

Organiser



Collaborating Organizations



Supporting Organizations *Logos are listed in alphabetical order



<Technical Seminar>

AI-based Reliability & Safety

Transforming Smart Manufacturing and Smart City with Applications

Date: 19 May 2022 (Thursday)
 Time: 09:30 – 17:00
 Venue: INNO² Multi-function room 1, 2, 3, 2/F., 17W, HKSTP
 Language: English



[REGISTER HERE](#)

Limited Seats
 First Come First Serve

Speakers



Dr Daniel Lun



Dr Siqi Bu



Prof. K.K. Lee



Mr Hasan Gadjali



Prof. Kenneth Lam



Mr Lok Fung



Dr Xiaoge Zhang



Mr Aldous Leung

Time	Details
09:00 - 09:30	Registration
09:30 - 09:35	Opening Speech (and Photo Taking) Mr Steve Chuang , Chairman The Hong Kong Electronics Industry Council, FHKI
09:35 - 10:05	Topic: 3-Dimensional Measurement using Structural Light Illumination in Smart Manufacturing applications Dr Daniel Lun , Associate Professor Dept. of Electronic and Information Engineering, Faculty of Engineering, PolyU
10:05 - 10:35	Topic: AI-based Security Assessment of Smart Grid to Enable a Carbon Neutrality Future Dr Siqi Bu , Associate Professor Dept. of Electrical Engineering, Faculty of Engineering, PolyU
10:35 - 10:45	Break
10:45 - 11:15	Topic: Predictive Maintenance for Railways to uplift the Reliability & Safety of railway transportation system Prof. K.K. Lee , Founder and CEO, KDAS
11:15 - 11:45	Topic: CMOS Thermal Imaging - the Pursuit of Reliable High Performance Mass Producible LWIR Sensors for Everyday Applications Mr Hasan Gadjali , Co-Founder, Meridian Innovation Limited
11:45 - 12:10	Q & A
12:10 - 14:00	Lunch
14:00 - 14:15	Registration of Afternoon Session
14:15 - 14:20	Welcome Speech (and Photo Taking) Ir Prof. H.C. Man , Dean Faculty of Engineering, PolyU
14:20 - 14:50	Topic: Efficient Deep Neural Network for Material Defect Detection in Smart Manufacturing Prof. Kenneth Lam , Professor & Associate Dean, Faculty of Engineering, PolyU
14:50 - 15:20	Topic: Market Trend of AI technology for Smart Building Mr Lok Fung , Head of Transit Management Competence Centre (TMCC) Jardine Schindler Group
15:20 - 15:30	Break
15:30 - 16:00	Topic: AI-Driven Solutions for Increasing Air Transportation System Safety Dr Xiaoge Zhang , Assistant Professor, Dept. of Industrial & Systems Engineering, PolyU
16:00 - 16:30	Topic: The Smart Instantaneous Water Heaters for Energy Efficient Operations, Improved Reliability and Enhanced Safety Environment Mr Aldous Leung , Senior Engineering Consultant, German Pool
16:30 - 16:55	Q & A
16:55 - 17:00	Closing remarks Ir Prof. Winco Yung , Executive Director & Centre Director, CAIRS