

Seminar: Advanced Biomedical Engineering Technology for Textile Applications

Date : 21 October 2013 (Monday)

Time : 14:30 – 17:30

Venue : HKPC Building, 78 Tat Chee Avenue, Kowloon Tong

Language: Cantonese/ English

Quota: 50

Introduction:

The textile industry has demonstrated its competitiveness and great potential in the field of biomedical and healthcare, with the development to biotextile, e-textile, biofunctional textile, medical textile, smart textile, heat and moisture transfer in textile materials, clothing function and comfort, photonic fibres and fabrics, and a lot more. These applications include implantable devices, body-worn medical devices, health-monitoring garment, high performance sportswear, fabric sensors, wearable accessories and electronics, etc.

Through this seminar, participants would be given the chance to appreciate the state-of-art of textile bioengineering in various innovative applications, and different aspects of science and technology in engineering of fibers and textiles, understand how fibers, textiles and clothing play important role in human physiology, behavior, medical treatment and health, as well as human living environments and community quality. Various support to the industry and regulatory concerns and considerations in medical textile will also be highlighted.

Time Rundown

14:30 Opening Remarks

14:45 Textile Biomedical Engineering

Presented by Prof Yi LI

Professor and Director, Textile Bioengineering Research Center, Institute of Textiles and Clothing, The Hong Kong Polytechnic University

15:15 Electric Textile Based Wearable Devices and Systems for Health Monitoring

Presented by Prof. Xiaoming TAO

Chair Professor of Textile Technology, Institute of Textiles and Clothing, The Hong Kong Polytechnic University

15:45 Innovative Technologies for Textiles and Apparel

Presented by Dr Kai-Chiu HO

Director, Research and Development, HKRITA

16:00 Tea Break

16:30 3D Printing and Introduction of Medical Device Regulatory for Medical Textile

Presented by Ir Bryan SO

Senior Consultant, Biomedical Engineering Unit, Hong Kong Productivity Council

17:00 SOFTCEPTOR Sensing Technology

Presented by Dr WANG Guangfeng

Managing Director and Co-founder AdvanPro

Project Applicant

Implementing Agent

Funding Organization



Supporting Organizations

For a full list of supporting organizations, please refer to the seminar website.



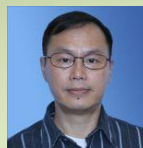
科技學院 School of Science and Technology

CPD certificate will be offered to members of the Hong Kong Institution of Engineers (HKIE). A maximum of 3 CPD hours would be received for this seminar.

Disclaimer: Any opinions, findings, conclusions or recommendations expressed in this material / any event organized under this Project do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Vetting Committee for the Professional Services Development Assistance Scheme.

免責聲明：在此刊物上 / 任何的項目活動內表達的任何意見、研究成果、結論或建議，並不代表香港特別行政區政府及專業服務發展資助計劃評審委員會的觀點。

Speakers Introduction



Prior to joining the Institute of Textiles and Clothing, The Hong Kong Polytechnic University in 1996, **Prof. Yi LI** worked as a senior research scientist and a project manager in the CSIRO Division of Wool Technology, Australia. With over 460 scientific publications and more than 30 patents, he is a Fellow of the Textile Institute, Life Fellows of International Biographical Association and the Royal Society of Art, Commerce and Manufacturing, and adjunct professors of four universities in China and a member of several professional bodies. He has won more than 26 awards on research papers, patent inventions, technology transfer and scholarships.



Prof. Xiaoming TAO graduated from China Textile University with a BEng in textile engineering and a PhD in textile physics from University of New South Wales, Australia. She has been Chair Professor of Textile Technology at Institute of Textiles and Clothing, The Hong Kong Polytechnic University since 2002. She was elected Fellow of American Society of Mechanical Engineering, Textile Institute and the Royal Society of Arts, Design and Commercial Applications. She is the recipient of the Honorary Fellowship of the Textile Institute.



Dr Kai-Chiu HO obtained his Master of Arts degree, with distinction, in Clothing Merchandising in 2001 and the Doctor of Philosophy in 2005 from The Hong Kong Polytechnic University. Dr HO has many years of work experience in the Hong Kong's textiles and clothing industry. He is also a Chartered Textile Technologist and Fellow Member of the Textile Institute, a Fellow Member of Hong Kong Institute of Textile and Apparel, a Senior Member of China Textile Engineering Society, an Adjunct Associate Professor of Institute of Textiles and Clothing of The Hong Kong Polytechnic University.



