



Date: 13 April 2018 (Friday)

Time: 3:00 p.m. (Registration starts at 2:45 p.m.)

Venue: Seminar Room, Halls 5F-G, Level 5,
Hong Kong Convention and Exhibition Centre
1 Expo Drive, Wan Chai, Hong Kong



VOCATIONAL TRAINING COUNCIL
ELECTRONICS AND TELECOMMUNICATIONS TRAINING BOARD
Technology and Application Seminar on
2018 Tech Trends Symposium – “AI, Robotics and Unmanned Tech”
2018 科技前瞻研討會 – 「人工智能與機械人及無人駕駛科技」

About Vocational Training Council

Established in 1982, the Vocational Training Council (VTC) is the largest vocational and professional education and training provider in Hong Kong. VTC provides valuable credentials for some 250 000 students each year through a full range of pre-employment and in-service programmes with internationally recognised qualifications.

The Electronics and Telecommunications Training Board (ECTB) is established under the VTC to ascertain the manpower needs of the various industries they represent, and to recommend manpower initiatives to meet the needs.

Aiming to update the in-service personnel of the various sectors of the electronics and telecommunications industries on the latest developments of technologies and applications of AI, Robotics and Unmanned Tech, ECTB in collaboration with Hong Kong Trade Development Council (HKTDC), and the Robotics Alliance of Hong Kong organise a technology and application seminar on “**AI, Robotics and Unmanned Tech**” during the Hong Kong Electronics Fair 2018 (Spring Edition). Four distinguished speakers are invited to deliver talks on the following areas related to the theme of the seminar:

- 1. Future of Robotics Technology – Challenges and Opportunities;**
- 2. Application of Artificial Intelligence**
- 3. Integration of Service Robots into our Everyday Life; and**
- 4. Unmanned Technology and its Future.**

After the talks, there is a “Panel Discussion” Session for the audience to share their views and experience on the theme of the seminar with the speakers. At the end of the seminar, there will be a “Q & A Session”.

**VOCATIONAL TRAINING COUNCIL
ELECTRONICS AND TELECOMMUNICATIONS TRAINING BOARD**

**Programme of the Technology and Application Seminar on
2018 Tech Trends Symposium – “AI, Robotics and Unmanned Tech”**

Time	Programme	Speaker
2:45 – 3:00 p.m.	Registration	
3:00 – 3:05 p.m.	Welcome Remarks	
3:05 – 3:30 p.m.	Future of Robotics Technology – Challenges and Opportunities	Professor Norman C. Tien Dean of the Faculty of Engineering, the University of Hong Kong; and Chairman, Robotics Alliance of Hong Kong
3:30 – 3:55 p.m.	Application of Artificial Intelligence	Dr Jeong Mei-kei Chief Technology Officer, Hong Kong Applied Science and Technology Research Institute Company Limited
3:55 – 4:20 p.m.	Integration of Service Robots into our Everyday Life	Mr Rex Sham Co-Founder and Chief Science Officer, Insight Robotics
4:20 – 4:45 p.m.	Unmanned Technology and its Future	Dr Hoe Seng Ooi Senior R&D Manager (Smart Mobility), Automotive Parts and Accessory Systems (APAS) R&D Centre
4:45 – 5:00 p.m.	Panel Discussion and Q & A Session	Moderator: Professor Norman C. Tien

Bibliography of Guest Speakers

Professor Norman C. Tien *Dean of the Faculty of Engineering, the University of Hong Kong; and Chairman, Robotics Alliance of Hong Kong*

Professor Norman C. Tien is the Dean of Engineering at the University of Hong Kong. Professor Tien's research interests are in the area of microelectromechanical (MEMS) and microsystems technologies. One of his major initiatives was the launch of the Advanced Robotics Laboratory for promoting multi-disciplinary, collaborative and impactful research in robotics.

Dr Jeong Mei-kei *Chief Technology Officer, Hong Kong Applied Science and Technology Research Institute Company Limited (ASTRI)*

Dr Jeong joined ASTRI as Chief Technology Officer in January 2016. Before his appointment, Dr. Jeong has held various leadership positions in Taiwan Semiconductor Manufacturing Company and IBM Research. Dr. Jeong brings his rich international experience in managing large complex research and development projects, marketing, commercialisation. Dr. Meikei Jeong received the Ph.D. degree in electrical and computer engineering from the University of Massachusetts and a MBA degree from the Sloan Fellows Program of Massachusetts Institute of Technology.

Mr Rex Sham *Co-Founder and Chief Science Officer, Insight Robotics*

Rex Sham is Co-founder and Chief Analyst of Insight Robotics where he is responsible for technology and innovation strategy and leads the company's engineering teams. He has prototyped hardware and software solutions for Insight Robotics' current core technologies and co-authored two patents. Prior to Insight Robotics, Rex had extensive experience in the field, undertaking research on the topic at Chinese University of Hong Kong (CUHK) and Hong Kong University and developing Hong Kong Robot, a popular robotics interest website.

Dr Hoe Seng Ooi *Senior R&D Manager (Smart Mobility), Automotive Parts and Accessory Systems (APAS) R&D Centre*

Dr Ooi is the Senior R&D Manager (Smart Mobility) of Automotive Parts and Accessory Systems (APAS) R&D Centre at Hong Kong Productivity Council. Prior to joining HKPC, he was the Chief Product Engineer at an Electric Vehicle start-up in Hong Kong responsible for electric vehicle development, programme management, strategic planning and partnerships. Dr Ooi has over 15 years of experience working in the automotive, energy, oil & gas and consumer appliance industries, as well as collaboration with universities.

Dr Ooi graduated from Imperial College London with a PhD degree in Electrical Engineering and Bachelor of Engineering (Honours) degree in Electrical and Electronic Engineering. His PhD research was focused on sensorless and torque ripple minimisation control of switched reluctance motor using artificial neural networks

The Seminar is supported by: (In alphabetical order)



Electronics Division of
The Hong Kong Institution of Engineers



Hong Kong Wireless Technology
Industry Association



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