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香港數學學會

The Hong Kong Mathematical Society

The Hong Kong Mathematical Society

c/o Department of Mathematics

The University of Hong Kong

Pokfulam, Hong Kong

Announcement of the 2025 HKMS Awards

The 2025 HKMS Young Scholars Award



Selection Committee Members

- Ngai-Ming Mok (HKU, Chair)
- Chi-Wang Shu (Brown University)
- Zhouping Xin (CUHK)
- Shou-Wu Zhang (Princeton University)



Awardees (in the alphabetical order of family name)

- **Wing Tat Leung (CityU HK)**

For his significant contribution to multiscale methods, in particular to generalized multiscale finite element method for wave equations, online basis functions, and multiscale stabilization.

- **Moritz Reintjes (CityU HK)**

For his fundamental contribution in Lorentzian geometry on the existence of coordinates such that connections attain optimal expected regularity, through the introduction of *regularity transformation equations*, with applications to general relativity and beyond.

- **Hai Zhang (HKUST)**

For his fundamental contribution to inverse problems and imaging science, in particular to super-resolution and optimal imaging algorithms.

The 2025 HKMS Best Thesis Award



Selection Committee Members

- Xuhua He (HKU, Chair)
- Jun Zou (CUHK)
- Weiping Li (HKUST)



Awardees (in the alphabetical order of family name)

- **Zhigang Pu (HKUST)**

Supervisor: Kun Xu

Thesis Title: Gas-kinetic Schemes for Partially Ionized Plasma Flows

- **Jianhao Shen (CUHK)**

Supervisor: Jiu-Kang Yu

Thesis Title: Zeta Functions for Spherical Tits Buildings of Finite General Linear Groups

- **Shen Zhang (CityU HK)**

Supervisor: Hongyu Liu

Thesis Title: Inverse Problems for Mean Field Games