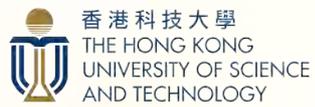


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Communications Office

2nd International Conference on Thermal Treatment and Resource Recovery (2nd T2R2)

Conference Programme

14-17 December 2025

Hong Kong University of Science and Technology,
Hong Kong SAR

2nd International Conference on Thermal Treatment and Resource Recovery (2nd T2R2)

14-17 December 2025

Conference Programme (Tentative)

15 December 2025

Venue: LTE, The Hong Kong University of Science and Technology

Session Chair: Ir Prof. Dan Tsang, The Hong Kong University of Science and Technology, China

8:30-9:00	Registration
09:00-09:05	Opening Address Ir Prof. Dan Tsang Professor, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China
09:05-09:10	Group Photo (inside Lecture Theatre E)
09:10-09:30	Keynote Speech: Recycled Nano-Micro Cellulose Multi-Filament Fiber (CMF) and Engineered Scrap Tire Fiber (STF) for Concrete: Applications with Sensing Prof. Nemkumar (Nemy) Banthia Professor, Department of Civil Engineering, The University of British Columbia, Vancouver, Canada
09:30-09:50	Keynote Speech: CARE – Climate-Neutral And Resource-Efficient Construction Prof. Viktor Mechtcherine Professor, Institute of Construction Materials, TUD – Dresden University of Technology, Dresden, Germany
09:50-10:10	Keynote Speech: Green Construction Materials from Drinking Water Treatment Sludge Prof. Yan Zhuge Professor, UniSA STEM, University of South Australia, South Australia, Australia
10:10-10:30	Keynote Speech: Case Studies on Utilization of Solid Waste from Different Sources in China Prof. Yamei Zhang Professor, School of Materials Science and Engineering, Southeast University, Nanjing, China
10:30-10:45	Coffee Break
10:45-11:05	Keynote Speech: Transforming Thermal Residues into Resources: Mineral Recovery from Waste Ashes for Sustainable Construction Materials Prof. Guang Ye Professor, Section of Materials and Environment, Delft University of Technology, Delft, the Netherlands
11:05-11:25	Keynote Speech: Biomass Carbons for CO₂ Removal Prof. Ondrej Masek Professor, UK Biochar Research Centre, School of GeoSciences, The University of Edinburgh, Edinburgh, UK
11:25-11:45	Keynote Speech: Low-Carbon Sustainable Construction : Building a Resource-Efficient Future Prof. Kim Meow Liew Professor, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, China

11:45-12:05	Keynote Speech: Producing Green Hydrogen from Wastewater Treatment using Low Carbon PEC Technology: Prototype Design and Study Prof. Irene Lo Professor, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China
12:05-12:25	Keynote Speech: Distributed Sensors for Industrial Monitoring and Environmental Protection Prof. Roya Maboudian Professor, Department of Chemical and Biomolecular Engineering, University of California, Berkeley, California, USA
12:25-12:45	Keynote Speech: Turning Waste into Resources: Cement Kiln Dust Application to Croplands Prof. Scott Chang Professor, Department of Renewable Resources, University of Alberta, Edmonton, Canada
12:45-13:05	Keynote Speech: Electrochemical Generation of Hydroxide and Hydrogen Peroxide for Hydrolysis of Sulfuryl Fluoride Fumigant Prof. William Mitch Professor, Department of Civil and Environmental Engineering, Stanford University, Stanford, USA
13:05-14:00	Lunch

