

Eco Asia Conference 亞洲環保會議 2025 28 – 30 / 10 / 2025



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Green & Smart Mobility: Envisioning the Future of Transportation 綠色智慧出行 — 引領未來出行潮流

This session will focus on sustainable transportation solutions and technologies that enhance urban mobility while reducing environmental impact. It emphasises collaboration, technological advancements, and Hong Kong's role as a leader in the transition to greener, smarter transportation systems.

Date 日期：	30 / 10 / 2025 (Thursday) 2025 年 10 月 30 日 (星期四)
Time 時間：	2:30pm – 4:15pm 下午 2 時 30 分至 4 時 15 分
Venue 地點：	the STAGE, Hall 6, AsiaWorld-Expo 亞洲國際博覽館六號展館
Lead Partner 合作伙伴：	Hong Kong Productivity Council 香港生產力促進局
Language 語言：	English (with simultaneous interpretation in Cantonese and Mandarin) 英語 (現場設有廣東話及普通話即時傳譯)

Subject to change, updated as of 16 September 2025

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Green & Smart Mobility: Envisioning the Future of Transportation

綠色智慧出行 — 引領未來出行潮流

2:30pm 2:45pm	Overview of the Current Trends in Green Transportation & Breakthrough Technological Advancement in EV Charging at 3000kW and EV Fire Safety 綠色交通的當前趨勢概述和電動車充電的突破性技術進步至 3000kW 及消防保護 Ir Prof Daniel M Cheng, BBS, MH, JP 鄭文聰教授 銅紫荊星章, 榮譽勳章, 太平紳士 Managing Director, Dunwell Technology (Holdings) Ltd 正昌科技(集團)有限公司董事總經理
2:45pm 3:00pm	Electric Minibus and Autonomous Driving Development in Hong Kong 香港電動小巴與自動駕駛發展 Mr August Or 柯凱彬先生 General Manager, E. Tech Dynamic Technology Co., Ltd. 億達動力科技有限公司總經理
3:00pm 3:15pm	Maritime Unmanned Systems Empowering Future Mobility and Regulation 海上無人系統集群賦能未來出行與監管 Mr Tyler Liu 劉逸濤先生 General Manager Assistant, See & Sea Tech HK 海天通路(香港)科技有限公司總經理助理
3:15pm 3:30pm	From Harbour to Horizon: Empowering Southeast Asia's Shared Green Micromobility with Hong Kong Innovation 從維港出發, 邁向新視野: 以香港創新賦能東南亞共享綠色微出行 Mr Ken Ching 程俊豪先生 CEO 行政總裁 LocoBike
3:30pm 4:15pm	Panel Discussion 討論環節 Moderator 主持人: Dr Rick Mo 莫天德博士 Head of Business Development and Commercialisation Centre of Advanced Power and Autonomous Systems Hong Kong Productivity Council 香港生產力促進局先進能源及智慧交通中心技術及商品化主管 Panellists 與會者: - Ir Prof Daniel M Cheng, BBS, MH, JP - Mr August Or - Mr Tyler Liu - Mr Steve Ng 吳君寶先生 General Manager, LocoBike LocoBike 總經理

Moderator 主持人



Dr Rick Mo 莫天德博士

**Head of Business Development and Commercialisation
Centre of Advanced Power and Autonomous Systems
Hong Kong Productivity Council**

香港生產力促進局先進能源及智慧交通中心技術及商品化主管



Dr. Rick Mo possesses over 23 years of combined academic and industrial experience, having led the management of more than 30 multi-million-dollar research and development projects under the Hong Kong Innovation and Technology Fund. These projects cover areas such as electric vehicles, hydrogen-powered vehicles, charging stations, battery systems, autonomous driving technology, and smart transportation. He holds over 30 granted patents and has published more than 30 research papers. He is the Vice Chairman of Connected Vehicle of the Society of Automotive Engineers, Hong Kong Section (SAE-HK). He is also a Professional Member of the Association for Computing Machinery (ACM) and Publishing Committee Member of International Association of Applied Science and Technology (IAAST).

