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# Smart Wearable Technology Seminar Series

Transform Your Product - Make Smart Smarter



## Seminar 1: Industrial Application



24 Feb 2022  
AM Section: 09:45-13:00



Rm 120, HKPC Building /  
Live Broadcast



Cantonese / English



For people who are interested  
in smart wearable technology

The Smart Wearable Technology Seminar Series will equip local industrialists with the technical knowledge in developing smart wearable products. Specialists in hardware and software development will share the fundamental infrastructure of a wearable product. Domain experts will introduce the latest applications and potential niche sectors of wearable products, such as health, sports, and industrial sector, etc.

The Smart Wearable Technology Seminar Series aims to promote the smart wearable technology to the key stakeholders in Hong Kong manufacturing industry, upgrade their capabilities and transform them into experts of the development of innovative products.

Note 1: HKPC reserves the right to change the contents, venue and / or time as necessary.

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24 Feb 2022		
Time	Seminar 1 - Industrial Application	Speaker
9:45 – 11:15	R&D on Functional Textiles for Smart Health	<b>Prof Xiaoming Tao</b> Director, Research Institute for Intelligent Wearable Systems The Hong Kong Polytechnic University
11:30 – 13:00	5G, IOT and Smart Wearable Technology Application in Site	<b>Mr Ken Ho</b> Senior Sales Manager SmarTone Mobile Communications Ltd.



### Prof Xiaoming TAO

Director, Research Institute for Intelligent Wearable Systems  
The Hong Kong Polytechnic University

The Research Institute for Intelligent Wearable Systems (RI-IWEAR), The Hong Kong Polytechnic University was established on 1 May 2021 funded by the University. It has a strong interdisciplinary research team with expertise spanning multiple disciplines of physics, chemistry, materials, textiles and clothing, design, electronics, mechanical engineering, computing and occupational health and safety.

Prof Tao is Director of Research Institute for Intelligent Wearable Systems and Chair Professor of Textile Technology, Institute of Textiles and Clothing, The Hong Kong Polytechnic University. Prof Tao is internationally known for her leading research work on intelligent wearable technology, smart and functional fibrous materials, nanotechnology, flexible electronic and photonic devices, textile composites and their applications in healthcare, wellbeing and sports.



### Mr Ken Ho

Senior Sales Manager, Business Markets  
SmarTone Mobile Communications Ltd.

With over 20-year experience in the telecommunications industry, serving major corporate clients in different segments such as MNC, Banking and Finance, Professional Firms and Construction companies. Mr Ken Ho joined SmarTone since 2006, leading a team of enterprise solution specialist and consultancy on telecom services and ICT solutions, as well as innovative solutions for construction industry; providing professional advice along their digital transformation journey. Graduated Master of Business Administration from Hong Kong Polytechnic University.



## Enrolment method

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## Seminar 2: Hardware Development and Solution



24 Feb 2022  
PM Section: 14:00-17:15



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24 Feb 2022		
Time	Seminar 2 - Hardware Development and Solution	Speaker
14:00 – 15:30	Creating Hardware Platforms for Intelligent Wearables	<b>Mr Jones Fung</b> Marketing Manager Torex (Hong Kong) Ltd.
15:45 – 17:15	Battery Technology for Wearable Application	<b>Mr Tommy Yeung</b> Sales Executive Nichicon (Hong Kong) Ltd.



### Mr Fung Kin Chung Jones, MBA

Manager  
Torex Hong Kong Limited

Torex Hong Kong Limited is the South China Sales & Marketing division of Torex Group of Japan, a developer and manufacturer of analog power IC since 1992. Torex Hong Kong was established in 2007 to provide marketing, technical & logistical support to customers and distributors in South China and Hong Kong. The company is based in Hong Kong, located in TST, Kowloon.



### Mr Tommy Yeung

Sales Executive  
NICHICON (HONG KONG) LTD.

