



For immediate release

Announcement of

2014 Hang Lung Mathematics Awards Winners

(Hong Kong, December 11, 2014) Hang Lung Properties Limited (stock code: 101), in conjunction with The Institute of Mathematical Sciences and Department of Mathematics of The Chinese University of Hong Kong, today announced the winners of the 2014 Hang Lung Mathematics Awards (HLMA) at an awards presentation ceremony held at the Asia Society Hong Kong Center. Mrs. Carrie Lam Cheng Yuet-ngor, GBS, JP, Chief Secretary for Administration, Government of the HKSAR, was the guest of honor at the ceremony.

This year marks the 10th anniversary of HLMA. This prestigious event has nurtured over 1,700 secondary school students, awarding HK\$6 million in scholarships to assist their university studies and further pursuits over the past decade.

As a co-founder of the HLMA, Mr. Ronnie C. Chan, Chairman of Hang Lung Properties Limited, said, "The Company believes that technology empowers the development of society. Therefore, motivating more young people in the

pursuit of discovery and truth through mathematics is a first step in fostering technological innovation. As the HLMA celebrates its 10th anniversary, we are delighted that its stature has grown over the years, especially in the academic sector. I hope in the decades to come, the HLMA will continue to play an important role in discovering home-grown mathematics talent in Hong Kong, helping them explore the joy of mathematical research so that they can make positive contributions to improving the society and the wellbeing of humankind.”

Nearly 70 teams formed by over 200 students from over 40 schools participated in this year’s competition. The Gold Award went to Yuk Lun Fong from Buddhist Sin Tak College, whose report on the topic of Investigation of the Erdős-Straus Conjecture passed the assessment and oral defense officiated by the Scientific Committee. For the detailed list of winners, please refer to the attachment.

Professor Shing-Tung Yau, Chairman of the HLMA Scientific Committee, 1982 Fields Medalist, the William Caspar Graustein Professor of Mathematics at Harvard University and Director of the Institute of Mathematical Sciences at The Chinese University of Hong Kong, said, “HLMA encourages creativity and inspires students to develop in-depth mathematical thinking while nurturing our society’s future leaders.”

Founded in 2004, the objective of the biennial HLMA is to encourage secondary school students to realize their potential in the creativity of mathematics and

sciences by stimulating their passion for intellectual discovery and by nurturing them to become world-class mathematicians. Under the supervision of a teacher, each team participating in the HLMA was tasked with designing and carrying out a mathematics research project. Each project was carefully assessed by the Scientific Committee using a multi-step process similar to that undertaken for publication by a scientific journal. Teams that showed the highest potential were shortlisted by the Scientific Committee to participate in an oral defense, which was hosted by the Scientific Committee to select the winners.

Eight awards were presented this year: a Gold Award of HK\$400,000; a Silver Award of HK\$200,000; a Bronze Award of HK\$100,000; and five Honorable Mentions, each worth HK\$60,000. Each award has four components: a "Student Education Award" to be shared equally among team members and applied towards their university studies, a "Teacher Leadership Award" for the supervising teacher, a "School Development Award" to promote mathematics education at the winning school, and a "Tuition Scholarship" for any teacher at the winning school to earn a Master of Science (M. Sc.) in Mathematics from The Chinese University of Hong Kong. Besides awarding scholarships to all winners, Hang Lung Properties Limited also provides sponsorship to support the educational resources, guidance and mentoring, the assessment process, and expenses associated with the administration of the competition.

For more information, please visit the HLMA

website: <http://hlma.math.cuhk.edu.hk>

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Appendix

Winners of 2014 Hang Lung Mathematics Awards

Award	Topic	Students	Teacher	School
Gold	Investigation of the Erdős-Straus Conjecture	Yuk Lun Fong	Mr. Kwok Kei Chang	Buddhist Sin Tak College
Silver	Pseudo Pythagorean Triples Generator for Perpendicular Median Triangles	Yan Lam Fan, Wai Pan Yik	Mr. Ho Fung Lee	Pui Ching Middle School
Bronze	Probability, Matrices, Colouring and Hypergraphs	Hok Kan Yu, Dave Lei, Ka Chun Wong, Sin Cheung Tang	Mr. Yan Ching Chan	P.L.K. Centenary Li Shiu Chung Memorial College

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

Photo Caption 1:



Professor Shing-Tung Yau presents the 2014 HLMA Gold Award to Yuk Lun Fong from Buddhist Sin Tak College on the topic of Investigation of the Erdős-Straus Conjecture.

Photo Caption 2:



Chief Secretary for Administration, Government of the HKSAR, Mrs. Carrie Lam Cheng Yuet-ngor; Chairman of Hang Lung Properties Mr. Ronnie C. Chan; and members of the Steering Committee and Scientific Committee of the Hang Lung Mathematics Awards (HLMA) congratulate the 2014 HLMA winners.