

ABOUT 2014 HANG LUNG MATHEMATICS AWARDS

I. Participation

In the 2014 HLMA, nearly 220 students and 47 teachers registered, representing nearly 70 teams from 42 schools. Among them, 34 teams submitted research reports.

II. Winners

Gold Award

Team Member: Yuk Lun Fong
Teacher: Mr. Kwok Kei Chang
School: Buddhist Sin Tak College
Topic: Investigation of the Erdős-Straus Conjecture

Silver Award

Team Members: Yan Lam Fan, Wai Pan Yik
Teacher: Mr. Ho Fung Lee
School: Pui Ching Middle School
Topic: Pseudo Pythagorean Triples Generator for Perpendicular Median Triangles

Bronze Award

Team Members: Hok Kan Yu, Dave Lei, Ka Chun Wong, Sin Cheung Tang
Teacher: Mr. Yan Ching Chan
School: Po Leung Kuk Centenary Li Shiu Chung Memorial College
Topic: Probability, Matrices, Colouring and Hypergraphs

Honorable Mentions (arranged by school name in alphabetical order)

1. Team Members: Man Him Ho, Chun Lai Yip, Yat Wong,
Yin Kei Tam
Teacher: Mr. Alexander Kin Chit O
School: G.T. (Ellen Yeung) College
Topic: Classification of Prime Numbers by Prime
Number Trees
2. Team Members: Kam Chuen Tung, Luke Lut Yin Lau
Teacher: Ms. Mee Lin Luk
School: La Salle College
Topic: Two Methods for Investigating the Generalized
Tic-Tac-Toe
3. Team Members: Chun Kit Du, Tung Him Lam, Hok Leung Chan,
Chi Ming Ng, Kai Yin Ng
Teacher: Mr. Kwok Tai Wong
School: S.K.H. Lam Woo Memorial Secondary School
Topic: A General Formula to Check the Divisibility by
All Odd Divisors and its Extensions
4. Team Members: Chi Cheuk Tsang, Ho Lung Tsui,
Justin Chi Ho Tang, Ian Yu Young Kwan,
Chun Hin Kwan
Teacher: Mr. Perrick King Bor Ching
School: St. Joseph's College
Topic: On the Geometric Construction of Triangles and
the Algebraic Interpretation of the Notion of
Constructability
5. Team Members: Josephine Yik Chong Leung, Wai Shan Lui
Teacher: Mr. Tad Ming Lee
School: Ying Wa Girls' School
Topic: The Application of Graph Theory to Sudoku

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 Lars Andersson, The Max Planck Institute for Gravitational Physics
Professor Raymond Chan, 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 Jaigyoung Choe, Korea Institute for Advanced Study
Professor Ingrid Daubechies, Duke University
Professor Ka-Sing Lau, The Chinese University of Hong Kong
Professor John M. Lee, University of Washington
Professor Ngaiming Mok, The University of Hong Kong
Professor Duong H. Phong, Columbia University
Professor Mark A. Stern, Duke University
Professor Ye Tian, Chinese Academy of Sciences
Professor Tom Wan, The Chinese University of Hong Kong
Professor Michael Wolf, Rice University

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. 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. Ka-Luen Cheung, The Hong Kong Institute of Education
Dr. Leung-Fu Cheung, The Chinese University of Hong Kong
Secretariat:
Ms. Mandy Leung, The Chinese University of Hong Kong
Ms. Konnie Pak, The Chinese University of Hong Kong
Ms. Serena Yip, The Chinese University of Hong Kong