

The 16th International Conference of Hong Kong Society for Transportation Studies

TRANSPORTDYNAMICS

The 16th International Conference of Hong Kong Society for Transportation Studies (HKSTS) was successfully held from 17-20 December 2011 at InterContinental Grand Stanford Hong Kong. The Conference was jointly organized by HKSTS and the Department of Civil Engineering and Institute of Transport Studies of The University of Hong Kong, with generous financial sponsorship from the Mass Transit Railway (MTR) Corporation Limited. The Chartered Institute of Logistics and Transport in Hong Kong (CILTHK), The Hong Kong Institution of Engineers (HKIE) – Civil Division and the Eastern Asia Society for Transport Studies (EASTS) were the non-financial sponsors of the Conference.

The theme of this conference is “Transportdynamics”, which is the discipline related to the studies of the dynamic phenomenon in transportation systems. This discipline covers but not limited to transportation planning, design, control, operation, management, policy, and travel behavior, but emphasizes on capturing the time-varying aspect of the demand and supply of transportation systems. The time scale captured ranges from second-to-second, day-to-day, to year-to-year, depending on the application. This dynamic consideration is particularly important to Hong Kong and many other urban cities, regions, and countries, in which both the travel demand and the transportation networks are changing rapidly over time. The inclusion of this dynamic consideration in transportation studies can lead to a better prediction of the performance and better improvement strategies for the transportation systems.

The Conference was a great success. It has drawn over 300 submissions from researchers from all over the world. More than 140 papers were presented at this conference covering the full spectrum of topics related to Transportdynamics. It attracted over 220 participants from about 40 countries around the world. These break the records of our previous HKSTS conferences, in terms of the numbers of submissions, presentations and participants.

This year, we are honored to have Ir. Ka Keung Lau, JP, Director of Highways, Highways Department, The Government of the Hong Kong Special Administrative Region, with us delivering a Keynote Address entitled “Planning Major Transport Infrastructure Projects in Hong Kong”. We are also very fortunate to have seven internationally renowned scholars delivering plenary speeches:

- Prof. David Boyce, Department of Civil and Environmental Engineering, Northwestern University, USA: “A New Approach to Road Traffic Assignment for Transportation Planning Practice”
- Prof. David Gillen, Sauder School of Business, University of British Columbia, Canada: “Future Directions for Transportation Research: Engineering and Economics”
- Prof. Jih-Bing Sheu, Institute of Traffic and Transportation, National Chiao Tung University, Taiwan: “New Approaches to Modeling Dynamics of Driver Behavior under Uncertainties”
- Prof. Jing Zhou, School of Management and Engineering, Nanjing University, China: “Behavior-Based Travel Choice and Traffic Modeling: Progress and Prospect”

- Prof. Satish Ukkusuri, Department of Civil Engineering, Purdue University, USA: “Integrative Modeling Tools for Sustainable Transportation Systems”
- Dr. Younes Hamdouch, Department of Supply Chain Management and Logistics, United Arab Emirates University, UAE: “Strategic Behavior of Passengers in Transit Networks with Explicit Capacities”
- Ir. Dr. Alan W.G. Wong, Hong Kong Transport and Road Research Institute, Hong Kong: “Introduction to the Pavement Research in Hong Kong”

To foster excellence in transportation research and practice of students, our Society has established the HKSTS Outstanding Student Paper Award. We are very fortunate in this year to have 3 distinguished scholars as the judges for this award:

- Prof. Konstadinos G. Goulias, Department of Geography, University of California, USA.
- Prof. Yu-Chiun Chiou, Institute of Traffic and Transportation, National Chiao Tung University, Taiwan.
- Prof. Tommi Inkinen, Department of Geosciences and Geography, University of Helsinki, Finland.

The winning paper was “Incorporating Time Dependent Link Costs in Multi-State Supernetworks” by Feixiong Liao of Eindhoven University of Technology, the Netherlands. The first runner-up paper was “Relevance of Congestion Performance Measures: A Study on the Dynamics of Congestion in Road Area Networks” by Carlos A. Moran of KTH Royal Institute of Technology, Sweden. The second runner-up paper was “Problems of Estimation of the Generalized Distance between Zones in Transportation Models” by Alena Kotelnikova of Moscow Institute of Physics and Technology, Russia. Our Society has also established the HKSTS Outstanding Dissertation Paper Award which includes the Gordon Newell Memorial Prize of HK\$10,000. There was no winner for this Award this year.

In the past 16 years, the HKSTS annual conference has become stronger and grown in size and scope, to become one of the leading regional conferences in transportation. The 17th International Conference of the Hong Kong Society for Transportation Studies to be held on 15 to 17 December 2012 will be jointly organized by HKSTS and the Department of Civil & Environmental Engineering and the Department of Industrial Engineering & Logistics Management at The Hong Kong University of Science and Technology. More information on the conference can be found at the HKSTS website at: <http://home.netvigator.com/~hksts/conf.htm>.



Board members of the HKSTS and the guests



Conference Chairman, Dr. W.Y. Szeto (left), HKSTS President, Professor William H.K. Lam (2nd from the left), the Keynote speaker, Ir. K.K. Lau, JP (2nd from the right), and Conference Co-Chairman, Professor S.C. Wong (right)



Welcome address by Professor K.L. Mak, Associate Dean of Faculty of Engineering, The University of Hong Kong



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



Keynote address by Ir. K.K. Lau, JP, Director of Highways



Plenary presentation by Professor David Boyce, Northwestern University



Plenary presentation by Professor David Gillen, University of British Columbia



Plenary presentation by Professor Jiu-Biing Sheu, National Chiao Tung University



Plenary presentation by Professor Jing Zhou, Nanjing University



Plenary presentation by Professor Satish Ukkusuri, Purdue University



Plenary presentation by Dr. Younes Hamdouch, United Arab Emirates University



Plenary presentation by Ir. Dr. Alan W.G. Wong, Hong Kong Transport and Road Research Institute



Dr. W.Y. Szeto (right) presented the HKSTS Outstanding Student Paper Award to the winner, Mr. Feixiong Liao (left)



Conference Banquet



Conference Participants