Nichicon (Hong Kong) LTD. is the South China Sales branch of Nichicon Corporation. Nichicon HK has rep offices in Shen Zhen, Chongqing, Chengdu and Hanoi Vietnam.

Since Nichicon Japan's founding in 1950, Nichicon has constantly been involved in the development, production and sales of capacitors and circuit products that are essential for many types of electric and electronic products



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## Seminar 3: Market-driven Solution and Application



25 Feb 2022  
AM Section: 09:45-13:00



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25 Feb 2022

Time	Seminar 3 - Market-driven Solution and Application	Speaker
9:45 – 11:15	Smart Wearable Sensors: from Fabrications to Applications	<b>Dr Paddy KL Chan</b> Associate Professor, Department of Mechanical Engineering The University of Hong Kong
11:30 – 13:00	Smart Health Sensing Technology for Sport Application	<b>Mr Kenny Oktavius</b> Co-Founder & CEO PointFit Technology Limited



### Dr Paddy KL Chan

Associate Professor, Department of Mechanical Engineering  
The University of Hong Kong

Dr Paddy Chan obtained his PhD degree in Mechanical Engineering, University of Michigan, Ann Arbor. His research is mainly focus on flexible transistors, sensors and wearable electronics with the potential for mass production. He was awarded the outstanding young researcher of HKU and was selected in the Physical Chemistry Chemical Physics emerging investigator theme issue from the Royal Society of Chemistry.



### Mr Kenny Oktavius

Co-Founder & CEO  
PointFit Technology Limited

PointFit Tech has developed an ultra-thin skin patch based on the patented UHMWPE Nano-membrane that monitors your health condition through sweat biomarkers and transmits it in real-time to your mobile apps. Its ultra-thin sweat sensor is built based on top of a patented advanced material (i.e. Ultra-High Molecular Weight Polyethylene). The 100-nm membrane allows a localised sweat collection and precise signal transmission to mobile-app for real-time measurement.

Mr Kenny Oktavius obtained his MPhil degree in Engineering and Management from HKUST and recipient of HKSAR Fellowship Award 2021. Prior to that, he finished his BEng. In Chemical and Biomolecular Engineering in 2019 where he started his research on Advanced Materials Ultra-high Molecular Weight Polyethylene nanomembrane for biosensor application that received prestigious research excellence from HKUST President's Award, HKIE Best Paper on Materials 2020, published in IEEE Sensors Journal which then become the core technology of PointFit Technology.



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## Seminar 4: App Development & Security



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Time	Seminar 4 - App Development & Security	Speaker
14:00 – 15:30	Smart Wearables and IoT App Development	<b>Ms Stella Kam</b> Director of Solutions Motherapp
15:45 – 17:15	Smart Wearable Security Overview	<b>Mr Chow Kai Fat, Frank</b> Centre Manager Hong Kong Computer Emergency Response Team Coordination Centre (HKCERT)



**Ms Stella Kam**  
Director of Solutions  
Motherapp

Motherapp offers smart application development. Its products help to engage your customers and improve your operations. From mobile app development to AI and digital consulting.

Stella leads Motherapp' solutions team to expand businesses in Hong Kong and Southeast Asia. In recent years, she focused on helping companies to establish O2O strategies and increase customer lifetime value (CLV) for their customers, using AI and IOT solutions to help companies to implement smart city and smart operations strategies, and making good use of UX to create customised digital transformation solutions for the enterprises.

**MOTHERAPP**



**Mr Chow Kai Fat, Frank**  
Centre Manager,  
Hong Kong Computer Emergency Response  
Team Coordination Centre (HKCERT)

Mr Frank Chow is currently the Head of Cyber Security and Hong Kong Computer Emergency Response Team Coordination Centre (HKCERT). He has more than 20 years of working experience in the cyber security industry across Asia-Pacific and leading a team of professionals in the delivery of cyber security risk management, security operation centre, and business continuity services. He is an advocate of a number of international leading practices, such as implementing ISO27001 information security management, ISO20000 IT service management, and ISO22301 business continuity management standard.



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