Ir Bryan SO is the Senior Consultant of the Biomedical Engineering Unit in the Automation Service Division of the Hong Kong Productivity Council (HKPC), and also the Executive Deputy Secretary General of Asian Harmonization Working Party (AHWP), focus on advanced manufacturing technologies, product development technologies, medical device development and regulatory affairs and quality management system.



Dr WANG Guangfeng is the managing director and co-founder of AdvanPro Limited. He obtained his bachelor and master degree at Tianjin Polytechnic University in 2000 and 2003, and PhD at The Hong Kong Polytechnic University in 2008. He had worked as research assistant, postdoctoral research fellow and project manager at PolyU from 2004-2010 in area of wearable electronics and soft sensors technologies.

Enrollment Form

Seminar: Advanced Biomedical Engineering Technology for Textile Applications		For registration:
Date	21 October 2013 (Monday)	<i>Please fill in the below information and fax to (852) 2788 6338 or email to mirandakwok@hkpc.org by 18 October 2013.</i>
Time	14:30 – 17:30	
Venue	HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Hong Kong	
Fee	Free of Charge	
Quota	50	For enquiries, please contact:
Name: (Prof/Ir/Dr/Mr/Ms/Mrs)* *delete where appropriate		Ms Miranda KWOK Assistant Project Officer, Biomedical Engineering Unit, Automation Service Division, Hong Kong Productivity Council Tel. no.: 2788 5547 Email: mirandakwok@hkpc.org OR Mr Bryan SO Senior Consultant, Biomedical Engineering Unit, Automation Service Division, Hong Kong Productivity Council Tel. no.: 2788 5548 Email: bryanso@hkpc.org
First Name	Last Name	
Organization:		
Position:		
Member from Supporting Organizations: (Yes/No)* *delete where appropriate Please specify Name of Supporting Organization		
Email (Required for registration confirmation):		
Office Phone No.:	Mobile No.:	
Fax No.:		
Address:		
Declaration:		
I declare that all information provided in this enrolment form and the attached documents are, to the best of my knowledge, accurate and complete.		
I have <u>read and accepted</u> all the terms and conditions of the "Important Note" in this enrolment form.		
Applicant's Signature :		Date:

IMPORTANT NOTE:

1. Personal Information Collection Statement (PICS)

Personal data (including your name, contact details and other information) provided by you will be used for the purpose of the administration, evaluation and management of your registration. You have a right to request access to, and to request correction of, your personal data in relation to your application. If you wish to exercise these rights, please send email to: edm@hkpc.org.

閣下提供之個人資料(包括姓名、聯絡方法和其他資料)將會用於處理、評估和管理閣下登記出席本活動之用。您有權隨時查閱及改正香港生產力促進局持有關於您的個人資料。如要行使上述權利,請發電郵至 edm@hkpc.org。

HKPC intends to use the personal data (i.e. your name, company name, phone number and email address) that you have provided to promote the latest development, consultancy services, events and training courses of HKPC and our business partner(s) organizing this event. The personal data that we have collected may be transferred to our business partner(s) for the above mentioned purposes for which the personal data are to be used. We may not so use your personal data unless we have received your written consent. Should you find such use of your personal data not acceptable, please indicate your objection by ticking the box(es) below.

香港生產力促進局擬使用您所提供的個人資料(即姓名、公司名稱、聯絡電話及電郵地址)向您推介本局及與本局合辦本活動的合作夥伴的最新發展、顧問服務、活動和培訓課程。我們會將為使用於上述目的而收集您的個人資料,並可能將資料移轉給與本局合辦本活動的合作夥伴。除非我們已取得您的書面同意,否則我們不會如此使用您的個人資料。如您不同意此安排,請在以下面空格加上「√」號。

I object to the proposed use of my personal data in any marketing activities arranged by HKPC.

本人反對香港生產力促進局使用個人資料於擬作出的任何推廣用途。

I object to the proposed transfer of my personal data to HKPC's business partner(s) of this event in any marketing activities.

本人反對香港生產力促進局將個人資料移轉給合辦本活動的合作夥伴於擬作出的任何推廣用途。

2. An applicant may, subject to approval from HKPC, nominate a person to attend the course on his/her behalf.

3. HKPC reserves the right to reject any application in any circumstances and for whatever reasons.

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



CPD certificate will be offered to members of the Hong Kong Institution of Engineers (HKIE). A maximum of 3 CPD hours would be received for this seminar.

Disclaimer: Any opinions, findings, conclusions or recommendations expressed in this material / any event organized under this Project do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Vetting Committee for the Professional Services Development Assistance Scheme.

免責聲明: 在此刊物上 / 任何的項目活動內表達的任何意見、研究成果、結論或建議, 並不代表香港特別行政區政府及專業服務發展資助計劃評審委員會的觀點。