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香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

International Electrochemistry Summit 2026

**Post-Conference Satellite Meeting of
the 77th Annual Meeting of ISE**

9th YASS Sub-Conference

Hong Kong . China

September 11-14, 2026



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OVERVIEW

We are delighted to welcome you to The International Electrochemistry Summit 2026 in conjunction with a Post-Conference Satellite Meeting of the 77th Annual Meeting of ISE and the 9th YASS Sub-Conference, hosted at The Hong Kong University of Science and Technology (HKUST) from September 11th to 14th.

This prestigious gathering serves as a vital forum for the global electrochemical community, focusing on the latest experimental and theoretical advances across the field. The summit's program encompasses cutting-edge fundamental theories, innovative characterization techniques, and critical investigations into electrochemical interfaces under real device operating conditions.

We are particularly honoured that IES2026 is officially affiliated with HKUST's 35th Anniversary (35A) celebrations. This special milestone underscores the university's enduring commitment to pioneering research and international academic exchange, providing a vibrant backdrop for our discussions.

We invite you to engage with pioneering research, foster new collaborations, and contribute to shaping the future of electrochemistry and electrochemical engineering amidst the dynamic energy of Hong Kong.

For more information, please visit: <https://ies.hkust.edu.hk/> (or scan the QR code below).



ORGANIZERS



CO-ORGANIZERS



ORGANIZING COMMITTEE**Conference Chair**

Prof. Minhua SHAO

Cheong Ying Chan Professor of Energy Engineering and Environment

Head and Chair Professor of Chemical and Biological Engineering

Director of HKUST Energy Institute

Director of CIAC-HKUST Joint Laboratory for Hydrogen Energy

Members

Prof. Guohua CHEN

Chair Professor of Chemical and Biological Engineering

Prof. Qing CHEN

Associate Director of HKUST Energy Institute

Associate Professor of Mechanical and Aerospace Engineering

Associate Professor of Chemistry

Prof. Yoonseob KIM

Associate Professor of Chemical and Biological Engineering

Secretariat

Ms. Hester CHAU

Dr. Jianbo XU

For inquiries, please contact Dr. Jianbo XU

(Phone: +852-97629286; Email: ies@ust.hk; mejianbo@ust.hk).

CONFERENCE PROGRAM

VENUE: Lam Woo Lecture Theater (LT-B), 1/F, Academic Building
The Hong Kong University of Science and Technology

12 September 2026 (Saturday)

Morning Session | Chairs: Minhua SHAO, Jun CHENG, Zidong WEI

Opening Ceremony	
08:40 – 09:00	Welcome Remarks Minhua Shao, The Hong Kong University of Science and Technology
	Opening Remarks Heting DU, Executive General Manager, Beijing-Hong Kong Exchange of Personnel Centre Lin ZHUANG, Deputy Director, Chinese Society of Electrochemistry
	Group Photo
Plenary Talk	
09:00 – 09:30	Exploring an AI-Empowered Future: From Electrochemical Systems to Systems Electrochemistry Zhong-Qun TIAN, Xiamen University
Invited Talk	
09:30 – 09:50	AI Acceleration of AIMD Simulation of Electrochemical Interfaces Jun CHENG, Xiamen University
09:50 – 10:10	A Multiscale, Multiphysics Framework for Integrated Battery Modeling, Design, and Control Yoon Koo LEE, Korea Advanced Institute of Science and Technology
10:10 – 10:30	Li-Ion Battery Ageing & Degradation: Mechanism, State Evaluation and Lifetime Prediction Yong YANG, Xiamen University
10:30 – 11:00	Tea Break
Plenary Talk	
11:00 – 11:30	Hidden State Asymmetry in the Reversible Hydrogen Electrode Lin ZHUANG, Wuhan University
Invited Talk	
11:30 – 11:50	Study on Anti-CO-Poisoning Catalysts in PEMFC Zidong WEI, Chongqing University

11:50 – 12:10	Cobalt Nitride–Implanted PtCo Intermetallic Nanocatalysts Enabling Ultrahigh Cathodic Performance in Hydrogen Fuel Cells Jong-Sung YU, Daegu Gyeongbuk Institute of Science and Technology
12:10 – 12:30	Measurements of Intermediates in Electrocatalytic Oxygen Reduction and Evolution by Time-Dependent Electrochemiluminescence Yuanjian ZHANG, Southeast University
12:45 – 14:00	Lunch at UniQue, Conference Lodge (<i>By Invitation</i>)

