

ASIAN ENGINEERING DEANS' SUMMIT 2023

Disruptive Innovation in Engineering Education and Research

15-17 May 2023

The University of Hong Kong, Hong Kong

Programme

15 May 2023 (Monday)

17:00 – 19:00	Welcoming Reception* <i>Venue: 14/F Senior Common Room K.K. Leung Building *By invitation only</i>
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16 May 2023 (Tuesday)

Venue: Rayson Huang Theatre

Registration [08:45 – 09:00]

Session 1 [9:00 – 10:35] Opening and Keynote Speeches	
09:00 – 09:15	Welcoming Remarks Professor Peng Gong Vice-President The University of Hong Kong
09:15 – 09:25	Opening Remarks Professor Tim Cheng AEDS Steering Committee Chair Vice-President The Hong Kong University of Science and Technology
09:25 – 09:35	Opening Remarks Professor David Srolovitz AEDS 2023 Organizing Committee Chair Dean of Engineering The University of Hong Kong
09:35 – 10:05	Keynote Introduction to the Global Engineering Deans Council and Critical Issues Facing our Global Community Dr Hans Jürgen Hoyer Executive Secretary Global Engineering Deans Council
10:05 – 10:35	Keynote How Innovative Technology can Help Deliver a Sustainable Energy Future Mr Richard Lancaster Chief Executive Officer CLP Holdings Limited

10:35 – 10:55	Coffee Break
Session 2 [10:55 – 12:45] Revolutionizing the Engineering Curriculum	
10:55 – 11:15	Developing Professional Engineers through Active and Authentic Learning Professor Kee Chaing Chua President Singapore Institute of Technology
11:15 – 11:35	Exploration and Practice of New Engineering Education at SUSTech Professor Limin Zhou Associate Dean Southern University of Science and Technology
11:35 – 11:55	Nurturing Next Generation Innovators and Technologists Professor Chi Ying Tsui Head, Integrative Systems and Design The Hong Kong University of Science and Technology
11:55 – 12:15	Data Science for Social Good Professor Raymond Ng Director, Data Science Institute The University of British Columbia
12:15 – 12:45	Group Discussion Moderated by Professor Norman Tien Head of Innovation Academy The University of Hong Kong
12:45 – 13:00	Group Photo
13:00 – 14:15	Lunch* <i>Venue: Senior Common Room 14/F</i> <i>*By invitation only</i>
Session 3 [14:15 – 15:50] Driving Innovation through Maker Space	
14:15 – 15:45	Tam Wing Fan Innovation Wing Visit
15:45 – 16:10	Coffee Break
Session 4 [16:10 – 17:40] Nurturing an Entrepreneurship Mindset <i>Venue: Rayson Huang Theatre</i>	
16:10 – 16:30	Technology to Entrepreneurship: Navigating the Lab-to-Market Journey Mr Paul Wang Director, Techno-Entrepreneurship Core The University of Hong Kong
16:30 – 16:50	Innovation and Entrepreneurship Education System in Zhejiang University Professor Huayong Yang Dean of Engineering

	Zhejiang University
16:50 – 17:10	From Biodesign to Entrepreneurship - An Innovative Education Approach Professor Carrie Ling Director, Entrepreneurship Centre The Hong Kong University of Science and Technology
17:10 – 17:40	Group Discussion Moderated by Professor Rajesh Sundaresan Dean of EECS Indian Institute of Science
17:40 – 18:30	AEDS Steering Committee Meeting <i>Venue: Rm 515, Faculty Conference Room, Haking Wong Building, The University of Hong Kong</i>
19:00 – 22:00	Gala Dinner* <i>Venue: Hong Kong University Alumni Association Clubhouse 1/F Yip Fung Building, 2 D'Aguilar Street, Central *By invitation only</i>

17 May 2023 (Wednesday)

Venue: Rayson Huang Theatre

Session 5 [09:00 – 10:30] Disrupting Engineering Research	
09:00 – 09:30	Keynote Engineering Faculties Crucial Role across Disruptive Technologies for CO2-eq Reduction and Driving the Research Roadmap Professor Stephen Foster Dean of Engineering UNSW Sydney
09:30 – 09:50	Promoting Interdisciplinary Engineering Research at Westlake University Professor Jianjun Cheng Dean of Engineering Westlake University
09:50 – 10:10	Advancing AI with Large Generative Models: Research and Applications Dr Lingpeng Kong Assistant Professor The University of Hong Kong
10:10 – 10:30	Group Discussion Moderated by Professor Huiling Duan Dean of Engineering Peking University

10:30 – 10:50	Coffee Break
Session 6 [10:50 – 12:40] Interdisciplinary Research	
10:50 – 11:10	Robotics and AI for Real-world Challenges Professor Kazuhiro Kosuge Chair Professor The University of Hong Kong
11:10 – 11:30	Development and Outlook of Taiwan Offshore Wind Power for Net Zero Carbon Emission Professor Mao-Hsiung Chiang Dean of Engineering National Taiwan University
11:30 – 11:50	Materials Solutions for Sustainability Challenges Professor Xiaobo Yin Professor The University of Hong Kong
11:50 – 12:10	GREAT Smart Cities and Sustainable Smart Campus Professor Hong Lo Dean of Engineering The Hong Kong University of Science and Technology
12:10 – 12:40	Group Discussion Moderated by Professor Kevin Tsia Professor, Electrical and Electronic Engineering The University of Hong Kong
12:40 – 14:00	Lunch <i>Venue: Senior Common Room 14/F</i> <i>*By invitation only</i>
Session 7 [14:00 – 15:30] Academic-Industry Collaboration and Technology Transfer	
14:00 – 14:20	Fostering Innovation and Enterprise through Industry Partnerships Professor Chee Yoon Yue Director NUS Enterprise
14:20 – 14:40	Academic-Industry Collaboration for Green and Digital Transformation Powered by an On-campus Next-generation Synchrotron Radiation Source, “NanoTerasu” Professor Hitoshi Takamura Associate Dean of Engineering Tohoku University
14:40 – 15:00	Integrated Education-Research-Techtransfer for EIT in China: A Case Study of Tsinghua EE Department Professor Yu Wang Chair of Electronic Engineering

	Tsinghua University
15:00 – 15:30	<p>Group Discussion</p> <p>Moderated by Professor Anderson Shum Professor, Mechanical Engineering The University of Hong Kong</p>
15:30 – 15:50	Coffee Break
Session 8 [15:50 – 17:10] Future Outlook	
15:50 – 16:10	<p>The Past, Present, and Future of Intelligence: from Artificial to Natural Professor Yi Ma Director, Musketeers Foundation Institute of Data Science The University of Hong Kong</p>
16:10 – 16:30	<p>The All-in-One University for a Sustainable World Professor Laurent El Ghaoui Dean of Engineering VinUniversity</p>
16:30 – 16:50	<p>The Future of Global Universities Professor David Cardwell Pro-Vice-Chancellor University of Cambridge</p>
16:50 – 17:00	<p>Closing Remarks Professor David Srolovitz AEDS 2023 Organizing Committee Chair Dean of Engineering The University of Hong Kong</p>
17:00 – 17:10	Introduction by the Host University of AEDS 2024