

30th Anniversary

HKWMA International Symposium on

Sustainable Waste Management towards Carbon Neutrality

Conference Proceedings

LT-B, The Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, China

6-7 June 2024

Organiser:



香港廢物管理學會 Hong Kong Waste Management Association

Co-Organisers:



Supporting Organisation:



30th Anniversary HKWMA International Symposium on

Sustainable Waste Management towards Carbon Neutrality

6-7 June 2024

Conference Programme				
6 June 2024 (Venue: Lecture Theatre B (LT-B), The Hong Kong University of Science and Technology)				
08:30-09:00	Registration			
09:00-09:40	Opening Ceremony			
	Opening Address: 30th Anniversary of HKWMA			
09:00-09:05	Ir Prof. Dan Tsang			
09.00-09.03	Department of Civil and Environmental Engineering, The Hong Kong University of			
	Science and Technology, Hong Kong			
	Welcome Speech: The Way Forward for Waste Management in Hong Kong			
09:05-09:35	Dr. Samuel Chui, JP			
	Director, Environmental Protection Department, Hong Kong SAR Government			
09:35-09:40	Group Photo (inside Lecture Theatre B)			
	Keynote Speech: Association of Pacific Rim Universities — Sustainable Waste			
	Management State Cl. Cl.			
09:40-10:10	Prof. Yong Sik Ok			
	Program Director and Chair, APRU Sustainable Waste Management Professor, Division of Environmental Science and Ecological Engineering, Korea			
	University, Seoul, Korea			
10:10-10:30	Coffee Break			
10.10-10.50	Keynote Speech: Sustainable Waste Management in San Francisco and			
	California			
10:30-11:00	Prof. William Mitch			
10.00 11.00	Professor, Department of Civil and Environmental Engineering, Stanford Doerr			
	School of Sustainability, Stanford University, California, USA			
	Keynote Speech: Waste-to-Energy Treatment and Resource Recovery in China			
11:00-11:30	Prof. Jianhua Yan			
11:00-11:30	Professor, State Key Laboratory of Clean Energy Utilization, Zhejiang University,			
	Hangzhou, China			
	Invited Speech: The Decarbonisation Journey of Converting Waste into			
	Renewable Fuels			
11:30-11:50	Ir Norman Cheng			
	Past Chairman of HKWMA, Veolia Environmental Services Hong Kong Limited,			
	Hong Kong			
	Invited Speech: Opportunities from Chemical Wastes to Resources – A 30-Year			
11:50-12:10	Testimony from An Independent Recycling Company of Hong Kong Mr. Victor Li			
	Past Chairman of HKWMA, Dunwell Group, Hong Kong			
12:10-13:30	Lunch			
12.10-13.50	Keynote Speech: The Road to Carbon Neutrality in Asia Pacific			
13:30-14:00	Prof. Rajasekhar Balasubramanian			
	Provost's Chair Professor, Department of Civil and Environmental Engineering,			
	National University of Singapore, Singapore			
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	Keynote Speech: Importance of Risk Management in Sustainable Waste		
14:00-14:30	Management — Too Often Overlooked		
	Prof. Mark Milke		
	Professor, Civil and Natural Resources Engineering, University of Canterbury,		
	Christchurch, New Zealand		
	Invited Speech: Developing Hong Kong's Waste Infrastructure to Turn Waste to		
14:30-14:50	Treasure		
	Ir Andy Chan		
	Technical Director, Binnies Hong Kong Limited, Hong Kong		
14:50-15:10	Invited Speech: Engineering Design for Waste Management Facilities and		
	Building Projects to Achieve Carbon Emission Reduction in Asia Ir Rex Lai		
	Chief Operating Officer, WSP Hong Kong Limited		
15:10-15:30	Coffee Break		
13.10-13.50	Keynote Speech: Recent Advances in Biomass and Plastic Waste Valorization		
	Prof. Shurong Wang		
15:30-16:00	Professor, State Key Laboratory of Clean Energy Utilization, Zhejiang University,		
	Hangzhou, China		
16:00-16:30	Keynote Speech: Advanced Pollution Control for Waste-to-Energy Facilities		
	Prof. Yifei Sun		
	Professor, School of Energy and Power Engineering, Beihang University, Beijing,		
	China		
16:30-17:00	Keynote Speech: Green Chemistry and Sustainable Biorefinery for Value-Added		
	Waste Recycling		
	Prof. Laszlo Mika		
	Professor, Department of Chemical and Environmental Process Engineering,		
	Budapest University of Technology and Economics, Budapest, Hungary		
17:00-17:20	Invited Speech: Scaling-up Actions for Sustainable Waste Management: Solutions and Innovations		
	Ir Dr. Alex Gbaguidi		
	Head of Environment and Sustainability, SMEC Asia Limited, Hong Kong		
	Invited Speech: Zero Waste Design Guidelines for High Density Cities — What		
17:20-17:40	Hong Kong Could Learn from Others		
	Ms Fiona Sykes		
	Associate, Ove Arup & Partners Hong Kong Ltd, Hong Kong		