Afternoon Session | Chairs: Minhua SHAO, Xiaobo JI, Shengli CHEN

Plenary Talk	
14:00 – 14:30	Developing Sodium Ion Chemistry for Sustainable Batteries John IRVINE, University of St Andrews
Invited Talk	
14:30 – 14:50	Long-Life and Low-Cost Cathode Materials for Sodium-Ion Batteries Xiaobo JI, Central South University
14:50 – 15:10	Key Materials and Technology for Safety of Li-Ion Batteries Yunhui HUANG, Huazhong University of Science & Technology
15:10 – 15:30	Li-Oxygen Battery: From Open System to Close System Jun LU, Zhejiang University
15:30 – 16:00	Tea Break
Plenary Talk	
16:00 – 16:30	Operando Insights into Alkaline Oxygen Evolution Thomas Justus SCHMIDT, Paul Scherrer Institute
Invited Talk	
16:30 – 16:50	Understanding the Oxygen Evolution Activities of RuO ₂ and IrO ₂ Shengli CHEN, Wuhan University
16:50 – 17:10	Wireless, Indoor Photoelectrochemical Hydrogen Production with CdS/TiO ₂ Photoanodes Ji-Hyun JANG, Ulsan National Institute of Science and Technology
17:10 – 17:30	Industry Vision of HT-PEMFC Technology in Hong Kong Yan XIANG, Beihang University
17:30 – 18:30	Panel Discussion
19:00 – 21:30	Dinner at Sai Kung <i>(By Invitation)</i>

13 September 2026 (Sunday)

Morning Session | Chairs: Minhua SHAO, Chang Hyuck CHOI, Yoonseob KIM

Plenary Talk	
08:40 – 09:10	Transformative Green Electrochemical Engineering: From Catalyst Design to Process Intensification Chunzhong LI, East China University of Science and Technology
Invited Talk	
09:10 – 09:30	Why Does Oxide-Derived Cu Perform Better at Electrolyzing CO ₂ ? Chang Hyuck CHOI, Pohang University of Science and Technology
09:30 – 09:50	Operando Structural Dynamics of Catalysts at the Electrode/Electrolyte Interface Liming ZHANG, Fudan University
09:50 – 10:10	Development of Electrocatalytic Reactors for Microenvironment Regulation Yuen WU, University of Science and Technology of China
10:10 – 10:30	Promoting C–C Coupling in CO ₂ /CO Electroreduction by Tuning the Properties of Interfacial Water Anthony Shoji HALL, University of Pennsylvania
10:30 – 11:00	Tea Break
Plenary Talk	
11:00 – 11:30	Halide-Based Solid State Electrolytes: Past, Present and Future Andy Xueliang SUN, The Eastern Institute of Technology, Ningbo
Invited Talk	
11:30 – 11:50	Sulfur Electrochemistry and Metal-Sulfur Batteries Quanquan PANG, Peking University
11:50 – 12:10	Phosphorus-Based Anodes for Fast-Charging Lithium-Ion Batteries Hengxing JI, University of Science and Technology of China
12:10 – 12:30	Elastomeric Electrolytes and Protective Layers for Stable Operation of Lithium Metal Batteries Bumjoon KIM, Korea Advanced Institute of Science and Technology
12:45 – 14:00	Lunch at G/F China Garden <i>(By Invitation)</i>

Afternoon Session | Chairs: Minhua SHAO, Bin REN, Qing CHEN

Plenary Talk	
14:00 – 14:30	Dynamic of Electrochemical Interfaces Vojislav R. STAMENKOVIC, University of California Irvine
Invited Talk	
14:30 – 14:50	In situ Electrochemical Raman Spectroscopy for Understanding Interfacial Reaction Mechanisms Bin REN, Xiamen University
14:50 – 15:10	In situ Monitoring of Small NP-Catalyzed Reactions by Using Core-Satellites SERS Wei XIE, Nankai University
15:10 – 15:30	Engineering Spin Polarization in Self-Assembled FeN ₄ Molecular Electrocatalysts for Oxygen Reduction and Hydrogen Evolution Ingrid PONCE, University of Santiago, Chile
15:30 – 15:50	Universal M-NC Single-Atom Catalysts Synthesis Based on Formamide Condensation Xiaoming SUN, Beijing University of Chemical Technology
15:50 – 16:20	Tea Break
16:20 – 16:40	Development of Materials for Li-S Batteries with Long Cycling Life Donghai WANG, Southern Methodist University
16:40 – 17:00	Beyond PEO: Monomer-in-Salt Electrolytes for Low-Pressure All-Solid-State Sang-Young LEE, Yonsei University
17:00 – 17:20	Long-Cycle Rechargeable Magnesium-Sulphur Battery Xiaowei YANG, Shanghai Jiaotong University
17:20 – 17:40	Accelerating the Discovery of Electrochemical Energy Materials by Integrating Quantum Mechanics, Machine Learning, and Autonomous Experimentation Byungchan HAN, Yonsei University
18:30 – 21:30	Dinner at Tseung Kwan O (<i>By Invitation</i>)

