

ABOUT 2012 HANG LUNG MATHEMATICS AWARDS

I. Participation

In the 2012 HLMA, over 250 students and 71 teachers registered, representing nearly 90 teams from 62 schools. Among them, 44 teams submitted research reports.

II. Winners

Gold Award

Team Member: Chung Hang Kwan
Teacher: Mr. Yat Ting Tong
School: Sir Ellis Kadoorie Secondary School (West Kowloon)
Topic: Towards Catalan's Conjecture

Silver Award

Team Members: Kai Lai Chan, Tsz Nam Chan, Ho Yin Lau,
Kai Shing Mok, Yiu Shing Wong
Teacher: Mr. Sai Hung Chan
School: Sha Tin Government Secondary School
Topic: Cutting Twisted Solid Tori (TSTs)

Bronze Award

Team Member: Tsam Kiu Pun
Teacher: Mr. Cyril Lee
School: St. Mary's Canossian College
Topic: Complexity Reduction of Graph

Honorable Mentions (arranged by school name in alphabetical order)

1. Team Members: Ho Wai Chan, Tsz Hei Lam, Yuk Kei Leung,
Hiu Ying Man, Chun Shing Wong
Teacher: Mr. Kim Fung Lee
School: Baptist Lui Ming Choi Secondary School
Topic: Trajectories in Regular Pentagon
2. Team Members: Yat Long Lee, Kwok Chung Tam
Teacher: Mr. Nelson Lai Shun Chung
School: Carmel Holy Word Secondary School
Topic: A Study on Polyhedron with All Triangular Faces:
Nine-point Circle Co-sphere
3. Team Members: Wing Man Chik, Ka Kit Ku, Ming Hong Lui,
Long Hin Sin
Teacher: Mr. Yan Ching Chan
School: Po Leung Kuk Centenary Li Shiu Chung
Memorial College
Topic: Manipulating the Fermat's Equation
4. Team Members: Hon Ka Hui, Kwun Hang Lai, Tin Chuen Tsang,
Kin Lam Tsoi, Cheong Tai Yeung
Teacher: Mr. Chi Keung Lai
School: Shatin Pui Ying College
Topic: From 'Chopsticks' to Periodicity of Generalized
Fibonacci Sequence
5. Team Members: Him Shek Kwan, Ka Chun Lo, Chin Ching Wan
Teacher: Mr. Chun Yu Kwong
School: Wong Shiu Chi Secondary School
Topic: How to Cut a Piece of Paper - Making Paper Cones
with the Greatest Total Capacity

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
Professor Raymond Chan, The Chinese University of Hong Kong
Professor Shiu-Yuen Cheng, The Hong Kong University of Science and Technology
Professor Rafe Mazzeo, Stanford University
Professor Ngaiming Mok, The University of Hong Kong
Professor Seiki Nishikawa, Tohoku University
Professor Duong H. Phong, Columbia University
Professor Reyer Sjamaar, Cornell University
Professor Ye Tian, Chinese Academy of Sciences
Professor Tom Wan, The Chinese University of Hong Kong
Professor Michael Zieve, University of Michigan

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, The Hong Kong University of Science and Technology

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

Dr. Stephen Tommis, The Hong Kong Academy for Gifted Education

Professor Zhouping Xin, The Chinese University of Hong Kong

Professor Lo Yang, Chinese Academy of Sciences

Ms. Carolina Yip, Hang Lung Properties Limited

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. Mavis Chan, The Chinese University of Hong Kong

Ms. Mandy Leung, The Chinese University of Hong Kong

Ms. Serena Yip, The Chinese University of Hong Kong