SGCM Symposium

Date: 15 December 2025

Conference Programme	
15 December 2025	
Venue: LTH, The Hong Kong University of Science and Technology	
Session Moderator: Dr. Chao Zhang, The Hong Kong University of Science and Technology, China	
14:00-14:20	Keynote Speech: Performance and Durability of LC3-Like Cement-based Materials Prof. Kejin Wang Professor, Department of Civil, Construction and Environmental Engineering, Iowa State University, Ames, USA
14:20-14:40	Keynote Speech: Assessing and Understanding LCA of Alkali-activated Materials Prof. John Provis Professor, PSI Center for Nuclear Engineering and Sciences, Paul Scherrer Institute, Villigen, Switzerland
14:40-15:00	Keynote Speech: Toward Lower-Carbon and More Affordable Ultra-High-Performance Concrete Through Reduced Steel Fiber Use Prof. Doo-Yeol Yoo Professor, Department of Architecture and Architectural Engineering, Yonsei University, Seoul, Republic of Korea
15:00-15:20	Keynote Speech: Prof. Sze Dai Pang Professor, Department of Civil and Environmental Engineering, National University of Singapore, Singapore
15:20-15:35	Coffee Break

15:35-15:55	Keynote Speech: Transforming Incineration Sewage Sludge Ash into Green Construction Materials by Multiple Activations Prof. Lei Wang Professor, College of Energy Engineering, Zhejiang University, Hangzhou, China
15:55-16:15	Keynote Speech: Integrating Molecular Dynamics and DFT Calculations to Elucidate Polymer-Solvent Interactions Prof. Zhishan Su Professor, College of Chemistry, Sichuan University, Chengdu, China
16:15-16:35	Keynote Speech: Smart Design of Waste Plastic-derived Porous Carbon Towards Energy and Environmental Sustainability Prof. Xiangzhou Yuan Professor, School of Energy and Environment, Southeast University, Nanjing, China
16:35-16:55	Keynote Speech: Next-Generation Multifunctional Concrete Toward Smart and Sustainable Infrastructure Prof. Wengui Li Professor, School of Civil and Environmental Engineering, University of New South Wales, Sydney, Australia
16:55-17:15	Keynote Speech: A Combined Biochar and Biomineralization Approach for Enhanced Heavy Metal Immobilization Prof. Zhengtao Shen Professor, School of Earth Sciences and Engineering, Nanjing University, Nanjing, China
17:15-17:35	Keynote Speech: Thermal Activation of Low-purity Clays: Connecting Mineralogy to Chemical Reactivity Prof. Susan Bernal Lopez Professor, Department of Architecture and Civil Engineering, University of Bath, University of Bath, Bath, UK
17:35-17:55	Keynote Speech: Maximising Value of Industrial Wastes and Carbon Capture for a Net Zero Built Environment Prof. Cise Unluer Professor, Department of Civil Engineering and Management, University of Manchester, Manchester, UK
17:55-18:15	Keynote Speech: Prof. Greeshma Gadikota Professor, Department of Earth and Environmental Engineering, Columbia University, New York, USA

Resources Recovery Session

Date: 15 December 2025

Conference Programme

15 December 2025

Venue: 4579, The Hong Kong University of Science and Technology

Session Moderator: Dr. Zibo Xu, The Hong Kong University of Science and Technology, China

