

INTERNATIONAL CONFERENCE



HKUST Industry Engagement Day + Frontiers of Advanced Material to Shape a Sustainable Future

Thursday, 19 December 2024
10:00–13:00



The HKUST Jockey Club Institute for Advanced
Study, HKUST Clear Water Bay Campus

Event Program

Part I: Opening Ceremony

Time	Program
09:30-10:00	Guest Registration
10:00-10:05	Welcome Remarks Prof. Tim CHENG, HKUST Vice-President of Research and Development, HKUST
10:05-10:10	Opening Remarks Prof. Minhua SHAO, Director of Energy Institute, HKUST

Part II: Presentations from Industrial Leaders and Academic Professionals

10:15-10:35	Material science progress and potential in hydrogen energy <ul style="list-style-type: none">• Dr. Christopher GUZY, CTO of Shanghai REFIRE Group
10:35-10:55	Nanomaterials-based Soft Power Conversion Device <ul style="list-style-type: none">• Prof. Dae-Hyeong KIM, Professor of School of Chemical and Biological Engineering of Seoul National University
10:55-11:15	TRUCIRCLE™: Pioneering Sustainability in Innovation <ul style="list-style-type: none">• Dr. Olivier GUISE, Director of Technology & Innovation APAC; Leader – Global Analytical Science Technology & Innovation of SABIC• Dr. Xiaofeng YU, Senior Manager, Electrical & Electronics of SABIC
11:15-11:35	Catalysis: the promise of something better, a tour on microplastics from environmental and health concerns to a new source of commodities <ul style="list-style-type: none">• Prof. Miguel A. BAÑARES, Professor of Institute of Catalysis and Petrochemistry of Spanish National Research Council
11:35-11:55	Advanced GaN and Integrated Passive Devices for Next-Gen Datacenter <ul style="list-style-type: none">• Prof. Xiaosen LIU, Associate Professor of Tsinghua University
11:55-12:15	Will 300mm GaN-on-Si technology be the main stream of GaN industry? <ul style="list-style-type: none">• Dr. Kai CHENG, Co-founder and CEO of Enkris Semiconductors Inc
12:15-13:00	Technology Showcase and Networking Session