

Celebration of Physics – Annual Symposium 2025

30 May 2025 (Friday)

Venue: G7603, Yeung Kin Man Academic Building

10:00 – 11:30 Student Poster Session (Location: Room B5-210 & B5-211, Yeung Building)

Lunch break (11:30 – 13:30)

13:30 – 13:35 Introduction by Prof. Yang REN (*Head of Department, Chair Professor of Physics*)

13:35 – 13:40 Welcoming remarks by Prof. Anderson SHUM (*Vice-President (Research),
Chair Professor, Department of Chemical and Biomedical Engineering, CityUHK*)

13:40 – 13:45 Photo Session

Keynote Talk—Chair: Prof. Yang REN

13:45 – 14:45 Atomic Building Blocks for Silicon-Based Quantum Devices

Prof. Sven ROGGE (Dean of the Faculty of Science at the University of New South Wales, Sydney)

Scientific Session (I)—Chair: Prof. Zhedong ZHANG

14:45 – 15:15 Density matrix renormalization group methods for quantum chemistry

Prof. Haibo MA (Professor, Shandong University)

15:15 – 15:45 Correlated and topological states in slightly charge-doped rhombohedral multilayer graphene

Prof. Jianpeng LIU (Associate Professor, ShanghaiTech University)

Student Awards

15:45 – 16:00 Announcement of FYP Awards

Prof. Xiao LI (Associate Professor, CityUHK)

Announcement of Poster Awards + Presentation

Prof. Haixing LI (Assistant Professor, CityUHK)

Announcement of Best Tutor Award (2023-24 academic year)

Prof. Yang REN (Head of Department, Chair Professor of Physics)

Coffee break and discussions (16:00 – 16:15)

Scientific Session (II)—Chair: Prof. Ge ZHANG

16:15 – 16:30 Exploring novel quasiparticles in quantum materials

Prof. Junzhang MA (Assistant Professor, CityUHK)

16:30 – 16:45 Machine Learning phase transitions in many-body systems

Prof. Wing Chi YU (Assistant Professor, CityUHK)

Departmental Service Award

16:45 – 17:00 Announcement of Departmental Service Award

Prof. Yang REN (Head of Department, Chair Professor of Physics)

Scientific Session (III)—Chair: Prof. Yiming ZHONG

17:00 – 17:30 Recent progress in cosmological collider and cosmological amplitudes

Prof. Zhongzhi XIANYU (Associate Professor, Tsinghua University)

17:30 – 17:45 Nonequilibrium Condensation of Bosons: Lessons from algebraic graph theory

Prof. Zhedong ZHANG (Assistant Professor, CityUHK)

17:45 – 18:00 Soft Matter at Surfaces and Interfaces

Prof. Yu CHAI (Assistant Professor, CityUHK)