

**Institute of Transport Studies (ITS), The University of Hong Kong**  
**Tongji University Laboratory of Big Data Security for Transportation (BiDas-T)**

**Workshop on**  
**Electric Vehicles and Future Cities**

Date: 29 September, 2017 (Friday)

Time: 8:30 am – 12:30 pm

Venue: Room MB G-07, Main Building, The University of Hong Kong

**Free Admission!**

Prior registration is required. Please register with Mr. Bo Wang at  
[u3003074@connect.hku.hk](mailto:u3003074@connect.hku.hk)

This workshop is endorsed by the Chartered Institute of Logistics and Transport in Hong Kong (CILTHK) as a continuing professional development (CPD) activity (20 points).

## PROGRAMME SCHEDULE

08:30- 09:00	<b><i>Registration</i></b>
09:00- 09:15	<b><i>Opening Remarks</i></b> Professor Becky P.Y. Loo Professor, Department of Geography Director, Institute of Transport Studies The University of Hong Kong
<b><i>Photo-taking of All Invited Speakers, Guests and HKU ITS Fellows</i></b>	
<b>Academics</b>	
09:15- 09:35	<b><i>Innovation Driven, Green Economy and Green Mobility</i></b> Professor C.C. Chan Honorary Professor, University of Hong Kong Fellow, Royal Academy of Engineering UK Academician, Chinese Academy of Engineering Founding President, World Electric Vehicle Association & Electric Vehicle Association of Asia Pacific Founding Director, International Research Centre for Electric Vehicles Fellow, The Institute of Transport Studies, The University of Hong Kong (Presented by Dr. Chunhua Liu, City University of Hong Kong)
09:35- 09:55	<b><i>Risk Assessment of Electric Vehicles</i></b> Professor Huizhao Tu Assistant Dean, College of Transportation Engineering, Tongji University Vice Director, Lab of Big Data Security for Transportation, Tongji University
09:55- 10:15	<b><i>The Recent Promotion and Policy of Electric Vehicle Technology in Thailand</i></b> Dr. Yossapong Laoonual King Mongkut's University of Technology Thonburi President, The Electric Vehicle Association, Thailand
10:15- 10:35	<b><i>Impacts of Electric Carsharing on Urban Mobility: The Shanghai Case</i></b> Dr. Jianhong Ye Deputy Director, Department of Traffic Engineering, Tongji University
10:35- 10:55	<b><i>Coffee Break</i></b>
<b>VIPs from the Industry and Government</b>	
10:55- 11:15	<b><i>Accelerate the World's Transition to Sustainable Energy</i></b> Ms. Isabel Fan Regional Director, Tesla Hong Kong, Macau and Taiwan (Presented by Mr. Julian de Jonquieres, Tesla)
11:15- 11:35	<b><i>The Promotion of Electric Vehicles in Hong Kong: The Environmental Benefits and Challenges</i></b> Ir. Wai-chuen Mok Former Assistant Director (Air Policy), Environmental Protection Department, HKSAR Government Honorary Fellow, The Institute of Transport Studies, The University of Hong Kong

11:35- 11:55	<b><i>Electric Car Sharing: Status, Prospects and Paths – Example of EVCARD</i></b> Ms. Xi Li Director of Business Planning and Research, Global Car Sharing & Rental Co. LTD, Shanghai
11:55- 12:15	<b><i>Promoting Electric Vehicles with Advanced Transport Planning Concepts</i></b> Mr. Hamlyn Kuong Associate, Ove Arup & Partners Hong Kong Limited, Hong Kong, China
12:15- 12:30	<b><i>Closing Remarks</i></b> Professor Xinhua Li Professor, College of Transportation Engineering Director, BiDas-T Tongji University
12:30- 14:00	<b><i>Lunch (invited guests only)</i></b>

## ORGANIZERS

### **Becky P.Y. Loo**

Prof. Loo is Professor of Geography (Full Professor since 2009) at the University of Hong Kong. She serves as the Director of the Institute of Transport Studies at the University of Hong Kong. Her current research interests are transportation, e-technologies and society. In particular, she is interested in applying spatial analysis, surveys and statistical methods in analyzing pertinent issues related to sustainable transportation. Key issues that she has been tackling include carbon dioxide emissions from transport sources, regional transport infrastructure (including airports, ports and railways) and development, transit-oriented development and walkable communities, and road safety. In addition, she is conducting research on the pervasive effects of e-technologies (defined as microelectronics, informatics and telecommunications) on society. Professor Loo is Founding Editor-in-Chief of *Travel Behaviour and Society*, Associate Editor of the *Journal of Transport Geography* and *Transportmetrica A: Transport Science*. She is on the Editorial Boards of the *International Journal of Sustainable Transportation*, *Journal of Urban Technology*, *International Journal of Shipping and Transport Logistics*, and *Geographical Research*.



