

## ABOUT 2010 HANG LUNG MATHEMATICS AWARDS

### I. Participation

In the 2010 HLMA, nearly 340 students and 75 teachers registered, representing over 100 teams from 75 schools. Among them, 46 teams submitted research reports.

### II. Winners

#### Gold Award

Team Members: Kwok Wing Tsoi, Ching Wong  
Teacher: Mr. Yan Ching Chan  
School: Po Leung Kuk Centenary Li Shiu Chung Memorial College  
Topic: Expressibility of Cosines as Sum of Basis

#### Silver Award

Team Member: Ping Ngai Chung  
Teacher: Ms. Mee Lin Luk  
School: La Salle College  
Topic: Curve Optimization Problem

#### Bronze Award

Team Members: Trevor Chak Yin Cheung, Yin To Chui  
Teacher: Mr. Kwok Kei Chang  
School: Buddhist Sin Tak College  
Topic: Orchard Visibility Problem

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

1. Team Members: On Ping Chung, Winson Che Shing Li, Hon Kei Lai,  
Wing Yan Shiao, Sung Him Wong  
Teacher: Mr. Wing Kwong Wong  
School: Hong Kong Chinese Women's Club College  
Topic: A Study of Infectious Diseases Through Mathematical Modeling
2. Team Members: Chung Yin Chan, Rennie Lee  
Teacher: Mr. Ka Wo Leung  
School: Hong Kong True Light College  
Topic: Dividing a Circle with the Least Curve
3. Team Member: Pak Hin Li  
Teacher: Mr. Chi Ming Chan  
School: Po Leung Kuk Vicwood K.T. Chong Sixth Form College  
Topic: Magic Squares of Squares
4. Team Members: Ho Kwan Suen, Tin Yau Chan, Tsz Shan Ma,  
Pak Hay Chan  
Teacher: Mr. Cheuk Yin Au  
School: Pui Ching Middle School  
Topic: Spherical Fagnano's Problem and its Extensions
5. Team Members: Ho Ming Wong, Man Han Leung, Wing Yee Wong,  
Hon Ka Hui, Tin Chak Mak  
Teacher: Mr. Chi Keung Lai  
School: Shatin Pui Ying College  
Topic: The Erdős-Szekeres Conjecture ("Happy End Problem")

### 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 Chong-Qing Cheng, Nanjing University  
Professor Shiu-Yuen Cheng, The Hong Kong University of Science and Technology  
Professor John H. Coates, University of Cambridge  
Professor Jean-Marc Fontaine, University of Paris-Sud  
Professor Ka-Sing Lau, The Chinese University of Hong Kong  
Professor Eduard J.N. Looijenga, Utrecht University  
Professor Ngaiming Mok, The University of Hong Kong  
Professor Duong H. Phong, Columbia University  
Professor J. Hyam Rubinstein, The University of Melbourne  
Professor Gilbert Strang, Massachusetts Institute of Technology  
Professor Ngo Viet Trung, Institute of Mathematics, VAST  
Professor Tom Wan, The Chinese University of Hong Kong  
Professor Chin-Lung Wang, Taiwan 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  
Professor Wing Sum Cheung, The University of Hong Kong  
Professor Conan Leung, The Chinese University of Hong Kong  
Dr. Chi-Hin Lau, 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 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

Dr. Charles Li, The Chinese University of Hong Kong

*Secretariat:*

Ms. Mavis Chan, The Chinese University of Hong Kong

Ms. Serena Yip, The Chinese University of Hong Kong