

## ABOUT 2008 HANG LUNG MATHEMATICS AWARDS

### I. Participation

In the 2008 HLMA, 230 students and 57 teachers registered, representing nearly 80 teams from 50 schools. Among them, 50 teams submitted research reports.

### II. Winners

#### Gold Award

Team Members: Kwok Chung Li, Chi Fai Ng  
Teacher: Mr. Wing Kay Chang  
School: Shatin Tsung Tsin Secondary School  
Topic: Isoareal and Isoperimetric Deformation of Curves

#### Silver Award

Team Members: Chi Yeung Lam, Yin Tat Lee  
Teacher: Mr. Chun Kit Ho  
School: The Methodist Church HK Wesley College  
Topic: Sufficient Condition of Weight-Balance Tree

#### Bronze Award

Team Members: Ka Chun Hong, Wai Kwun Kung, Fung Ming Ng, Chi Chung Wan  
Teacher: Mr. Yiu Kwong Lau  
School: S.K.H. Tsang Shiu Tim Secondary School  
Topic: Fermat Point Extension – Locus, Location, and Local Use

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

1. Team Member: Jun Hou Fung  
Teacher: Mr. Jonathan Hamilton  
School: Canadian International School of Hong Kong  
Topic: A Cursory Disproof of Euler's Conjecture Concerning  
Graeco-Latin Squares by Means of Construction
  
2. Team Member: Cheuk Ting Li  
Teacher: Ms. Mee Lin Luk  
School: La Salle College  
Topic: Equidecomposition Problem
  
3. Team Member: Shun Yip  
Teacher: Mr. Chi Keung Lai  
School: Shatin Pui Ying College  
Topic:  $3n+1$  Conjecture (Collatz Conjecture)
  
4. Team Members: Kin Ho Lo, Wai Hang Ng, Maureen Tsz Yan Ho,  
Kai Ming To, Shun On Hui  
Teacher: Mr. Wai Hung Ho  
School: Tsuen Wan Public Ho Chuen Yiu Memorial College  
Topic: Geometric Construction - Area Trisection of a Circle

### 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 Shing-Tung Yau, 1982 Fields Medalist; Harvard University and  
The Chinese University of Hong Kong

Professor Tony F. Chan, University of California, Los Angeles

Professor David C. Chang, Polytechnic Institute of New York University

Professor Chong-Qing Cheng, Nanjing University

Professor John H. Coates, University of Cambridge

Professor Benedict H. Gross, Harvard University

Professor Ka-Sing Lau, The Chinese University of Hong Kong

Professor Jian-Shu Li, The Hong Kong University of Science and Technology

Professor Chang-Shou Lin, Taiwan University

Professor Jill P. Mesirov, Broad Institute of MIT and Harvard

Professor Kenneth C. Millett, University of California, Santa Barbara

Professor Ngaiming Mok, The University of Hong Kong

Professor Stanley J. Osher, University of California, Los Angeles

Professor Duong H. Phong, Columbia University

Professor Wilfried Schmid, Harvard University

Professor Tom Wan, The Chinese University of Hong Kong

Professor Hung-Hsi Wu, University of California, Berkeley

#### 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

## **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 Wing Sum Cheung, The University of Hong Kong

Professor Ka-Sing Lau, The Chinese University of Hong Kong

Professor Jian-Shu Li, The Hong Kong University of Science and Technology

Mr. Siu Leung Ma, Fung Kai Public School

Mr. Chun Kau Poon, HKFYG Lee Shau Kee College

Ms. Susan Wong, Hang Lung Properties Limited

Professor Lo Yang, Chinese Academy of Sciences

Mr. 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 Chun-Che Li, The Chinese University of Hong Kong

*Secretariat:* Ms. Serena Wing Hang Yip, The Chinese University of Hong Kong