14 September 2026 (Monday)

Morning Session | Chairs: Minhua SHAO, Shangqian ZHU, Yao YAO

Plenary Talk	
08:40 – 09:10	Better Sustainable Li(Na)-Ion Batteries through Chemistry Jean-Marie TARASCON, Collège de France
Invited Talk	
09:10 – 09:30	Design and Synthesis of New Electrolyte Solvent for Lithium-Ion Batteries Yuki YAMADA, SANKEN, Osaka University
09:30 – 09:50	Interfacial In situ Raman Probing of Single-Crystal Surfaces Jianfeng LI, Xiamen University
09:50 – 10:10	<i>Operando</i> Electrochemical 4D-STEM Probing Dynamic Catalyst Evolution Far From Equilibrium Yao YANG, Cornell University (Online)
10:10 – 10:30	Tea Break
10:30 – 10:40	Self-Assembled Supramolecular Interfaces Functionalized with MN_4 Electrocatalysts for Energy Conversion Systems Ana Maria MENDEZ TORRES, University of Santiago, Chile
10:40 – 10:50	Data-Driven Design of Cathode Catalysts for Lithium–Sulfur Batteries Tianshuai WANG, Northwestern Polytechnical University
10:50 – 11:00	Stability Enhancement Strategies for Pt-Free ORR Catalysts Meiling XIAO, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences
11:00 – 11:10	Competitions Between Hydrogen Evolution Reaction and Oxygen Reduction Reaction on an Au Surface Yao YAO, Great Bay University
11:10 – 11:20	Interfacial Hydrogen-Bond Networks Boost Lattice Oxygen Regeneration toward Durable Oxygen Evolution Reaction Jianbing ZHU, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences
11:20 – 11:30	Adsorbed CO Is Not Favorable for C-N Coupling in Electrochemical Urea Synthesis on Cu Shangqian ZHU, Southeast University
11:30 – 11:40	CO ₂ Electrolysis Riding on Fluctuating Renewable Power Yu ZHANG, East China University of Science and Technology
11:40 – 11:45	Closing Remarks

	Jin ZHU, Deputy Secretary-General, Foundation for the Development of Science and Technology in China Guohua CHEN, The Hong Kong University of Science and Technology
12:00 – 14:00	Lunch at UniQue, Conference Lodge (<i>By Invitation</i>)

GENERAL INFORMATION**Registration**

- **Registration Hour & Venue**

September 11: 15:00 – 18:00

Venue: Li Dak Sum Yip Yio Chin Kenneth Li Conference Lodge, The Hong Kong University of Science and Technology (See map for "Hotel")

September 12-13: 08:00 – 17:00; September 14: 08:00 – 09:00

Venue: Outside of Lam Woo Lecture Theater (LT-B), 1/F, Academic Building, The Hong Kong University of Science and Technology (See map for "Conference Venue")

- **Registration fee**

HK\$5,000-

- **Welcome Dinner**

September 11, 18:30 – 20:00

Venue: G/F China Garden (See map for "China Garden")

On-campus Accommodation

Li Dak Sum Yip Yio Chin Kenneth Li Conference Lodge, The Hong Kong University of Science and Technology, Clear Water Bay (See map for "Hotel")

Off-campus Accommodation

The Royal Garden Kowloon East, 3 Tong Tak Street, Tseung Kwan O, Hong Kong

Transportation from The Hong Kong International Airport to HKUST

- Red Taxi (Hong Kong International Airport → HKUST)

Estimated travel time: 45 minutes

- Airport Express (Hong Kong International Airport → Kowloon Station) + Red Taxi (Kowloon Station → HKUST)

Estimated travel time: 25 minutes + 30 minutes

- Bus Number A29 (Hong Kong International Airport → Po Lam) + Taxi (Red or Green)

Estimated travel time: 100 minutes + 15 minutes

Shuttle Service from The Royal Garden Kowloon East to HKUST

Date	Pick-up Time	Drop-off Time	Pick-up Location
September 12	08:10	08:30	Hotel Entrance
September 13	08:10	08:30	
September 14	08:00	08:30	

Shuttle Service to Off-campus Dinner

Date	Pick-up Time	Drop-off Time	Pick-up Location
HKUST → Hung Kee Seafood Restaurant (Address: Siu Yat Building Block A, 1 Sai Kung Hoi Pong Square, Sai Kung)			
September 12	18:40	19:00	Entrance Piazza (See map for "Coach Pick-up Point")
Hung Kee Seafood Restaurant → HKUST			
September 12	21:30	21:50	Departure assembly point: Restaurant
Hung Kee Seafood Restaurant → The Royal Garden Kowloon East			
September 12	21:30	22:00	Departure assembly point: Restaurant
HKUST → The Admirals Chinese Restaurant (Address: Shop 137, 1/F, MCP DISCOVERY (Phase III), 8 Mau Yip Road, Po Lam, Tseung Kwan O)			
September 13	18:00	18:30	Entrance Piazza (See map for "Coach Pick-up Point")
The Admirals Chinese Restaurant → HKUST			
September 13	21:30	22:00	Departure assembly point: Restaurant
The Admirals Chinese Restaurant → The Royal Garden Kowloon East			
September 13	21:30	21:40	Departure assembly point: Restaurant

HKUST Campus Map

To locate the venue, please refer to the corresponding lift numbers, which are marked as white circled numbers on the map (page 13).