### **Xinhua Li**

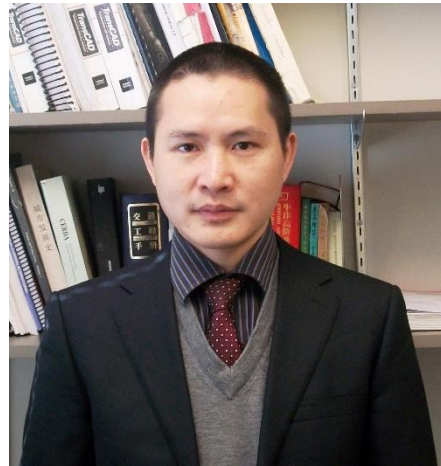
Prof. Li received his Ph.D. in Management Science and Engineering from Beihang University. He once was a visiting scholar at Duke University. He is currently the Professor with the College of Transportation Engineering, the Executive Director of the National Institute for Innovation & Development (NIID) and the Director of Lab of Big Data Security for Transportation at Tongji University, China. He also serves as Vice Chairman of the Expert Committee, China Highway & Transportation Society. Prior to joining the University, he was the Director-General, Transport Planning and Research Institute, Ministry of Transport, China. Prof. Li has a wide spectrum of research interests and expertise in China's national and regional long-term transportation strategy, planning and relevant policies, integrated transport planning, transport sustainable



development, and smart mobility, etc. He has published many refereed papers in both domestic and international academic journals and conference proceedings. He has actively participated in related studies and activities organized by the World Bank, Asian Development Bank, and ITF (International Transport Forum) under OECD.

### **Jiangping Zhou**

Dr. Zhou is currently the Associate Professor in the Department of Urban Planning and Design at The University of Hong Kong (HKU). He has brought much international experience, knowledge and network to his post at HKU. Prior to HKU, he was Lecturer (Assistant Professor) in Urban Planning at University of Queensland, Australia and Assistant Professor in Community and Regional Planning, Transportation and Sustainable Environments, Iowa State University, US. His primary research interests are in sustainable urban and transportation systems and



associated policy and planning studies, especially from a comparative perspective and based on emerging data such as cellular network data and smart card data. He serves on the congestion pricing standing committee of Transportation Research Board, the US. He is on editorial boards of *Urban and Rural Planning*, *China City Planning Review* and *Urban Planning International*. He is an oversea editor for *Urban Transport of China*. He was a member of Board of Directors of International Association for China Planning (2011-2015). He was a member of Board of Directors of International Association for China Planning (2011-2015). Before starting his academic career, he worked for Institute for Transportation and Development, Energy Foundation, University of California at Los Angeles (UCLA) and Federal Highway Administration, US Department of Transportation.

## GUEST SPEAKERS

(following the order of the programme)

### **C.C. Chan**

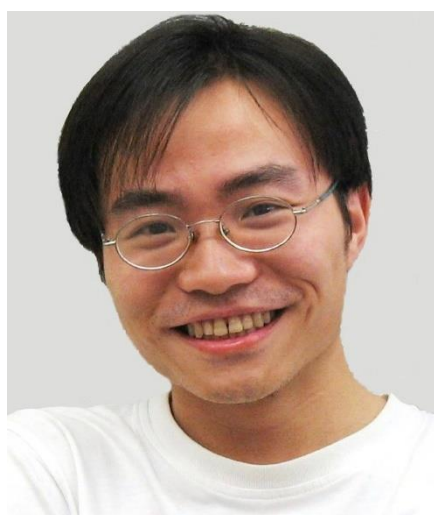
Prof. Chan is now the Honorary Professor at the Department of Electrical and Electronic Engineering, the University of Hong Kong. He has been actively involved in electric vehicle projects around the world. With his intelligence, hard work and determination, he accumulated extensive experience in electric engineering and paved the way for its success as one of the world's foremost authorities on electric vehicles. He has been named "Father of Asian Electric Vehicles" by *Global View Magazine* and "Asia's Best Technology Pioneer" by *Asiaweek*.