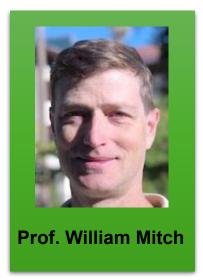
7 June 2024 (Venue: Lecture Theatre B (LT-B), The Hong Kong University of Science and Technology)				
	Keynote Speech: Waste Management and ESG in Australia			
09:00-09:30	Prof. Ali Abbas			
09.00-09.30	Professor, School of Chemical and Biomolecular Engineering, The University Of			
	Sydney, Sydney, Australia			
	Keynote Speech: Low-Carbon Treatment and Reuse of Industrial Waste			
09:30-10:00	Prof. Wengui Li			
	ARC Future Fellow, Scientia Associate Professor, School of Civil and			
	Environmental Engineering, The University of New South Wales, Sydney,			
	Australia			
10:00-10:20	Invited Speech: A World without Waste: Our Circular Economy Model			
	Ir Kenny Wong			
	Past Chairman of HKWMA, ALBA Integrated Waste Solutions (Hong Kong)			
	Limited, Hong Kong			
	Invited Speech: Reclamation of Mineral Resources from Spent Rechargeable			
	Batteries			
10:20-10:40	Ir Prof. Kaimin Shih			
	Past Chairman of HKWMA, Department of Civil Engineering, The University of			
	Hong Kong, Hong Kong			
10:40-11:00	Coffee Break			
	Keynote Speech: Resource Circularity of Critical Metals for Electric Vehicles			
11:00-11:30	Prof. Dan Alessi			
	Professor, Faculty of Science - Earth & Atmospheric Sciences, University of			
	Alberta, Edmonton, Canada Kounata Spaceh, Wasta Tractment for Sustainable Bradust Development in			
	Keynote Speech: Waste Treatment for Sustainable Product Development in Singapore			
11:30-12:00	Prof. Grzegorz Lisak			
11.50 12.00	Director, Residues and Resource Reclamation Centre, Nanyang Technological			
	University, Singapore			
	Keynote Speech: Sustainable Food Waste Recycling for Hotels in Las Vegas			
	Prof. Eakalak Khan			
12:00-12:30	Professor, Civil and Environmental Engineering and Construction Department,			
	University of Nevada at Las Vegas, Nevada, USA			
	Invited Speech: Unlocking Synergies: Waste Management and Carbon Market			
12.20 12.50	for Sustainable Development			
12:30-12:50	Dr. Grace He			
	Senior Consultant, Climate and Sustainability, Deloitte China, Hong Kong			
12:50-13:10	Invited Speech: The Evolution of Waste Management in Hong Kong in the Past			
	30 Years and Our Directions Forward			
	Ir Louis Chan			
	Past Chairman of HKWMA, China Harbour Engineering Company Limited, Hong			
	Kong			
13:10-14:15	Lunch			
14:15-17:30	Half-Day Site Visit			
	EcoPark HK (battery, biochar, WEEE, etc.)			

