

## ABOUT 2018 HANG LUNG MATHEMATICS AWARDS

### I. Participation

In the 2018 HLMA, 260 students and 62 teachers registered, representing over 90 teams from over 60 schools. Among them, 55 teams submitted research reports.

### II. Winners

#### Gold Award

Team Member: Zhiyuan Bai  
Teacher: Mr. Pui Keung Law  
School: La Salle College  
Topic: On the Trapezoidal Peg Problem among Convex Curves

#### Silver Award

No Silver Award was given out this year.

#### Bronze Award

Team Member: Tsz Chung Li  
Teacher: Dr. Kit Wing Yu  
School: United Christian College  
Topic: On the Divisibility of Catalan Numbers

**Honorable Mentions** (listed by school name in alphabetical order)

1. Team Member: Chun Szeto  
Teacher: Mr. Alexander Kin Chit O  
School: G.T. (Ellen Yeung) College  
Topic: Doing Indefinite Integrals without Integration
  
2. Team Member: Ho Leung Fong  
Teacher: Mr. Hing Pan Fong  
School: Hoi Ping Chamber of Commerce Secondary School  
Topic: A Generalization of the Gauss Sum
  
3. Team Members: Lok Kan Yuen, Omega Nok To Tong,  
Ethan Lok Kan Tsang  
Teacher: Mr. Ho Fung Lee  
School: Pui Ching Middle School  
Topic: A Markov Model of the Busy Footbridge Problem
  
4. Team Member: Tin Wai Lau  
Teacher: Mr. Ho Fung Lee  
School: Pui Ching Middle School  
Topic: Investigation on Mordell's Equation
  
5. Team Members: Trevor Kai Hei Cheung, Hon Ching Ko  
Teacher: Mr. Pak Leong Cheung  
School: St. Paul's Co-educational College  
Topic: Old and New Generalizations of Classical Triangle Centres  
to Tetrahedra

### III. Committees and Panel (affiliations at the time of the Awards)

#### Scientific Committee

The Scientific Committee is the academic and adjudicating body of the Hang Lung Mathematics Awards and comprises world renowned mathematicians. It oversees the whole process of assessment, including reviewing the research project reports and conducting the oral defense. The committee upholds the academic integrity and high standard of the mathematics research competition as well as the awards.

*Chair:* Professor Zhouping Xin, 2004 Morningside Medal of Mathematics Gold Medalist; The Chinese University of Hong Kong

*Members:*

Professor Tony F. Chan, JP, King Abdullah University of Science and Technology  
Professor Shiu-Yuen Cheng, Tsinghua University  
Professor Lawrence C. Evans, University of California, Berkeley  
Professor David Gabai, Princeton University  
Professor Brendan Hassett, Brown University  
Professor Bong Lian, Brandeis University  
Professor Rafe Mazzeo, Stanford University  
Professor Ngaiming Mok, The University of Hong Kong  
Professor Ngo Viet Trung, Vietnam Academy of Science and Technology  
Professor Raman Parimala, Emory University  
Professor J. Hyam Rubinstein, The University of Melbourne  
Professor Tom Yau Heng Wan, The Chinese University of Hong Kong  
Professor Po Lam Yung, The Chinese University of Hong Kong  
Professor Jun Zou, The Chinese University of Hong Kong

#### Screening Panel

The Screening Panel is a subcommittee of the Scientific Committee. It handles the initial screening of each report, supervises the external review process, and serves as a bridge between all referees and members of the Scientific Committee.

*Chair:* Professor Tom Yau Heng Wan, The Chinese University of Hong Kong

*Members:*

Dr. Ping Shun Chan, The Chinese University of Hong Kong  
Dr. Man Chuen Cheng, The Chinese University of Hong Kong  
Dr. Charles Chun Che Li, The Chinese University of Hong Kong  
Dr. Mark Jingjing Xiao, The Chinese University of Hong Kong  
Professor Po Lam Yung, The Chinese University of Hong Kong

## **Steering Committee**

The Steering Committee comprises mathematicians and leaders from different sectors of the society and serves as an advisory body that oversees the operation of the competition.

*Chair:* Professor Shiu-Yuen Cheng, 2007 Chern Prize Recipient;  
Tsinghua University

*Members:*

Professor Thomas Kwok Keung Au, The Chinese University of Hong Kong  
Professor Kwok Wai Chan, The Chinese University of Hong Kong  
Professor Raymond Honfu Chan, The Chinese University of Hong Kong  
Professor Tony F. Chan, JP, King Abdullah University of Science and Technology  
Professor Wing Sum Cheung, The University of Hong Kong  
Mr. Siu Leung Ma, BBS, MH, Fung Kai Public School  
Professor Ngaiming Mok, The University of Hong Kong  
Professor Tai Kai Ng, The Hong Kong Academy of Gifted Education  
Professor Yang Wang, The Hong Kong University of Science and Technology  
Ms. Susan Wong, Hang Lung Properties Limited  
Professor Zhouping Xin, The Chinese University of Hong Kong  
Dr. Chee-tim Yip, Princeton (Shenzhen) International School

## **Executive Committee**

The Executive Committee is a subcommittee of the Steering Committee. It is in charge of the administration, promotion, team registration, communication, and organization of events including the oral defense.

*Chair:* Professor Thomas Kwok Keung Au, The Chinese University of Hong Kong

*Members:*

Dr. Kai Leung Chan, The Chinese University of Hong Kong  
Professor Kwok Wai Chan, The Chinese University of Hong Kong  
Professor Ka Luen Cheung, The Education University of Hong Kong  
Dr. Chi Hin Lau, The Chinese University of Hong Kong

*Secretariat:*

Ms. Judy Wing Lam Chu, The Chinese University of Hong Kong  
Ms. Serena Wing Hang Yip, The Chinese University of Hong Kong