

Technology Showcase 2022

Date | 9 December 2022 Friday

Time | 9:30 am – 12:30 pm

Venue | HKUST Jockey Club Institute for Advance Study (IAS),
The Hong Kong University of Science and Technology,
Clear Water bay, Kowloon, Hong Kong

HKUST Energy Institute Technology Showcase 2022

aims to offer a valuable platform for scholars, investors, entrepreneurs and government leaders within the energy sector to share experiences, exchange ideas and forge collaborations.

Here, our faculty members will discuss the latest developments in green energy and advanced materials technologies. In parallel to the presentations, we will also feature exhibits and interactive demonstrations to showcase research on new energy technologies at HKUST.

Featured Speakers



Dr. Shin Cheul KIM

Associate Vice-President for Research and Development (Knowledge Transfer)



Prof. Tim CHENG

Vice-President for Research and Development



Prof. Minhua SHAO

Director of HKUST Energy Institute

Presentations (by alphabetical order)



Prof. Francesco CIUCCI

Associate Professor of Mechanical and Aerospace Engineering
Associate Professor of Chemical and Biological Engineering



Prof. Zhiyoung FAN

Professor of Electronic and Computer Engineering
Professor of Chemical and Biological Engineering



Prof. Ping GAO

Professor of Chemical and Biological Engineering



Prof. Jonathan HALPERT

Assistant Professor of Chemistry



Prof. Baoling HUANG

Professor of Mechanical and Aerospace Engineering



Prof. Yonseob KIM

Assistant Professor of Chemical and Biological Engineering



Prof. Frank LAM

Assistant Professor of Engineering Education



Prof. Yi-Kuen LEE

Associate Professor of Mechanical and Aerospace Engineering
Associate Professor of Chemical and Biological Engineering



Prof. Minhua SHAO

Cheong Ying Chan Professor of Energy Engineering and Environment
Chair Professor of Chemical and Biological Engineering



Prof. Jianwei SUN

Professor of Chemistry



Prof. Henry YAN

Professor of Chemistry



Prof. Jinglei YANG

Professor of Mechanical and Aerospace Engineering



Prof. Shuhuai YAO

Professor of Mechanical and Aerospace Engineering
Professor of Chemical and Biological Engineering

Register Now!
Click Here





Technology Showcase 2022

Date | 9 December 2022 Friday
Time | 9:30 am – 12:30 pm
Venue | HKUST Jockey Club Institute for Advance Study (IAS),
The Hong Kong University of Science and Technology,
Clear Water bay, Kowloon, Hong Kong

Program

9:00	Registration
9:30 – 9:35	Welcome Prof. Tim Cheng Vice-President for Research & Development
9:35 – 9:45	HKUST Energy Institute Overview Prof. Minhua Shao Director of HKUST Energy Institute
9:45 – 9:50	Group Photo
9:50 – 10:50	Presentation I Fuel Cells and Battery Technologies Prof. Minhua Shao Cheong Ying Chan Professor of Energy Engineering and Environment Chair Professor of Chemical and Biological Engineering Hydrogen Generation from Photoelectrochemical Water Splitting Process Prof. Frank Lam Assistant Professor of Engineering Education Membranes for Energy Storage and Energy Conversion Applications Prof. Ping Gao Professor of Chemical and Biological Engineering Solid-state Batteries Prof. Francesco Ciucci Associate Professor of Mechanical and Aerospace Engineering Associate Professor of Chemical and Biological Engineering Solid-electrolytes for Li-metal Batteries Prof. Yoonseob Kim Assistant Professor of Chemical and Biological Engineering Organic Solar Cell: a Clear and Renewable Energy Source Prof. Henry Yan Professor of Chemistry
10:50 – 11:20	Poster and Demonstration
11:20 – 12:30	Presentation II Integrative Materials Innovation for Low-carbon Buildings Prof. Jinglei Yang Professor of Mechanical and Aerospace Engineering Elastocaloric Cooling Technology for Next-generation Green Air Conditioners Prof. Shuhuai Yao Professor of Mechanical and Aerospace Engineering Professor of Chemical and Biological Engineering CMOS MEMS Sensor System for Smart Energy-efficient Buildings Prof. Yi-Kuen Lee Associate Professor of Mechanical and Aerospace Engineering Associate Professor of Chemical and Biological Engineering Large-scale Perovskite Light-emitting Diodes with Quantum Wires Prof. Zhiyong Fan Professor of Electronic and Computer Engineering Professor of Chemical and Biological Engineering New Catalysts for Chiral Drug Synthesis Prof. Jianwei Sun Professor of Chemistry A Janus Textile for Personal Thermal Management in Harsh Climates Prof. Baoling Huang Professor of Mechanical and Aerospace Engineering Advanced Perovskite-like Metal Halide Nanomaterials for LED and Solar Battery Applications Prof. Jonathan Halpert Assistant Professor of Chemistry
12:30 – 12:35	Closing Remarks Dr. Shin Cheul Kim Associate Vice-President for Research and Development (Knowledge Transfer) End of the Program



Register Now!
Click Here

