



# Catalysis and Chemical Engineering

## Programme and registration booklet

Institute of Physics, London, UK

4 June 2013

# Introduction

Catalysis and catalytic processes are central to many aspects of chemical engineering. Whether it's securing plentiful energy supplies, protecting the environment or helping to improve industry's financial bottom-line, catalysis has a key role to play.

This new conference, supported by IChemE's Catalysis Special Interest Group, will explore current research and latest advances in the field of catalysis, which is aimed at researchers and industry practitioners working in the field.

The technical programme includes presentations from an international line-up of speakers including keynote addresses from Shell, Cardiff Catalysis Institute and Johnson Matthey.

*Catalysis and Chemical Engineering 2013* will also incorporate the inaugural presentation of the new IChemE Andrew Medal, recognising significant contribution to the field of heterogeneous catalysis.

## Technical programme

12:00	<b>Registration and refreshments</b>
13:00	<b>Welcome remarks</b> <i>Chair – Les Bolton, BP International, UK</i>
13:10	<b>Keynote address</b> <i>G Hutchings, Director, Cardiff Catalysis Institute, Cardiff University, UK</i>
13:40	<b>Keynote address: <i>Catalysis – Fast Reactions to the Energy Challenge</i></b> <i>S George, VP Catalyst Technology, Shell, US</i>
14:20	<b><i>Catalytic Materials and Preparation</i></b> <i>R van Santen, Eindhoven University of Technology, NL</i>

14:50                      **Refreshment break**

15:15	<b>Session two</b> <i>Chair – Klaus Hellgardt, Imperial College London, UK</i>
15:20	<b>Keynote address – Catalysis for Automotive Emissions Control</b> <i>P Chigada, Senior Scientist, Johnson Matthey, UK</i>
16:00	<b>Heterogeneously Catalysed Transesterification Reaction Kinetics and Diffusion Analyses for Optimal Synthesis</b> <i>J Sadhukhan, University of Surrey, UK</i> <i>A Lee and K Wilson, Cardiff University, UK</i>
16:30	<b>UK Catalysis: From Physical Sciences to Innovative Manufacturing</b> <i>A Bourne, Physical Sciences Lead, EPSRC, UK</i>
16:55	<b>Development of NiO/CeO<sub>2</sub> for Hydrogen Production via Chemical Looping Reforming of Methane</b> <i>S Assabumrungrat, Chulalongkorn University, TH</i>
17:25	<b>Closing remarks</b> <i>Conference chairman</i>

17:30 Refreshment break

18:00	<b>Andrew Medal introductory remarks</b> <i>D Brown, CEO, IChemE</i>
18:10	<b>Welcoming remarks</b> <i>TBC, CRI Catalyst Company, US</i>
18:20	<b>Syd Andrew memorial</b> <i>J Hackitt, President, IChemE and Chair, Health and Safety Executive, UK</i>
18:30	<b>Andrew Medal lecture</b> <i>C Hardacre, Head of Chemistry and Chemical Engineering, Queens University Belfast, UK</i>
19:20	<b>Andrew Medal presentation</b>

19:30 Close

# Registration form

## Catalysis and Chemical Engineering

To register online visit [www.icheme.org/catalysis2013](http://www.icheme.org/catalysis2013) or complete the form below and return it by email to [conferences@icheme.org](mailto:conferences@icheme.org) and a member of staff will contact you to process your registration or by fax to **+44 (0) 1788 560833**

IChemE member / member of Energy Conversion Special Interest Group: £160 including VAT ☐

Non member: £210 including VAT ☐

I am a member of IChemE: ☐ Yes ☐ No membership number: .....

Last name: ..... First name: .....

Title (Dr/Mr/Miss/Mrs/Ms/Prof/Eur Ing): ..... Gender: ☐ Male ☐ Female

Work details – company: .....

EC VAT registration number : .....

Job title: ..... Department: .....

Country: ..... Post/zip code: .....

Address: .....

Town/city: ..... County/state: .....

Direct telephone: ..... Direct fax: .....

Email (for pre-course correspondence): .....

**Your booking will be confirmed by IChemE on receipt of either: an official purchase order or cleared funds. By submitting this form you have agreed to our terms and conditions and cancellation policy. Terms and conditions are available at: [www.icheme.org/terms](http://www.icheme.org/terms)**

### Cancellation policy

Cancellations received in writing 28 days prior to the event will be subject to an administration charge of 10% of the fees plus VAT. No refunds will be given for non-attendance or cancellations received less than 28 days prior to the event. Substitutions are welcomed at any time. We reserve the right to cancel or alter the programme.

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