About 2016 Hang Lung Mathematics Awards

I. Participation

In the 2016 HLMA, nearly 240 students and 64 teachers registered, representing nearly 80 teams from 60 schools. Among them, 46 teams submitted research reports.

II. Winners

Gold Award

Team Member:	Sun Kai Leung
Teacher:	Mr. Yiu Chung Leung
School:	Bishop Hall Jubilee School
Topic:	On the Summation of Fractional Parts and its Application

Silver Award

Team Members:	Tsz Fung Yu, Tsz Chun Wong, Janice Ling
Teacher:	Mr. Ho Fung Lee
School:	Pui Ching Middle School
Topic:	On the Iterated Circumcentres Conjecture and its Variants

Bronze Award

Team Member:	Wai Chung Cheng
Teacher:	Ms. Dora Po Ki Yeung
School:	Diocesan Girls' School
Topic:	A Geometric Approach to the Second Non-trivial Case of the Erdős-Szekeres Conjecture

Honorable Mentions (arranged by school name in alphabetical order)

1. Team Member: Man Yi Kwok
   Teacher: Mr. Kim Fung Lee
   School: Baptist Lui Ming Choi Secondary School
   Topic: Congruences of Solutions of the Pell's Equation

2. Team Members: Chit Yuen Lam, Christy Sze Wai Kok,
                  King Chun Chan, Hin Tung Chung
   Teacher: Mr. Tat Cheong Wong
   School: G.T. (Ellen Yeung) College
   Topic: A Synthetic Approach on Studying the Mysterious Right
                  Kite and its Applications on Cryptography in related to
                  Poincaré Disk Model in the Views of Euclid Geometry

3. Team Member: Hoi Wai Yu
   Teacher: Ms. Mee Lin Luk
   School: La Salle College
   Topic: The Generalized Tower of Hanoi Problem

4. Team Member: Chak Him Au
   Teacher: Mr. Yan Ching Chan
   School: Po Leung Kuk Centenary Li Shiu Chung Memorial
                  College
   Topic: On Hilbert Functions and Positive-definite Quadratic
                  Forms

5. Team Members: Kin Ip Mong, Chun Ming Lai, Siu Hong Mak
   Teacher: Mr. Chun Yu Kwong
   School: Wong Shiu Chi Secondary School
   Topic: Triples of Sums of Two Squares

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

Scientific Committee

The Scientific Committee comprises world renowned mathematicians and is the academic and adjudicating body of the Hang Lung Mathematics Awards. It oversees the whole process of assessment, including the review of 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 Shing-Tung Yau, 1982 Fields Medalist; Harvard University and
      The Chinese University of Hong Kong
Professor Raymond Chan, The Chinese University of Hong Kong
Professor Shiu-Yuen Cheng, Tsinghua University
Professor Dejun Feng, The Chinese University of Hong Kong
Professor Wee Teck Gan, National University of Singapore
Professor Wei Ping Li, The Hong Kong University of Science and Technology
Professor Bong Lian, Brandeis University
Professor Chang Shou Lin, Taiwan University
Professor Ngaiming Mok, The University of Hong Kong
Professor Ye Tian, Chinese Academy of Sciences
Professor Tom Wan, The Chinese University of Hong Kong
Professor Michael Zieve, University of Michigan at Ann Arbor

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 Wan, The Chinese University of Hong Kong
Dr. Man-Chuen Cheng, The Chinese University of Hong Kong
Dr. Chi-Hin Lau, The Chinese University of Hong Kong
Professor Conan Leung, The Chinese University of Hong Kong
Dr. Charles Li, 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 Sir James A. Mirrlees, 1996 Nobel Laureate in Economics;
    The Chinese University of Hong Kong
Professor Thomas Au, The Chinese University of Hong Kong
Professor Tony F. Chan, The Hong Kong University of Science and Technology
Professor Shiu-Yuen Cheng, Tsinghua University
Professor Wing Sum Cheung, The University of Hong Kong
Professor Ka-Sing Lau, The Chinese University of Hong Kong
Mr. Siu Leung Ma, Fung Kai Public School
Ms. Michelle Mak, Hang Lung Properties Limited
Professor Tai-Kai Ng, The Hong Kong University of Science and Technology
Professor Zhouping Xin, The Chinese University of Hong Kong
Dr. Chee Tim Yip, Pui Ching Middle 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 Au, The Chinese University of Hong Kong
Dr. Kai-Leung Chan, The Chinese University of Hong Kong
Dr. Ka-Luen Cheung, The Education University of Hong Kong
Dr. Leung-Fu Cheung, The Chinese University of Hong Kong
Secretariat:
Ms. Aggie Law, The Chinese University of Hong Kong
Ms. Konnie Pak, The Chinese University of Hong Kong
Ms. Serena Yip, The Chinese University of Hong Kong