莫天德博士擁有逾 23 年學術與產業跨界經驗，曾主導管理超過 30 項香港創新科技基金旗下的百萬級別研發專案，研究領域涵蓋電動汽車、氫燃料電池汽車、充電設施、電池系統、自動駕駛技術及智慧交通。他持有超過 30 項授權專利，並發表逾 30 篇學術論文。擔任國際汽車工程師學會香港分會智慧網聯汽車委員會副主席，同時擔任國際電腦學會專業會員及國際應用科學與技術協會出版委員會委員。

2:30pm – 2:45pm

Overview of the Current Trends in Green Transportation & Breakthrough Technological Advancement in EV Charging at 3000kW and EV Fire Safety



Ir Professor Daniel M. Cheng BBS, MH, JP is the Managing Director of Dunwell Technology (Holdings) Ltd., President of Hong Kong Environmental Industries Association, Board member of Business Environment Council and Deputy Chairman of Hong Kong Green Strategy Alliance, Deputy Chairman of Guangdong Nuclear Power Stations Nuclear Safety Consultative Committee, Honorary President and Honorary Fellow of Guangdong-Hong Kong-Macao-Bay Area Economic And Trade Association, Chairman (Environmental Industry) of Hong Kong Federation of Innovative Technologies and Manufacturing Industries (FITMI), Prof Cheng was the Chairman (Yr. 2015– 2017) and currently Honorary President of Federation of Hong Kong Industries. For HKSAR Government, he is serving as Member of The Council for Carbon Neutrality and Sustainable Development. Prof Cheng has also served as a member of several key Hong Kong government committees, including the Council for Carbon Neutrality and Sustainable Development, the Committee on Innovation and Strategic Development, the Recycling Fund Advisory Committee, the Water Resources and Water Quality Advisory Committee, the Energy Advisory Committee, the Trade and Industry Advisory Board, and the Committee on Innovation and Re-industrialization.

鄭文聰教授 BBS MH JP 現為正昌科技（集團）有限公司董事總經理、香港環保產業協會會長、商界環保協會董事會成員、香港綠色策略聯盟副主席、廣東核電站核安全諮詢委員會副主席、粵港澳大灣區經貿協會榮譽會長及榮譽院士、香港創新科技及製造業聯合總會 - 行業(環保)主席、鄭教授於 2015 至 2017 年曾任香港工業總會主席亦為該會現任名譽會長。此外，鄭教授現為香港政府碳中和及可持續發展委員會委員，亦曾任香港政府多個重要委員會的成員，包括碳中和及可持續發展委員會、創新及策略發展委員會、回收基金諮詢委員會、水資源與水質諮詢委員會、能源委員會、工業貿易諮詢委員會，以及科技及再工業化委員會等。

Overview of the Current Trends in Green Transportation & Breakthrough Technological Advancement in EV Charging at 3000kW and EV Fire Safety 綠色交通的當前趨勢概述和電動車充電的突破性技術進步至 3000kW 及消防保護

As the development of new energy vehicles (EVs) accelerates rapidly across the country, the demand for corresponding power supply and charging infrastructure is also upgrading. Currently, EV manufacturers such as BYD, Xiaomi, GAC, Tesla and etc are planning to introduce high-speed charging vehicles with 800V systems and charging capacities of 400-800kW by 2026. This necessitates improvements in charging speed both in Mainland China and Hong Kong to support the "North-to-South" vehicles development strategy.

Presently, Hong Kong is mainly promoting charging stations with capacities of 22-100kW; however, there is no coordinated plan for ultra-fast chargers with 400 to 800kW. Through this conference, we aim to share that Hong Kong has developed a single 3000kW charging gun technology, which has begun to expand into the fast-charging markets in Mainland China and internationally.

Additionally, we will introduce a fire suppression system for lithium-ion batteries. When a large number of lithium battery vehicles undergo high-speed charging, effective fire-fighting methods are still lacking, turning such incidents into potential crises. We will discuss the development of new lithium battery fire suppression technologies also.

