

## **Topic:** Recent Advances in Applied Colour and Polymer Science



**Speaker:** Professor Long Lin  
Department of Colour Science, The  
University of Leeds, UK

**Date:** 15 November 2017 (Wed.)

**Time:** 10:00am to 11:00am

**Venue:** ST602, 6/F, Ng Wing Hong Building,  
PolyU Campus

**Abstract:** The presentation will share recent applied research carried out at the Department of Colour Science at the University of Leeds. Examples, all of which led to application technologies based on ground-breaking innovations, include the following – non-toxic permanent hair dye technology; zero-salt and zero-alkali reactive dyes for dyeing of natural fibres; effluent-free dyeing of natural fibres by inkjet printing of reactive dyes; PFC – free amphiphobic finishing for textile fabrics; ‘intelligent’ membranes for blood glucose sensors; crease and wash resistant carbon-based conductive inks for smart textile applications; printable lithium ion batteries; anti-scan/photocopy technology; and true thermochromic inks. Industrial and environmental challenges that triggered these research studies will also be presented.

### **About the Speaker**

Professor Long Lin is Professor of Colour and Polymer Science and Head of Department of Colour Science, The University of Leeds, UK. His research interests are in the area of polymer chemistry, dye/pigment chemistry, coatings/inks formulations, textile coloration, hair coloration, cosmetic chemistry, colour physics, anti-counterfeit technology, energy storage, organic synthesis, biosensors, renewable energy and has authored over 150 peer reviewed papers, books, patents and confidential technical reports. His works extensively with industry and has a track record of successful collaborative research with industry spanning 30 years. Professor Lin is Editor-in-Chief, Pigment & Resin Technology – The International Journal of Colourants, Polymers and Colour Applications, Emerald Publications, UK (since early 2003).

Following his presentation, Professor Lin would value opportunities to meet up with colleagues and explore potential collaboration opportunities between ITC and Department of Colour Science at Leeds.

