



香港數學學會

The Hong Kong Mathematical Society

(Founded in 1979)

Fax: (852) 23629045

URL: <https://www.polyu.edu.hk/ama/hkms/>

The Hong Kong Mathematical Society
c/o Department of Applied Mathematics
The Hong Kong Polytechnic University
Kowloon, Hong Kong

Announcement of the 2023 HKMS Awards

The 2023 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)

- **Chun Yi Hui (HKU)**

For his important work on the images of Galois representations by combining techniques from group theory, number theory and algebraic geometry.

- **Tianling Jin (HKUST)**

For his important works establishing the optimal boundary regularities of weak solutions to the fast diffusion equation on bounded domains and significant analysis of non-local partial differential equations.

- **Can Yang (HKUST)**

For his significant contribution to the development of computational and statistical methods for large-scale data analysis, with high impacts in both academic and industry.

The 2023 HKMS Best Thesis Award

➤ Selection Committee Members

- Tuen Wai Ng (HKU)
- Defeng Sun (PolyU)
- Jun Zou (CUHK)

➤ Awardees (in the alphabetical order of family name)

- **Mingxuan Cai (HKUST)**

Supervisor: Can Yang

Thesis Title: Scalable Statistical Methods for Cross-population Risk Prediction and Integrative Analysis of Multi-omics Data

- **Yongcun Song (HKU)**

Supervisor: Xiaoming Yuan

Thesis Title: First-Order Numerical Algorithms For Some Optimal Control Problems With PDE Constraints

- **Zehui Zhou (CUHK)**

Supervisor: Jun Zou

Thesis Title: On the Convergence of Stochastic Gradient Descent and Its Variants for Inverse Problems