He serves as Visiting Professor of a number of well-known universities around the world, including MIT, University of California Berkeley, University of Cambridge, etc. He is Co-founder and the President of the World Electric Vehicle Association, the President of the Electric Vehicles Association of Asia Pacific, President of the Asian Electric Vehicle Society, and Past President of the Hong Kong Institution of Engineers. He serves as Senior Consultant to governments, Advisor or Independent Director of international leading companies. He is a Fellow of the Royal Academy of Engineering, U.K., the Chinese Academy of Engineering, the Ukraine Academy of Engineering Sciences, and the Hong Kong Academy of Engineering Sciences.

### **Chunhua Liu (Presenter on Behalf of Professor Chan)**

Dr. Liu received his B.Eng. and M.Eng. degrees in automatic control from Beijing Institute of Technology, China, in 2002 and 2005, respectively. He received his Ph.D. degree in electrical and electronic engineering from The University of Hong Kong in 2009. He currently serves as Assistant Professor at the School of Energy and Environment, City University of Hong Kong, Hong Kong. His research interests are in Electrical Energy and Power Technologies, including electric machines and drives, electric vehicles, electric ship and electric aircrafts, renewable energy and microgrid, wireless power transfer, and robotics. He is all-round in electrical and electronic engineering.



Dr. Liu is Senior Member of the IEEE and serves as Reviewer for over 36 international journals. He serves as Editor of IEEE Transactions of Vehicular Technology, Associate Editor of IET – Renewable Power Generation, Academic Editor of Energies, and

Editorial Board Member of Wireless Power Transfer from Cambridge Journals. He has published over 130 referred technical papers. His Google-Scholar Citations are over 3000 by August 2017.

### **Huizhao Tu**

Prof. Tu received the Ph.D. degree in Transport & Planning from Delft University of Technology, The Netherlands. He is currently the Full Professor with College of Transportation Engineering, at Tongji University, China. He also serves as the Vice Director of the Lab of Big Data Security for Transportation at Tongji University. His research interests include transport risk management, intelligent connected vehicles, emergency traffic management, travel behavior analysis. From 2003



to 2010, he participated in several Dutch projects on reliable traffic monitoring and emergency traffic management. From 2010 till now, he participated in several Chinese projects (e.g. three NSFC projects) in emergency driving behavior and transport risk assessment. He is an Associate Editor for the 16th IEEE International Conference on Intelligent Transportation Systems (The Hague, The Netherlands, 2013) and for the 17<sup>th</sup> IEEE International Conference on Intelligent Transportation Systems (Qingdao, China, 2014). He is the chair of *Joint Chinese-Dutch Seminar on Transportation Management and Travel Behaviour for Urban Emergencies: Past, Present, and Future Research* June 2014.

### **Yossapong Laoonual**

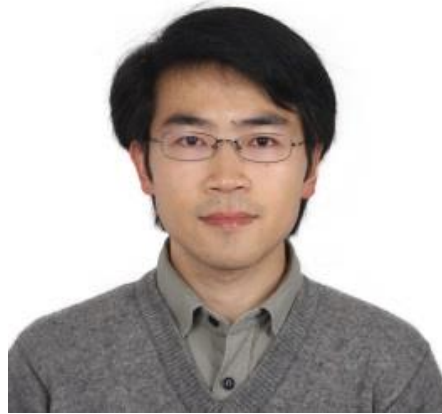
Dr. Laoonual is the Assistant Professor at the Department of Mechanical Engineering, Faculty of Engineering, King Mongkut's University of Technology Thonburi (KMUTT) and the President of Electric Vehicle Association of Thailand. He holds a PhD in Mechanical Engineering from Imperial College London. He has produced and contributed to a number of research papers in connection with the Powertrain, Alternative Fuels



and Policy for building the capability of science and technology in Thailand. He has served on a number of committees in both government levels and volunteer based society. He was an adviser on sub-committee on study of electric vehicle usage policy and investment promotion of electric vehicle industry, national legislative assembly. Currently he is a subcommittee on regulatory control of air pollution from motor vehicle, under pollution control committee, national environment board.

