

Jointly organized by:



Hong Kong Society for Transportation Studies



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Technological and Higher Education Institute of Hong Kong

Report on
The 21st International Conference of Hong Kong Society for Transportation Studies
Smart Transportation
10-12 December 2016
<http://www.hksts.org/conf16.htm>



Board members of the HKSTS and guests

The 21st International Conference of Hong Kong Society for Transportation Studies (HKSTS) was successfully held from 10-12 December 2016 at the InterContinental Grand Stanford Hong Kong. The conference was jointly organized by the HKSTS and Technological and Higher Education Institute of Hong Kong (THEi), with generous financial sponsorship from the Airport Authority Hong Kong, Autotoll Limited, Cathay Dragon, Chiu Hing Construction & Transportation Co Ltd, Excel Asphalt Limited, Mannings (Asia) Consultants Limited, Nice Spread Investment Limited and Welcome Construction Company Limited. Eastern Asia Society for Transportation Studies, The Chartered Institute of Logistics and Transport in Hong Kong (CILTHK), The Hong Kong Institution of Engineers – Civil Division and The Hong Kong Institution of Engineers (HKIE) – Logistics and Transportation Division were the non-financial sponsors of the conference. In the morning of 10 December 2016, the conference was honoured to have Prof. William H.K. LAM and Prof. David LIM to deliver the welcome speeches.



Opening address by Professor William H.K. LAM, President of HKSTS



Opening address by Professor David LIM, President of THEi



Professor David LIM (right) presented the Souvenir to Ms. Ida KONG, representative of Autotoll Limited (left)



Professor David LIM (right) presented the Souvenir to Mr. William HO, representative of Excel Asphalt Limited (left)



Professor David LIM (right) presented the Souvenir to Mr. Martin CHEUNG, representative of Mannings (Asia) Consultants Limited (left)



Professor David LIM (right) presented the Souvenir to Ms. Jean LI, representative of Nice Spread Investment Ltd (left)



Professor David LIM (right) presented the Souvenir to Mr. Eddie LEE, representative of Welcome Construction Co Ltd (left)

This year, Mr. MA Siu Cheung, Eric, JP, Under Secretary for Development, Development Bureau, The Government of the Hong Kong Special Administrative Region delivered a Keynote Address entitled “Towards a Planning Vision and Strategy Transcending 2030”.



Mr. MA Siu Cheung, Eric, JP, Under Secretary for Development, Development Bureau, The Government of the Hong Kong Special Administrative Region

The theme of this year's conference is "Smart Transportation" which covers topics related to Intelligent Transportation System; Transportation Infrastructure and Built Environment; Sustainability Issues in Transportation; Transportation Surveys; Travel Behavior Modelling; Technology and Information; Transport Geography; Transport Dynamics; Logistics and Supply Chain Management; and Transport Networks. The conference offers an excellent platform to elevate the insights on the design, analysis, planning, operation, co-ordination and management of transportation projects together with their impacts.

Seven internationally renowned scholars delivered plenary speeches. They were:

- **Professor Masao KUWAHARA**, Tohoku University, Japan. on "First-Best Analysis of Disaster Evacuation based on Normative Behavior"



- **Professor Keechoo CHOI**, Ajou University, Korea on "Big Data and AI for Smart Transportation"



- **Professor Xiaoning ZHANG**, Tongji University, China on "Dynamic Resource Allocation for Intermodal Freight Transportation with Network Effects: Approximations and Algorithms"



- **Dr. Jia YAN**, Washington State University, U.S.A. on "Vehicle Size Choice and Automobile Externalities: A Dynamic Analysis"



- **Professor Janny M. Y. LEUNG**, The Chinese University of Hong Kong (Shenzhen), China on “Humanitarian Logistics: Challenges, Models and Decision Support”



- **Professor Kelvin WANG**, Department of Civil Engineering, Oklahoma State University, U.S.A and Southwest Jiaotong University, China on “Sub-1mm 3D Condition Survey of Highway, Runway, and High-Speed Rail Infrastructure”



- **Professor Michael BELL**, University of Sydney Business School, Australia on “Finding Transport Network Vulnerability by Spectral Analysis”



The conference has drawn near 240 submissions from researchers across five continents. After a vigorous review process, over 120 papers were accepted for presentation at the conference covering the full spectrum of research topics. It attracted near 200 participants from all over the world, including Australia, Canada, China, Denmark, France, Germany, Hong Kong, India, Japan, Macau, Singapore, South Korea, Sweden, Taiwan, Thailand, The Netherlands, U.K. and U.S.A. The annual conference of HKSTS becomes an international event for exchanging and archiving knowledge on the development of advanced transportation research.

To foster excellence in transportation research and practice of students, our Society has established the HKSTS Outstanding Student Paper Award. The winning paper was “Optimal Fare Structure and Frequency for Transit Networks with Elastic Demand” by Ms. Sujun SUN of The University of Hong Kong. There was one first runner-up paper this year: “Modeling Household Residential and Car Ownership Decisions: Group Decision Based Time Allocation Approach” by Ms. Mingzhu YAO of Hong Kong Baptist University.



Professor William H.K. LAM (right) presented the HKSTS Outstanding Student Paper Award to the winner, Ms. Sujun SUN (left)

In the past 21 years, the HKSTS annual conference has become stronger and grown in size and scope, and become one of the leading regional conferences in transportation. The 22nd International Conference of the Hong Kong Society for Transportation Studies to be held on 9-11 December 2017 will be jointly organized by HKSTS and Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University. More information on the conference can be found at the HKSTS website at: <http://www.hksts.org/conf.htm>.



Participants of the conference



Participants of Social Tour at Cheung Chau on 11 December 2016 (Sun.)

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