14:00-14:20	Keynote Speech: Closing the Loop: Thermal Treatment and Material Valorisation Pathways for a Circular Construction Future Prof. Ailar Hajimohammadi Professor, School of Civil and Environmental Engineering, University of New South Wales, Sydney, Australia
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14:20-14:40	<p>Keynote Speech: Value-added Uses of the Carbon Black Co-product of Methane Pyrolysis Prof. Daniel S. Alessi Professor, Department of Earth and Planetary Sciences, The University of Texas at Austin, Texas, USA</p>
14:40-15:00	<p>Keynote Speech: Ir. Andy Chan Technical Director, Binnies Hong Kong Limited, Hong Kong, China</p>
15:00-15:20	<p>Keynote Speech: Nutrient Recovery by Donnan Dialysis: Adoption of Alternative Draw Solutions, Application to Challenging Wastes, and New Reactor Configurations for Process Scale-up Prof. Lee Blaney Professor, Department of Chemical, Biochemical and Environmental Engineering, University of Maryland, Baltimore County, Baltimore, USA</p>
15:20-15:35	Coffee Break
15:35-15:55	<p>Keynote Speech: Unveiling the hidden gem: trace pyrite identification in waste rock piles via spectral induced polarization Prof. Bate Bate Professor, Institute of Geotechnical Engineering, Zhejiang University, Hangzhou, China</p>
15:55-16:15	<p>Keynote Speech: Solvothermal Conversion of Organic Wastes for Sustainable Resource Recovery and Pollution Control Prof. Shicheng Zhang Professor, Department of Environmental Science and Engineering, Fudan University, Shanghai, China</p>
16:15-16:35	<p>Keynote Speech: Self-assembly of Lignin and the Applications of Lignin Nanoparticles Prof. Zhicheng Jiang Professor, College of Biomass Science and Engineering, Sichuan University, Chengdu, China</p>
16:35-16:55	<p>Keynote Speech: Sustainable Biochar: Market Development and Commercialization to Achieve ESG Goals Prof. Yong Sik Ok Professor, Division of Environmental Science and Ecological Engineering, Korea University, Seoul, South Korea</p>
16:55-17:15	<p>Keynote Speech: Upcycling Food Waste Digestate into Solid Fertilizer with Biochar and Encapsulation Prof. Yen Wah Tong Professor, Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore</p>
17:15-17:35	<p>Keynote Speech: Advancing the Recycling of Critical Minerals Prof. Marjorie Valix Professor, School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney, Australia</p>

Sustainable Materials Session

Date: 15 December 2025

Conference Programme

15 December 2025

Venue: 4580, The Hong Kong University of Science and Technology

Session Moderator: Dr. Jie Xu, The Hong Kong University of Science and Technology, China

14:00-14:20	<p>Keynote Speech: Urban Mining of Anthropogenic Mineral Resource: Experience and Challenges Prof. Xianlai Zeng Professor, School of Environment, Tsinghua University, Beijing, China</p>
14:20-14:40	<p>Keynote Speech: Microwave-assisted Pyrolysis of Waste Plastics for Liquid Fuel Production Prof. Charles Xu Professor, School of Energy and Environment, City University of Hong Kong, Hong Kong, China</p>
14:40-15:00	<p>Keynote Speech: Single Atom Catalysts for Water Decontamination Prof. Xiaoguang Duan Professor, School of Chemical Engineering, The University of Adelaide, Adelaide, Australia</p>
15:00-15:20	<p>Keynote Speech: Achieving the Circular Economy in Construction through Deconstruction and Reuse Technologies for Steel and Composite Structures Prof. Tak Ming Chan Professor, Department of Civil Engineering, The University of Hong Kong, Hong Kong, China</p>
15:20-15:35	Coffee Break
15:35-15:55	<p>Keynote Speech: Coconut-Derived Lignin: A Sustainable Source of Natural Antioxidant and Antimicrobial Materials Prof. Paripok Phitsuwan Professor, Division of Biochemical Technology, King Mongkut's University of Technology Thonbur, Bangkok, Thailand</p>
15:55-16:15	<p>Keynote Speech: Prof. Juan Liu Professor, School of Environmental Science and Engineering, Guangzhou University, Guangzhou, China</p>
16:15-16:35	<p>Keynote Speech: Hydrothermal Carbonization of Food Waste for Sustainable Nutrient Recovery and Agriculture Application Prof. Yuqing Sun Professor, School of Agriculture and Biotechnology, Sun Yat-sen University, Guangzhou, China</p>
16:35-16:55	<p>Keynote Speech: Thermal Treatment of Waste: Biochars as a Sustainable Solution to Remediate Contaminated Sites Prof. Jorg Rinklebe Professor, School of Architecture and Civil Engineering, University of Wuppertal, Wuppertal, Germany</p>
16:55-17:15	<p>Keynote Speech: Interfacial Electron Transfer in Soil Iron Cycling Driving Pollutant Transformation Prof. Xiaoyun Xu Professor, School of Environmental Science and Engineering, Shanghai Jiao Tong University, Shanghai, China</p>