### **Jianhong Ye**

Dr. Ye is the Associate Professor in the College of Transportation Engineering, Tongji University. Dr. Ye obtained his PhD at Tongji University in 2009. Then he has been a postdoctoral research fellow at Portland State University. He joined the Department of Traffic Engineering in August 2012 and now serves as the Deputy Director of this department. His current research interests are focused on the low-carbon and shared use mobility. In particular, he is interested in understanding why people accept or not accept



shared use mobility, who are the frequent users of shared use mobility, in what circumstance the shared use mobility are used, and what the impacts shared use mobility have on travel behavior and urban transport. He is now conducting research on the impacts of electric carsharing on members' vehicle holding, vehicle usage and travel mode choice. He has presided two projects sponsored by National Natural Science Foundation of China (NSFC). He was selected as Shanghai Pujiang Talent and Tongji University Youth Talent. Recently he has published more than six journal papers cited by SCI.

### **Isabel Fan**

Ms. Isabel Fan is focused on driving Tesla's business growth with delightful experiences for customers in Hong Kong, Macau and Taiwan. She is now the Regional Director of Tesla Hong Kong, Macau and Taiwan. Tesla's goal is to accelerate the world's transition to sustainable energy with a full range of increasingly affordable electric cars. Her career includes twenty-five years at major corporations in U.S. and Asia Pacific. During this time, she spent 19 years working for Apple Inc. in Asia Pacific in channel retail development and enterprise and education market development. She has strong expertise in strategic planning, partnership management, sales operation with an emphasis on improving efficiency and productivity to drive results. Isabel has a strong passion for technology and how it works to enhance people's life.





**Julian de Jonquieres (Presenter on Behalf of Ms. Isabel Fan)**

Mr. Jonquieres is a graduate from University of Bristol, BSc in Politics and Sociology. He is currently the Senior Business Development Manager - APAC for Tesla, the Silicon Valley based electric vehicle manufacturer. His team is responsible for building partnerships with companies, organisations and utilities to expand Tesla's charging infrastructure and make the ownership of electric vehicles as convenient as possible for Tesla owners. He has worked across Asia for 10 years in China, Singapore and Hong Kong. He previously worked with Apple developing their education market and was part of the original team who rolled out the Apple Retail Stores in Hong Kong.



**Wai-Chuen Mok**

Mr. Wai-Chuen Mok holds a Bachelor's and Master's Degree of Science in Mechanical Engineering from the University of Hong Kong. He is a member of the Hong Kong Institution of Engineers, the Institution of Mechanical Engineers (UK) and the Institution of Engineering and Technology (UK). Mr. Mok started his career with the electric power industry. He then joined the Environmental Protection Department (EPD) of the Hong Kong Government in 1987 and was its Assistant Director on Air Policy from 2009 to his retirement in 2017. In EPD, Mr. Mok worked on various aspects of air quality management, including the formulation and implementation of policies and measures. Reducing vehicle emissions (including the promotion of green vehicle technologies) had been a major part of his responsibilities. Mr. Mok has now been appointed as an adviser of the Jockey Club Heavy Vehicle Emissions Testing and Research Center Steering Committee of the Vocational Training Council.



### **Xi Li**

Ms. Xi Li now is the Director of business planning and research section at the Global Car Sharing & Rental Company, LTD, which is the largest electronic vehicle sharing and rental company in China. She obtained her Master degree of Transportation Planning and Management at Tongji University. She has worked on car sharing related studies since 2016, mainly engaged in construction of electric vehicle international demonstration area, innovation in new energy vehicle business model, characteristics and pattern of car sharing based on



electric vehicles, the location and layout methodology of charging infrastructure, and the operation optimization. Li Xi also has over 10 years of broad experience in transport planning, policy, modelling, economics and engineering in the private and public sector in China, the Middle East, Africa, East Mediterranean and Eastern Europe.

### **Hamlyn Kuong**

Mr. Hamlyn Kuong is now an Associate with Ove Arup & Partners Hong Kong Limited with more than 17 years of professional experience in intelligent transport systems, strategic transport planning, major highways infrastructure construction, sustainable urban development master plans, comprehensive development traffic engineering designs and transport studies. Hamlyn is Arup's Intelligent Transport Systems skills leader in the East Asia region, as exemplified by his strong project management experience on the design and implementation of major ITS infrastructure in Hong Kong and Mainland China, including traffic



control and surveillance systems (TCSS), area traffic control systems, CCTV systems, smart transport systems, electric vehicles, etc. Hamlyn is recently involved in the Development of Kowloon East into a Smart City District Feasibility Study project in Hong Kong, whereby he studied the introduction of advanced smart mobility schemes and electric vehicle facilities in the future Kowloon East CBD.