

## ABOUT 2006 HANG LUNG MATHEMATICS AWARDS

### I. Participation

In the 2006 HLMA, 300 students and 62 teachers registered, representing nearly 100 teams from 51 schools. Among them, 55 teams submitted research reports.

### II. Winners

#### Gold Award

Team Member: Cheuk Hin Cheng  
Teacher: Mr. Kwok Tai Wong  
School: S.K.H Lam Woo Memorial Secondary School  
Topic: How to Keep Water Cold - A Study  
about the Wet Contact Surface Area in Cylinder

#### Silver Award

Team Member: Yun Pui Tsoi  
Teacher: Mr. Wai Man Ko  
School: Sha Tin Government Secondary School  
Topic: On the Prime Number Theorem

#### Bronze Award

Team Members: Fai Li, Chung Yam Li, Daniel Chung Sing Poon, King Ching Li  
Teacher: Mr. Chun Yu Kwong  
School: Wong Shiu Chi Secondary School  
Topic: Construction of Tangents to Circles in Poincaré Model

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

1. Team Members: Wa Yip Lau, Hon Yiu So  
Teacher: Mr. Kwok Kei Chang  
School: Buddhist Sin Tak College  
Topic: Circle Packing
  
2. Team Members: Kin Shing Lo, Ho Kwan Lee, Chi Wong  
Teacher: Mr. Ka Wo Leung  
School: Fung Kai Liu Man Shek Tong Secondary School  
Topic: An Investigation in Secret Sharing
  
3. Team Members: Kin Ying Chan, Man Chung Cheung, Kwok Chung Li,  
Chi Fai Ng, Ming Leung Sin  
Teacher: Ms. Pik Yee Lam  
School: Shatin Tsung Tsin Secondary School  
Topic: Two Interesting Mathematical Games
  
4. Team Members: Yin Hong Tin, Cheuk Ying Tsim, Yat Au Yeung  
Teacher: Mr. Hon Wai Yung  
School: South Tuen Mun Government Secondary School  
Topic: Rolling without Sliding
  
5. Team Members: Yin Kwan Wong, David Tak Wai Lui,  
Theodore Heung Shan Hui  
Teacher: Ms. Yau Man Sum  
School: St. Paul's Co-educational College  
Topic: Decrypting Fibonacci and Lucas Sequences
  
6. Team Members: Ka Leung Chu, Ka Hei Wong  
Teacher: Mr. Chi Keung Chan  
School: Yuen Long Merchants Association Secondary School  
Topic: Developing 3D Human Model by Using Mathematical Tools

### 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 Tony F. Chan, National Science Foundation  
Professor Shiu-Yuen Cheng, The Hong Kong University of Science and Technology  
Professor John H. Coates, University of Cambridge  
Professor Jean-Pierre Kahane, Université Paris-Sud Orsay  
Professor Ka-Sing Lau, The Chinese University of Hong Kong  
Professor Peter D. Lax, New York University  
Professor Christopher J. Lennard, University of Pittsburgh  
Professor Kenneth C. Millett, University of California, Santa Barbara  
Professor Ngaiming Mok, The University of Hong Kong  
Professor Cathleen S. Morawetz, New York University  
Professor Gilbert Strang, Massachusetts Institute of Technology  
Professor Robert S. Strichartz, Cornell University  
Professor Tom Wan, The Chinese University of Hong Kong  
Professor Lo Yang, Chinese Academy of Sciences  
Professor Andrew Chi-Chih Yao, Tsinghua 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

## **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, St. Paul's Co-educational College (retired)  
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. Chi-Hin Lau, The Chinese University of Hong Kong  
*Secretariat:* Ms. Serena Wing Hang Yip, The Chinese University of Hong Kong