17:15-17:35	Keynote Speech: Prof. Yaoyu Zhou Professor, College of Environment and Ecology, Hunan Agricultural University, Changsha, China
17:35-17:55	Keynote Speech: Environmental Functional Effects Based on the Transformation of Ordered-Disordered Carbon Structure of Biochar Prof. Xinde Cao Professor, School of Environmental Science and Engineering, Shanghai Jiao Tong University, Shanghai, China

Green Technologies Session

Date: 15 December 2025

Conference Programme	
15 December 2025	
Venue: 5583, The Hong Kong University of Science and Technology	
Session Moderator: Dr. Xiaoxiao Zhang, The Hong Kong University of Science and Technology, China	
14:00-14:20	Keynote Speech: Mechanistic Insights into Antibiotic Resistance Gene Dissemination in Sludge Systems and Strategies for Risk Mitigation Prof. Wanqian Guo Professor, School of Environmental Engineering, Harbin Institute of Technology, Harbin, China
14:20-14:40	Keynote Speech: Electrocatalytic Recovery of Valuable Resources from Yard Waste Prof. Jason Lam Professor, School of Energy and Environment, City University of Hong Kong, Hong Kong, China
14:40-15:00	Keynote Speech: Downsizing Biochar: Nanoscale Transformations for Environmental Risk Management and Soil Remediation Prof. Patryk Oleszczuk Professor, Department of Radiochemistry and Environmental Chemistry, Maria Curie-Skłodowska University, Lublin, Poland
15:00-15:20	Keynote Speech: Water Resources Recovery by Biochar: Truth or Myth Prof. Eakalak Khan Professor, Department of Civil and Environmental Engineering and Construction, University of Nevada, Las Vegas, USA
15:20-15:35	Coffee Break
15:35-15:55	Keynote Speech: Construction of Cross Media Large Scale Scientific Facility and Exploration of Complex Systems Science in Environment Prof. Miao Li Professor, School of Environment, Tsinghua University, Beijing, China
15:55-16:15	Keynote Speech: Bringing Physics to Global Sustainability Prof. Steven Wang Professor, Department of Mechanical Engineering., City University of Hong Kong, Hong Kong, China
16:15-16:35	Keynote Speech: Zero-Emission NO₂ Capture using Divalent Metal Cation-Exchanged Zeolites for Air Purification Prof. Jin Shang Professor, School of Energy and Environment, City University of Hong Kong, Hong Kong, China

16:35-16:55	Keynote Speech: Biochar Modification for Enhancing Contaminant Degradation via Electron Transfer Prof. Weihua Zhang Professor, School of Environmental Science and Engineering, Sun Yat-sen University, Guangzhou, China
16:55-17:15	Keynote Speech: Catalytic Processes for Waste Conversion to Sustainable Fuels and Chemicals Prof. Konstantinos Triantafyllidis Professor, Chemistry Department, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
17:15-17:35	Keynote Speech: Environmental Footprints of Waste Management and Application of Machine Learning Methods Prof. Siming You Professor, James Watt School of Engineering, University of Glasgow, Glasgow, UK
17:35-17:55	Keynote Speech: From Molecular Level to Process Design in Resource Recovery Prof. Laszlo Mika Department of Chemical and Environmental Process Engineering, Budapest University of Technology and Economics, Budapest, Hungary
17:55-18:15	Keynote Speech: Sustainable Rural Solid Waste Management for Clean Energy and Hygiene Prof. Ashok Pandey Professor, CSIR-Indian Institute of Toxicology Research, India

