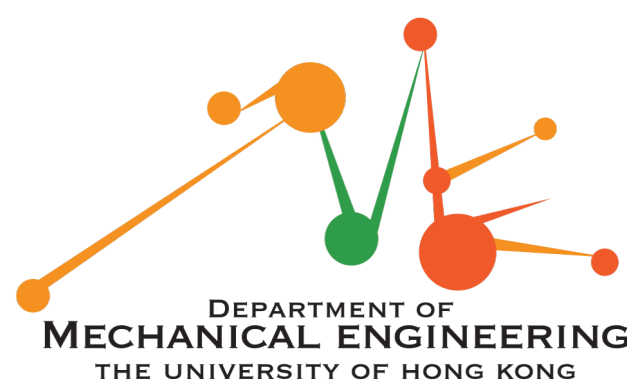


Organiser:**Hong Kong Branch****Co-organiser:****Technical Sponsors:**

INTELLIGENT ENGINEERING: A SYMPOSIUM ON SMART ENGINEERING WITH AI

Date: 30 October 2025, Thursday

Time: 09:00 - 17:05

Venue: Rayson Huang Theatre, The University of Hong Kong

Background

Standing at the forefront of a technological revolution, Artificial Intelligence (AI) is reshaping industries, redefining possibilities, and driving innovation across various sectors. In mechanical engineering, AI plays a crucial role in optimising designs, improving efficiency, and enabling smart manufacturing solutions. Delving into this topic, we will explore the latest developments, examine real-world applications, and discuss the ethical considerations and governance surrounding AI technologies. The symposium will serve as a platform for in-depth discussions on the integration of AI technologies within mechanical engineering.

Target Audience

Policymakers, engineers, consultants, researchers, practitioners and industrialists

Language

English

Registration Fee

HK\$650 Member of Organiser / Co-organiser / Sponsors / Supporting Organisations

HK\$750 Non-member

*Fee covers 1-day symposium presentations, symposium materials and lunch voucher

Registration & Payment

Registration is accepted on a first come first served basis. Please register through the online booking form <https://forms.gle/Fk45s46iyZg2DmMR7> or scan the QR code. Acknowledgement e-mail together with payment instruction will be issued upon membership verification. Registration will be confirmed only after receipt of payment. Registration fee received is non-refundable.

**Enquiries**

Jenny Chan (Senior Executive Officer) / Ali Li (Executive Officer)
IMechE Hong Kong Office

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Sponsors

Gold Sponsors



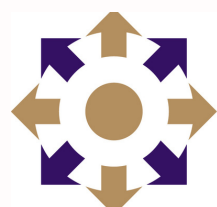
Silver Sponsors



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Supporting Organisations



Symposium Programme

Time	Activity & Host / Speaker
08:15 - 09:00	Registration
09:00 - 09:20	Welcome Address and Keynote Speech Dr Barry LEE, MH Chairman, Symposium Steering Committee
09:20 - 09:35	Souvenir Presentation & Group Photos
Session 1 - Programme to Solution: AI Basis and Essences for Successful Applications	
09:35 - 09:55	1.1 The Role of the Engineer in the Age of AI Dr Matteo DE GIOVANETTI Automation Engineer, IMechE Young Members' Board Vice-Chairman and Thermofluids Board member
09:55 - 10:15	1.2 Progress and Challenges of Optical System in AI-Driven AR Technology Dr Cui-Ping ZHANG Lecturer, Department of Mechanical Engineering, The University of Hong Kong
10:15 - 10:35	1.3 Engineering Autonomous Trust: Integrating AI, Blockchain, and Smart Contract for Next-Gen Infrastructure Systems Mr Isaac LEE Assistant Director, Technology Application, Hong Kong Institute of Construction
10:35 - 10:50	Q&A and Panel Discussion Moderator: Professor Vincent HO Chairman, IMechE North East Asia Region
10:50 - 11:05	Break
Session 2 - Intelligent Travel: Harnessing AI for Smarter Urban Mobility	
11:05 - 11:25	2.1 Apollo GO Driving the Next Frontier Dr Fan ZHU Principal Architect, Baidu Intelligent Driving Group



Symposium Programme

Time	Activity & Host / Speaker
11:25 - 11:45	2.2 Introduction to Rail Transit Digital Design System of AIRail Mr Cang-Nan LI Director, Rail Transit R&D Department, China Design Group Co., Ltd.
11:45 - 12:05	2.3 China Urban Rail Transit Smart Station Current Situation and Development Opportunities Ms Shan LIN Chief Engineer (Electrical), Guangzhou Metro Design & Research Institute
12:05 - 12:20	Q&A and Panel Discussion Moderator: Mr Edmund LEUNG, SBS, OBE, JP Past Chairman, IMechE Hong Kong Branch
12:20 - 13:50	Lunch
Session 3 - Engineering Intelligence: Transforming Infrastructure and/or Operations with AI	
13:50 - 14:10	3.1 Smart Engineering Noise Control: Field Recognition, Acoustic Imaging & Automated Compliance Systems Mr Joe Siu-Cheong MOK Environmental Protection Officer, Environmental Protection Department, Government of Hong Kong Special Administrative Region
14:10 - 14:30	3.2 Accelerating AI Adoption at CLP Power Generation Mr Ki-On NG Director, Generation Engineering, CLP Power Hong Kong Ltd.
14:30 - 14:50	3.3 The Power of AlgoSeries - Fusing E&M Expertise with AI Mr Mark LEUNG Head of Smart Data Automation, ATAL Engineering Group
14:50 - 15:10	3.4 Innovative AI Solutions: Towngas' Path to Efficiency and Safety Ms Queenie CHAN General Manager, Business Transformation & Enquiry, The Hong Kong and China Gas Co., Ltd.



Symposium Programme

Time	Activity & Host / Speaker
15:10 - 15:30	Q&A and Panel Discussion Moderator: Professor Robin MA Panel Member, Academic Advisory Panel, IMechE Hong Kong Branch Associate Director of Center for Engineering Education Innovation, The Hong Kong University of Science and Technology
15:30 - 15:45	Break
Session 4 - Engineering Intelligence: Building O&M with AI	
15:45 - 16:05	4.1 AI Agents and Their Applications in Mechanical Engineering Mr Patrick Pok-Man SO Senior Engineer, Electrical and Mechanical Services Department, Government of Hong Kong Special Administrative Region
16:05 - 16:25	4.2 Transforming Building O&M through Digital Platforms, Automation and AI Mr Alex CHEUNG Director, Smart Solutions & Advanced Engineering, Hong Kong and Mainland China, WSP Ms Cecilia WAN Technical Director, Smart Solutions & Advanced Engineering, Hong Kong and Mainland China, WSP
16:25 - 16:45	4.3 Integrating AI in Engineering for the Pursuit of Excellence Mr Percy Ho-Chun KWOK Project Engineer, Projects Division, The Hongkong Electric Co., Ltd.
16:45 - 17:00	Q&A and Panel Discussion Moderator: Mr Chris CHONG International Vice President, IMechE Chief Operations Officer, Hong Kong Applied Science and Technology Research Institute
17:00 - 17:05	Closing Remark Ms Janet LAM Chairman, IMechE Hong Kong Branch
17:05	End of Programme

Certificate

Certificate of Attendance will be emailed to participants within 10 working days after the symposium