 17, 2025

Course Modules

Module 1: Statistical Physics and Soft Matter

Date | August 4 - 10, 2025

Chairman | Peng Tan 譚鵬, Fudan University

- Theory of Glass Transition
- Hyperuniform Fluid and Solid
- Jamming of Amorphous Matter
- Colloidal Physics
- Crystal Nucleation and Growth
- AI-based Statistical Method

Module 2: Statistical Physics and Thermal Metamaterials

Date | August 11 - 17, 2025

Chairman | Jiping Huang 黄吉平, Fudan University

- Thermal Metamaterials
- Topology in Thermal Engineering and Transport
- Heat Manipulation Based on Symmetry
- Physics of Amorphous Solids
- AI Physics

International Committee

Jiping Huang 黄吉平 *Fudan University (Chair)*

Garuda Fujii *Shinshu University, Japan*

Yilong Han 韩一龙
Hong Kong University of Science and Technology, China

Yuliang Jin 金瑜亮
Institute of theoretical physics, CAS, China

Muamer Kadic *University of Franche-Comté, France*

Walter Kob *University of Montpellier, France*

Ying Li 李鷹 *Zhejiang University, China*

Kunimasa Miyazaki *Nagoya University, Japan*

Ran Ni 倪冉 *Nanyang Technological University, Singapore*

Itamar Procaccia *Weizmann Institute of Science, Israel*

Paddy Royall *ESPCI Paris, France*

John Russo *Sapienza University of Rome, Italy*

Hajime Tanaka *University of Tokyo, Japan*

Peng Tan 譚鵬 *Fudan University, China*

Yujie Wang 王宇杰
Chengdu University of Technology, China

Guoqiang Xu 许国强 *Southeast University, China*

Lei Xu 徐磊 *Chinese University of Hong Kong, China*

Limei Xu 徐莉梅 *Peking University, China*

Ning Xu 徐宁
University of Science and Technology of China, China

Ge Zhang 张格 *City University of Hong Kong, China*

Yi-Cheng Zhang 张翼成 *University of Fribourg, Switzerland*

Host Institutes

Sponsor 主办 | *Fudan University Graduate School 复旦大学研究生院*

Organizer 承办 | *Department of Physics, Fudan University 复旦大学物理学系*

Co-organizer 协办 | *College of Science, University of Shanghai for Science and Technology 上海理工大学理学院*