



2017 Tech Trends Symposium - “The Next Big Thing in Wearables”

Date: 13 April 2017 (Thursday)
Time: 2:30 p.m. (Registration starts at 2:15 pm)
Venue: Seminar Room, Halls 5F-G, Level 5,
Hong Kong Convention and Exhibition Centre
1 Expo Drive, Wan Chai, Hong Kong

Organizers:



Federation of Hong Kong Industries



Hong Kong Electronics Industry Council



Hong Kong Trade Development Council

Co-organizers:



The Hong Kong Electronic Industries Association



Hong Kong Electronics & Technologies Association



Vocational Training Council



VOCATIONAL TRAINING COUNCIL
ELECTRONICS AND TELECOMMUNICATIONS TRAINING BOARD
Technology and Application Seminar on
2017 Tech Trends Symposium – “The Next Big Thing in Wearables”
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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 wearables, ECTB in collaboration with the Federation of Hong Kong Industries (FHKI), Hong Kong Electronics Industry Council and Hong Kong Trade Development Council (HKTDC) organise a joint technology and application seminar on “**The Next Big Thing in Wearables**” during the Hong Kong Electronics Fair 2017 (Spring Edition). Four distinguished speakers are invited to deliver talks on the following areas related to the theme of the seminar:

- 1. Improving Wearables, Improving Lives / Transforming Lives with Digital Health;**
- 2. From Accurate Wearables / Hearables To Mobile Health;**
- 3. Textile-based Wearable Electronic Materials and Devices; and**
- 4. Wearable Electronics for Rehabilitating Stroke Survivors in an Ageing Population.**

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 “Lucky-draw” session.

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Programme of the Joint Technology and Application Seminar on
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Time	Programme	Speaker
2:15 - 2:30 p.m.	Registration	
2:30 – 2:35 p.m.	Welcome Remarks	Representative Hong Kong Electronics Industry Council
2:35 – 2:55 p.m.	Improving Wearables, Improving Lives / Transforming Lives with Digital Health Digital Health is the emergence of powerful technologies that connect people’s health data through a digital health platform to the healthcare ecosystem so as to help everybody lead healthier lives, reduce healthcare costs and broaden the reach of our healthcare system.	Ms Candy GAO Regional Director, Fitbit
2:55 – 3:15 p.m.	From Accurate Wearables / Hearables to Mobile Health The application of Wearables / Hearables towards Preventive Healthcare requires much higher accuracy than what Wearables 1.0 have delivered and as these devices become part of the consumers’ lifestyle, the demand for accuracy is sublimely demanded so that useful insights / advice can be dispensed to the consumers to help them lead a better life.	Mr KOW Ping Director & Co-founder, Well Being Digital Limited
3:15 – 3:35 p.m.	Textile-based Wearable Electronic Materials and Devices The talk will introduce how the research group makes use of textiles for wearable electronics and these textile-based electronic devices can function as high-performance electronics while maintaining the flexibility, lightweight, permeability, processibility, and even washing ability like textiles.	Dr Zijian ZHENG Associate Professor, The Institute of Textiles and Clothing, The Hong Kong Polytechnic University
3:35 – 3:55 p.m.	Wearable Electronics for Rehabilitating Stroke Survivors in an Ageing Population The concept of “muscle synergy” may be leveraged as a guiding principle for designing personalizable post-stroke rehabilitation and an neuromuscular electrical stimulation (NMES)-based intervention that targets a set of muscles within a specific muscle synergy, delivered using a wearable device, may lead a much better clinical outcome than existing standard therapies.	Prof Vincent CHEUNG Associate Professor, School of Biomedical Sciences, The Chinese University of Hong Kong
3:55 – 4:30 p.m.	Panel Discussion	Moderator: Mr Wayne LEUNG Chief Executive Officer, Tappy Technologies Limited
4:30 - 4:35 p.m.	Lucky Draw	
4:35 p.m.	End of Seminar	

Bibliography of Guest Speakers

Ms Candy GAO *Regional Director, Fibit*

Ms Gao joined Fitbit as Regional Director for Hong Kong and Taiwan in November 2015. Her primary responsibility is to fulfill Fitbit's vision in Digital Healthcare and bring the company's latest device, software and service offerings to these markets. Prior to Fitbit, Candy was with SanDisk Corporation since 2009 with her latest role as Country Manager for SanDisk Corporation Hong Kong and Philippines, for driving where the company's retail channel sales of flash memory products in the respective markets.

Mr KOW Ping *Director & Co-founder, Well Being Digital Limited*

Mr Kow co-founded Well Being Digital in 2013 to develop physiological sensing technology such as in measuring dynamic heart rate and motion activity sensing. The company aspires to enable the world's largest suite of Preventive Healthcare Devices. His achievements include:

2016: Mobile World Congress 2016 - Best Wearable Mobile Technology (against Guess, Epson, Motorola and Intel)

2016: WITSA Global ICT Excellence Award

2016: Hong Kong ICT award - Grand Prize of Best Smart Hong Kong

Dr Zijian ZHENG *Associate Professor, the Institute of Textiles and Clothing, The Hong Kong Polytechnic University*

Dr Zheng is Associate Professor at the Institute of Textile and Clothing, The Hong Kong Polytechnic University. His research interest includes nanolithography, surface science, polymer science, flexible and wearable electronics.

Prof Vincent CHEUNG *Associate Professor, School of Biomedical Sciences, The Chinese University of Hong Kong*

Professor Cheung is currently the Assistant Professor at the School of Biomedical Sciences of The Chinese University of Hong Kong. His research focuses on understanding how the nervous system controls voluntary movement and enables learning of motor skills.

The Seminar is supported by: (In alphabetical order)



Electronics Division of
The Hong Kong Institution of Engineers



Hong Kong Association of
Interactive Marketing



Hong Kong Productivity Council



Hong Kong Wireless Technology
Industry Association



Institute of Electrical and
Electronics Engineers
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