SGCM Symposium

Date: 16 December 2025

Conference Programme	
16 December 2025	
Venue: LTH, The Hong Kong University of Science and Technology	
Session Chair: Prof. Daniel S. Alessi, The University of Texas at Austin, USA	
09:00-09:15	Invited Speech: Integrating Plant Microbial Fuel Cells with Valorized Sludge and Biochar for Clean Energy Generation and Environmental Remediation Prof. Chung Yu Guan Associate Professor, School of Forestry and Resource Conservation, College of Bioresources and Agriculture, National Taiwan University, Taiwan
09:15-09:30	Invited Speech: Life Cycle Assessment of Delithiated Beta Spodumene as a Supplementary Cementitious Material in Concrete Prof. Ali Kashani Associate Professor, School of Civil and Environmental Engineering, University of New South Wales, Sydney, Australia
09:30-09:45	Invited Speech: A Low-Energy, Scalable Nano-Bubble-Assisted Carbonation Process for Cement Decarbonization Prof. Wei Wang Associate Professor, School of Materials Science and Engineering, Southeast University, Nanjing, China
09:45-10:00	Invited Speech: Biochar-Drive Soil Carbon Sequestration And Combination With Arbuscular Mycorrhizal Fungi To Further Carbon Retention Prof. Bin Cao Research Professor, Division of Environmental Science and Ecological Engineering, Korea University, Seoul, South Korea

10:00-10:15	Invited Speech: Advancing Non-thermal Plasma Technology For Wastewater Treatment Prof. Yuan Liang Associate Professor, School of Environmental Science and Engineering, Suzhou University of Science and Technology, Suzhou, China
10:15-10:30	Oral Presentation: Regulatory Mechanisms of Carbon-Based Materials on Antimony Migration and Transformation in Paddy Soils Dr. Meiling Yin Postdoctoral researcher, School of Environmental Science and Engineering, Guangzhou University, Guangzhou, China
10:30-10:45	Coffee Break
10:45-11:00	Oral Presentation: Impact of Nanobiochar on Thallium(I) Transport in Water-Saturated Porous Media: Effects of pH and Ionic Strength Dr. Wanpeng Chen Postdoctoral researcher, School of Environmental Science and Engineering, Guangzhou University, Guangzhou, China
11:00-11:15	Oral Presentation: Adsorption Removal of NO₂ by Cyclic Trinuclear Copper Cluster-based Covalent Organic Framework Yuying Wang PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China
11:15-11:30	Oral Presentation: Upcycling the Food Waste Lipids into Bio-based Non-Isocyanate Polyurethanes Di Wu PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China
11:30-11:45	Oral Presentation: Paired Electrolysis Enhancing Biomass Conversion into Highly Value-added Chemicals Jieming Huang PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China
11:45-12:00	Oral Presentation: Mechanisms of Fixation and Slow-release of 2,4-dichlorophenoxyacetic Acid Enhanced by Phosphorus-modified Biochar and MgAl-layered Double Hydroxide Composites Dongtan Yao PhD student, School of Agriculture and Biotechnology, Sun Yat-sen University, Shenzhen, China
12:30-13:00	Award Ceremony and Closing Session