Keynote Speakers

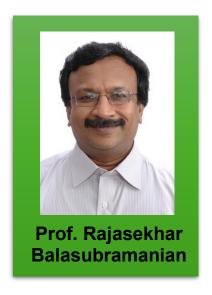












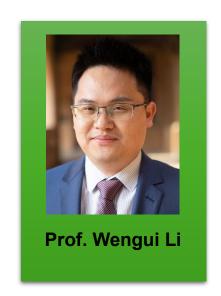






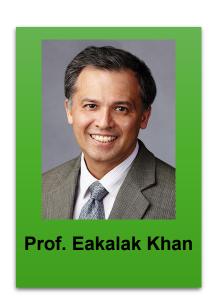












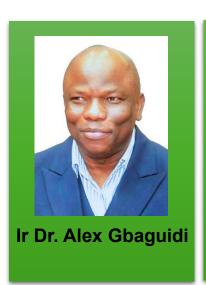
Invited Speakers















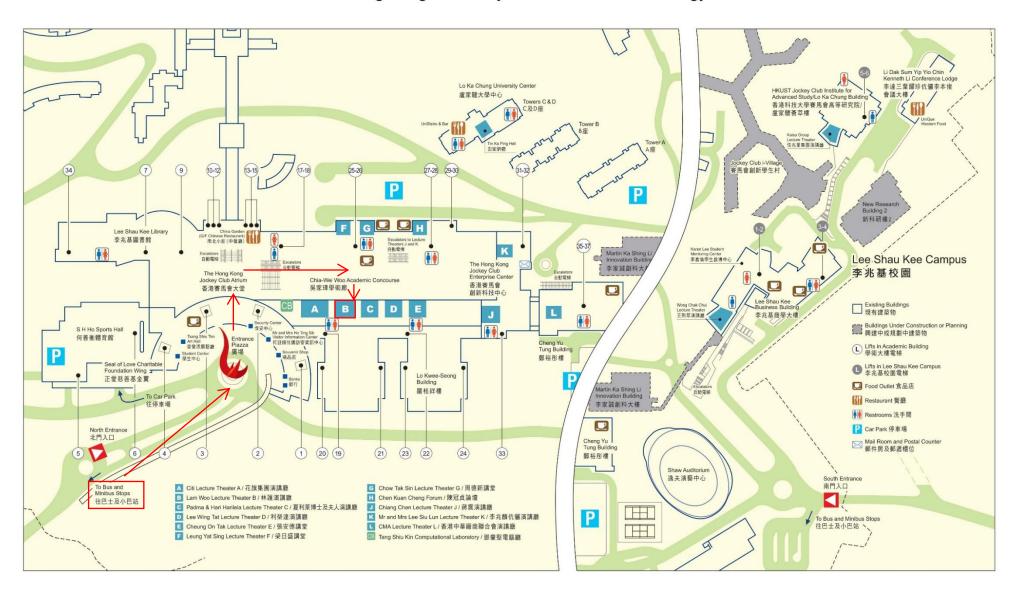






Lecture Theaters and Lift Location

The Hong Kong University of Science and Technology



LOCATION MAP

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY



MTR Stations with bus or green minibus service to HKUST 提供往科大巴士或綠色專綫小巴服務的港鐵車站					
Diamond Hill 鑽石山:	91, 91M, 91P*				
Choi Hung 彩虹:	91, 91M, 91P*	## 11, 11S#			
Ngau Tau Kok 牛頭角:		104 104			
Tiu Keng Leng 調景嶺:	792M				
Hang Hau 坑口:	91M	🚐 11, 11M, 11S#			
Po Lam 寶琳:	₩ 91M	₽ 12, 11S#			
Tseung Kwan O 將軍澳:	792M				

Transportation from airport to HKUST:

For passengers with bulky luggage, taking a taxi to HKUST direct is recommended. Those with simple luggage may take Airport Bus A22 to Lam Tin MTR station or A29 to Po Lam MTR station, and change for taxi to HKUST.

Bus Routes 巴士路綫

Creen Minibus Routes 綠色專綫小巴路綫

- * Departing from Diamond Hill Station at 07:55 08:50 to North Bus Station (HKUST) Monday to Friday (except Public Holidays) 星期一至星期五(公眾假期除外)・於07:55至08:50由鑽石山鐵路站前往北門巴士站(香港科技大學)
- # Departing from Po Lam (Public Transport Interchange) at midnight 12:00 to 05:00 to North Bus Station (HKUST) 午夜12:00至05:00由實林(公共交通交匯處)前往北門巴士站(香港科技大學)