

City University Distinguished Lecture Series

Speaker

Professor Martyn Poliakoff

*Research Professor in Chemistry
University of Nottingham*



Engineering a Better World through Green Chemistry

on

Thursday, 23 May 2013 at 11:00 am

at

Connie Fan Multi-media Conference Room

4/F Cheng Yick-chi Building

City University of Hong Kong

Tat Chee Avenue, Kowloon

Abstract

The world is changing; the population is increasing, consumption is increasing and globally we are better interconnected than ever before. However, 1.3 billion people remain profoundly poor and scientists across the world need to find more efficient ways of providing for these people. Green Chemistry is ca. 20 years old and offers a way to increase global access to chemicals and to do so more efficiently. Green Chemistry aims to find cleaner ways for making chemicals and materials, particularly by reducing the hazard associated with the processes and applications. This lecture will illustrate how a combination of chemistry and engineering can be used to achieve this aim. It describes recent work in Nottingham where we have set up a partnership between chemistry and chemical engineering across the university. The lecture will include some examples of work, including the use of supercritical fluids (gases compressed until they are nearly as dense as liquids) as a replacement for environmentally less acceptable solvents in organic reactions. The lecture will also mention how we have harnessed YouTube to spread the message of chemistry across the world.

Online registration:

http://www.cityu.edu.hk/vprt/distinguished_lecture_series/upcoming.htm

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