Green Technologies Session

Date: 16 December 2025

Conference Programme

16 December 2025

Venue: 4579, The Hong Kong University of Science and Technology

Session Chair: Prof. Eakalak Khan, University of Nevada, Las Vegas, USA

09:00-09:15	Oral Presentation: Tandem Electrochemical Reduction/Oxidation System (ER/EO) for Efficient Mineralization of PFAS in Drinking Water Dr. Jonathan Calvillo Post-doctoral Fellow, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China
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09:15-09:30	<p>Oral Presentation: Production of Renewable H₂/CH₄ by Aqueous Phase Reforming (APR) of Biomass-Derived Oxygenates</p> <p>Yuhan Liao PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China</p>
09:30-09:45	<p>Oral Presentation: Size-Inverse Molecular Sieving Xenon/Krypton Separation through Cation-Tuned Gating Effect within Linde Type A Zeolites</p> <p>Daisong Chen PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China</p>
09:45-10:00	<p>Oral Presentation: Influence of MWCNT Dosage on the Mechanical and Thermoelectric Performance of Ultra-High-Performance Concrete</p> <p>Rongzhen Piao PhD student, Department of Architecture and Architectural Engineering, Yonsei University, Seoul, Republic of Korea</p>
10:00-10:15	<p>Oral Presentation: Impact of Nanobubble Technology on Mechanical Properties and CO₂ Utilization of Ultra-High-Performance Concrete</p> <p>Dr. Hong-Joon Choi Post-doctoral Fellow, Department of Architecture and Architectural Engineering, Yonsei University, Seoul, Republic of Korea</p>
10:15-10:30	<p>Oral Presentation: From Biodiversity To ESG: Evaluating Disclosure Approaches Of Companies Operating In Indonesia</p> <p>Maheshika Senanayake PhD student, Division of Environmental Science and Ecological Engineering, Korea University, Seoul, South Korea</p>
10:30-10:45	Coffee Break
10:45-11:00	<p>Oral Presentation: Development of Novel Sugar-to-jet (STJ) Pathways: Acid-catalyzed Conversion of 1,2-Pentanediol to Sustainable Aviation Fuel Precursors</p> <p>Yuwen Chen PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China</p>
11:00-11:15	<p>Oral Presentation: Photothermallydriven Phase Transition in Aminebiphasic Solvents for Energy Efficient CO₂ Capture</p> <p>Junjie Yuan PhD student, State Key Laboratory of Clean Energy Utilization, Zhejiang University, Hangzhou, China</p>
11:15-11:30	<p>Oral Presentation: Unveiling the Active Components in Carbon Materials for Environmental Remediation</p> <p>Dr. Zibo Xu Research Assistant Professor, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China</p>
11:30-11:45	<p>Oral Presentation: Microstructural Regulation of Interfacial Transition Zone by Biochar: A Novel Strategy for Enhancing Fire Resistance</p> <p>Weijian Xu PhD student, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China</p>

11:45-12:00	Oral Presentation: Thermal Conversion Pathway of Oil Sludge via Microwave Pyrolysis Jinpeng Wu PhD student, State Key Laboratory of Clean Energy Utilization, Zhejiang University, Hangzhou, China
12:00-12:15	Oral Presentation: Physicochemical Characterization of Methane-Derived Carbon Black and Its Application in the Removal of Organic Contaminants from Water Dr. Aneeshma Peter Postdoctoral researcher, Department of Earth and Atmospheric Sciences, University of Alberta, Edmonton, Canada

Sustainable Materials Session

Date: 16 December 2025

Conference Programme

16 December 2025

Venue: 4580, The Hong Kong University of Science and Technology

Session Chair: Prof. Ondrej Masek, The University of Edinburgh, UK

09:00-09:15	Oral Presentation: The Effect of Ternesite Prepared by High-Temperature Calcination on the Properties of Calcium Sulfoaluminate Cement Yu Zhong PhD student, School of Materials Science and Engineering, Southeast University, Nanjing, China
09:15-09:30	Oral Presentation: Hydration and Microstructure Properties of Cement-based Artificial Marble with Artificial Marble Waste Yanglin Luo PhD student, School of Materials Science and Engineering, Southeast University, Nanjing, China
09:30-09:45	Oral Presentation: Mechanical Properties and Microstructure of Soil Solidified Using Alkali-activated Steel Slag-Portland Cement Composite as a Solidifier Min Li PhD student, School of Materials Science and Engineering, Southeast University, Nanjing, China
09:45-10:00	Oral Presentation: Research Progress on Carbon Enrichment and Demonstration Application of Pulverized Coal Combustion and Carbonate Decomposition Under High Oxygen Partial Pressure Qian Liang PhD student, School of Materials Science and Engineering, Southeast University, Nanjing, China
10:00-10:15	Oral Presentation: Heat Pump Integrated Temperature Swing Adsorption using Physisorbents for Energy Efficient Direct Air Capture Boyu Zhang PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China
10:15-10:30	Oral Presentation: Enhanced 2,3-Butanediol Bioproduction via <i>is</i>FBB and Catalytic Upgradation to 1,3-Dioxolane: A Route to SAF Building Blocks Ziyao Liu PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China