隨着國家新能源汽車發展迅速，供電及充電設備亦需要配合。現時比亞迪，小米，廣汽，Tesla 等 EV 電車生產商在 2026 年都在推出 800V 及 400-800kW 等高速充電車輛，因此內地及香港都有需要提高充電速度來配合，以配合「北車南下」的發展。現時香港主要在推動 22-100kW 之充電裝置，但是 400 至 800kW 等裝置未有統籌。希望通過是次交流，能與大家分享香港已發明了可供一支 3000kW 槍技術，亦開始在內地及國外打開閃快充市場。同時亦會介紹一個新能源鋰電池的滅火技術及系統。因當大量鋰電池汽車在高速充電之時，但現時還沒有很有效的滅火方法，就每變成危機。會與大家探討新鋰電池滅火技術的發展。

2:45pm – 3:00pm	Electric Minibus and Autonomous Driving Development in Hong Kong 香港電動小巴與自動駕駛發展
 	August OR has participated in multiple government R&D projects, involving project research, development, production, import requirements, and product delivery. E. Tech Dynamic Technology Co., Ltd. specializes in the research, development, and promotion of new energy commercial vehicles and autonomous driving technologies. In recent years, we have focused our efforts on the development and implementation of electric minibuses, electric buses, and autonomous driving projects in Hong Kong. Through an in-depth understanding of the local market and customer needs, we have developed practical and localized products tailored to various operational scenarios. In alignment with the Hong Kong government's vision of promoting green mobility and smart transportation, we have taken the lead in researching, developing, and testing autonomous driving technologies, actively integrating cutting-edge innovations such as 5G communication, artificial intelligence, and vehicle networking. Looking ahead, we will continue to advance technological innovation and cross-sector collaboration, contributing to the realization of a low-carbon, intelligent, and sustainable transportation future for Hong Kong and the Greater Bay Area.
Electric Minibus and Autonomous Driving Development in Hong Kong 香港電動小巴與自動駕駛發展 Mainly introduces E.Tech's investment and development in electric minibuses, buses, and autonomous driving in Hong Kong over the past few years. Through an in-depth understanding of the needs of Hong Kong customers, we have developed practical and localized products. At the same time, to align with the Hong Kong government's development direction, we have also taken early steps in the research, development, and deployment of autonomous driving technologies.	

3:00pm – 3:15pm	Maritime Unmanned Systems Empowering Future Mobility and Regulation 海上無人系統集群賦能未來出行與監管
 	Former Director of Telecommunication Department at Beijing Research Institute of Onespace Technology Former R&D Lead of Air-Ground Communication Systems at Xpeng Aridge Led the development of multiple mainstream domestic special UAV telecommunication systems 前零壹空間科技有限公司北京研究院測控通信部總監 前小鵬匯天空地通信系統研發負責人 曾主導多款國內主流特種無人機空地資料鏈及資料鏈系統
Maritime Unmanned Systems Empowering Future Mobility and Regulation 海上無人系統集群賦能未來出行與監管 How unmanned maritime system swarms can open up a new frontier for Hong Kong's future mobility of people and goods, along with daily environmental monitoring. 如何利用海上無人系統集群，為香港的未來人員物資出行和日常環境監管開闢一片全新的“藍海”	

3:15pm – 3:30pm

From Harbour to Horizon: Empowering Southeast Asia's Shared Green Micromobility with Hong Kong Innovation



locobike

Ken Ching, awardee of the 4th Guangdong-Hong Kong-Macao Greater Bay Area Outstanding Young Entrepreneur, holds a Bachelor's in Computer Engineering and a Master's in Information Technology from HKUST, and is pursuing a PhD in AIoT at City University of Hong Kong.

He began his career at iASPEC, where he contributed to a pioneering project developing the first digital signing kernel for pharmacy applications, later widely adopted by the Hospital Authority to enhance healthcare security and efficiency. He then joined eBay Classified Group as the youngest engineer on its Asia Pacific team, supporting platform development across Hong Kong, Taiwan, Singapore, and Australia.

Ken's entrepreneurial journey started in 2014 with ventures in e-commerce and F&B. In 2017, he founded LocoBike, a leading bike-sharing service in Hong Kong, built on IoT and Machine Learning technologies to improve user experience, safety, and bicycle management. Under his leadership, LocoBike has grown into one of the city's most popular micro-mobility brands, promoting convenient, affordable, and eco-friendly transportation.

Beyond business, Ken is actively engaged in community initiatives advocating micro-mobility and sustainable living. He believes shared mobility can ease congestion, improve air quality, and encourage healthier lifestyles. With his expertise in technology and passion for green mobility, Ken aims to position LocoBike as a key player in the global sustainable transportation market.