SPONSORS



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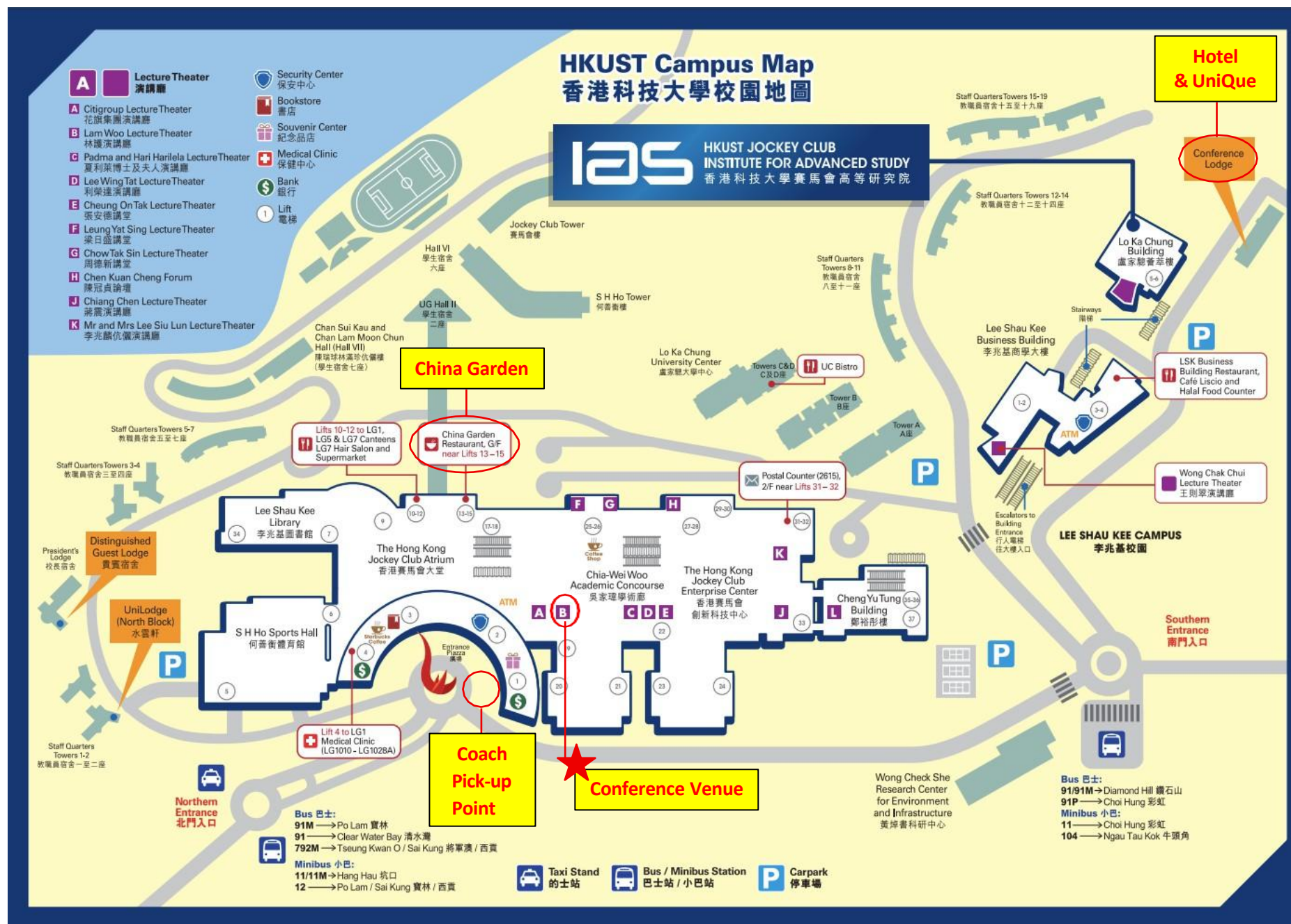
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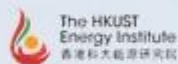


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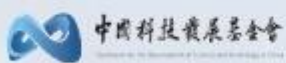
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