10:30-10:45		Coffee Break
10:45-11:00	Oral Presentation: Thermal Treatment Optimization of Biomass Pyrolysis–Hydrodeoxygenation via Machine Learning Chen Chao PhD student, School of Energy and Environment, City University of Hong Kong, Hong Kong, China	
11:00-11:15	Oral Presentation: Reconstruction Kinetics and Structural Evolutions of Mg/Al and Ca/Al Layered Double Hydroxides Dr. Yuying Zhang Post-doctoral Fellow, Department of Civil Engineering, The University of Hong Kong, Hong Kong, China	
11:15-11:30	Oral Presentation: A Microstructure-informed Multiscale Framework for Bridging Local Heterogeneity and Continuum Mechanical Response Muduo Li PhD student, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, Hong Kong, China	
11:30-11:45	Oral Presentation: Thermal-Mechanochemical Activation Mechanism of Muscovite Clay Weijie Chen PhD student, College of Civil and Transportation Engineering, Shenzhen University, Shenzhen, China	
11:45-12:00	Oral Presentation: Sustainable Design of Solid-Waste-Based Carbon-Aluminate Artificial Aggregates via LP–PG–C12A7 Reaction Pathways and GGBS Modification Mechanisms Linxiaohan Zhang PhD student, College of Civil and Transportation Engineering, Shenzhen University, Shenzhen, China	

Date: 17 December 2025

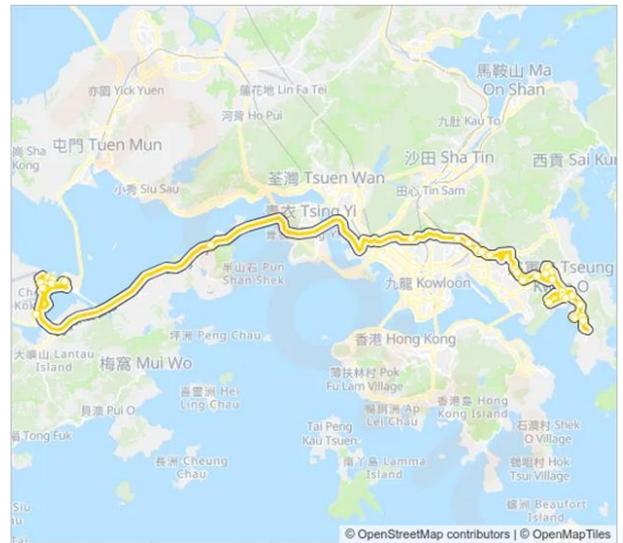
Conference Programme	
17 December 2025	
Venue: The Hong Kong University of Science and Technology	
09:00-18:00	Guided Lab Tour and Campus Walk in HKUST

How to reach HKUST

1.From Airport to Tseung Kwan O(TKO):

(1) Take Bus (Recommend)

Bus stop	Bus	Travel time	First departure	Last departure	Departure interval	Fare
Airport (Terminal 1)	A28	109 min	11:20	00:20	60min	HKD 44.0



(2) Take Subway

Airport >> Hong Kong Station (Airport express) >> Central Station (Walk) >> Quarry Bay Station (Island Line) >> TKO Station (TKO Line)



MTR Stations with bus or green minibus service to HKUST
提供往科大巴士或綠色專線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
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 巴士路線
 Green Minibus Routes 綠色專線小巴路線

* 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由寶琳 (公共交通交匯處) 前往北門巴士站 (香港科技大學)

2.From TKO to HKUST:

Shuttle Bus (Gather at the lobby of the Crown Plaza Hotel)

Address: No. 3 Tong Tak Street, Tseung Kwan O, Hong Kong

Date		Time	
15 th Dec		8.30am	From: Parking space outside crown plaza Hotel To: Roundabout outside CYT, HKUST
16 th Dec		8.30am	



Lunch

Venue: LG1 canteen II/ Hungry Korean/ American Diner.