程俊豪榮獲第四屆粵港澳大灣區傑出青年企業家獎，畢業於香港科技大學電腦工程學士及資訊科技碩士，現正於香港城市大學攻讀人工智慧物聯網（AIoT）博士學位。

他最初於 iASPEC 展開事業，參與開發首個應用於藥房的電子簽署核心系統，後被醫院管理局廣泛採用，大幅提升醫療流程的安全與效率。其後他加入 eBay Classified Group，成為亞太區最年輕工程師，支援香港、台灣、新加坡及澳洲的平台發展。

2014 年起，程俊豪展開創業之路，涉足電商及餐飲等行業。2017 年，他創辦 LocoBike，旨在為香港市民提供便捷、實惠及環保的單車共享服務。公司運用物聯網及機器學習技術，優化用戶體驗、提升單車安全與管理效率。在他的帶領下，LocoBike 已成為本地受歡迎的共享單車品牌，推動微出行發展。

除商業外，程俊豪積極推廣微出行與可持續生活，認為共享出行能舒緩交通擠塞、改善空氣質素及促進健康生活。他期望憑藉專業與願景，帶領 LocoBike 邁向全球綠色交通市場的重要角色。

From Harbour to Horizon:

Empowering Southeast Asia's Shared Green Micromobility with Hong Kong Innovation

從維港出發，邁向新視野：以香港創新賦能東南亞共享綠色微出行

Explores how Hong Kong's innovations in AI, IoT, and smart mobility can accelerate the growth of green micromobility across Southeast Asia. Drawing on Hong Kong's experience with shared bicycles, e-scooters, and electric-assist solutions, the presentation highlights scalable models for easing congestion, reducing emissions, and supporting sustainable urban living. It will also examine collaboration opportunities with governments, startups, and regional partners to overcome regulatory and infrastructure challenges. The session emphasizes how Hong Kong's innovation ecosystem can empower Southeast Asia to move toward cleaner, more connected, and resilient mobility solutions.

將探討香港在人工智慧、物聯網及智慧出行方面的創新，如何推動東南亞綠色微出行的發展。演講將分享香港在共享單車、電動滑板車及電動輔助單車上的成功經驗，展示可複製的模式以舒緩交通擠塞、減少排放並促進可持續城市生活。同時，將探討與政府、初創及區域合作夥伴的協作機會，以應對監管及基建挑戰，助力東南亞邁向更潔淨、連結與具韌性的交通未來。



locobike

Steve Ng is the General Manager at LocoBike, a leading smart mobility platform in Hong Kong. With over 18 years of experience as a CEO, founder, and product & engineering lead, Steve has played pivotal roles in shaping the technology and e-commerce landscape across multiple renowned startups, including HKTV, Offbeat Technology, PwC New Venture and Yahoo. He is recognized for his passion for technology, artificial intelligence, user experience, and business development, driving innovation and digital transformation in every venture he leads.

Throughout his career, Steve has excelled at building and scaling teams, launching disruptive products, and fostering cross-functional collaboration. At HKTV, he contributed to the development of Hong Kong's largest online shopping platform, while at Offbeat Technology, he helped break down barriers in cross-border e-commerce. Steve's leadership at LocoBike is marked by a commitment to leveraging AI and smart technology to improve urban mobility for over 650k users.

Guided by a personal vision to make a better world, Steve continues to champion impactful solutions that blend technology with social good. His work reflects a dedication to creating meaningful change, inspiring teams, and enhancing everyday life through innovation.

吳君寶現任香港領先的智慧出行平台 LocoBike 總經理，擁有超過十八年創業與領導經驗，曾擔任行政總裁、創辦人及產品與工程主管等職位。吳君寶在多間知名初創企業中均擔當關鍵角色，包括香港電視 HKTV、Offbeat Technology、普華永道新創事業部及雅虎等，對推動本地科技與電子商務發展貢獻良多。

他熱衷於科技創新、人工智能、用戶體驗及商業拓展，並在每一個項目中以數碼轉型為目標，推動產品革新及營運效率提升。職業生涯中，他善於建立並擴展跨職能團隊，推出具顛覆性的產品及促進跨界合作。在 HKTV 期間，他參與建設全港最大的網上購物平台；於 Offbeat Technology，他推動了跨境電商的新模式；而在 LocoBike，他致力運用人工智能與智慧科技，改善城市出行體驗，服務超過六十五萬名用戶。

秉持「以科技改善生活」的理念，吳君寶一直專注於推動能結合創新與社會價值的實際方案。他相信科技的核心意義在於解決現實問題，讓城市運作更高效、生活更便利。