



IGEM in partnership with Scottish Hydrogen & Fuel Cell Association

ONE DAY CONFERENCE HYDROGEN – UNTAPPED ENERGY?

THURSDAY 18 OCTOBER 2012
TOWER HILL – DEXTER HOUSE

NO 2 ROYAL MINT COURT, LONDON EC3N 4QN

Hydrogen and fuel-cell technologies are at the forefront of solutions for a low carbon economy. Research is key to achieving affordable low carbon energy systems while preserving our natural resources, the environment and our quality of life.

This one day conference is for anyone interested in cutting-edge renewable energy technologies for producing, storing, distributing and utilising hydrogen.

WHY ATTEND?

Delegates will obtain an understanding of how hydrogen can be produced from renewable energy or waste, stored and distributed in gaseous form and used to generate power in various end-user applications. In addition, concerns such as associated costs, regulatory and political barriers and sustainability issues will be explored.

PROGRAMME

The programme will feature presentations from recognised experts covering issues such as: hydrogen energy storage; waste as a resource; the essential role of bio-hydrogen in a sustainable energy economy; long-term energy systems; the role of gas networks in the transition to a low carbon economy. There will also be the opportunity to debate the various technical and economical challenges involved.

In addition a research report commissioned by IGEM entitled '**Hydrogen – Untapped Energy?**' will be launched at the conference which will highlight why we need hydrogen in the energy system and the different ways it can be produced and utilised sustainably. Delegates will receive a bound copy.

WHO SHOULD ATTEND?

This conference will be of interest to those working in the gas industry, renewable energy organisations, local authorities, those involved in waste management, academics and investment bankers.

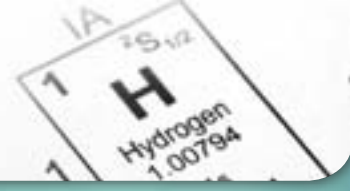
COST

IGEM MEMBERS - £250^{+VAT} **NON-MEMBERS - £500^{+VAT}**
EARLY BIRD DISCOUNT AVAILABLE

For further information contact the Events Team
on **0844 3754436** or email **events@igem.org.uk** or
visit **www.igem.org.uk/hydrogen**



PROGRAMME



09:30	Registration and tea/coffee
10:00	Welcome and introduction John Lidderdale, Logan Energy Ltd and Deputy Chairman, SHFCA
10:05	Hydrogen energy storage Graham Cooley, ITM Power plc
10:30	The essential role of bio-hydrogen in a sustainable energy economy Bill Powell, H2 Patent GmbH
10:55	Tea/Coffee
11:25	Waste not: waste as a resource Chris Chapman, Advanced Plasma Power
11:50	Hydrogen, a versatile and cost effective green energy vector Mark Crowther, Kiwa GASTEC at CRE
12:15	Question and Answer Panel
12:45	Lunch and Networking
13:45	The role of gas networks – embracing change and innovation Paul Denniff, Scotia Gas Networks
14:10	Why Hydrogen helps the UK Alastair Rennie, AMEC
14:35	Fuel cell powered –unsubsidised – CHP schemes John Lidderdale, Logan Energy Ltd
15:00	Tea/Coffee
15:15	Hydrogen and the greening of gas: a long-term energy systems perspective Will McDowall, UCL Energy Institute
15:40	Question and Answer Panel
16:10	Closing Remarks
16:15	Depart

The programme may be subject to change

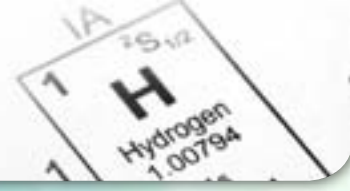


IGEM (INSTITUTION OF GAS ENGINEERS AND MANAGERS)

IGEM is a chartered professional body, licensed by the Engineering Council, serving a wide range of professionals in the UK and the international gas industry through membership, events and a comprehensive set of technical standards.

To find out more about becoming a member please contact membership@igem.org.uk

SPEAKERS



GRAHAM COOLEY
CHIEF EXECUTIVE OFFICER,
ITM POWER PLC

Graham joined ITM Power as CEO in 2009. Before that he was Business Development Manager in National Power plc and spent 11 years in the power industry developing energy storage and generation technologies.



BILL POWELL
UK REPRESENTATIVE,
H2-PATENT GMBH

Bill is currently the UK Representative for H2-Patent GmbH, an active member of the Claverton Group of Energy experts, and member of the Liberal Democrat Energy Working Group. In addition, his eco-home is listed under the Sustainable Energy Academy.



CHRIS CHAPMAN
CHIEF TECHNICAL OFFICER,
ADVANCED PLASMA POWER

Chris has 25 years' experience in the technical development and commercial implementation of environmental plasma technologies. He is co-inventor of APP's Gasplasma® process and his current focus is in developing alternative uses of the syngas, including for the production of Bio-SNG and hydrogen.



MARK CROWTHER
GENERAL MANAGER,
KIWA GASTEC AT CRE

Mark has been General Manager of Kiwa GASTEC at CRE since its formation in 1994. Since 2000 when Kiwa won a bid to investigate the addition of hydrogen to natural gas he developed a strong interest in hydrogen as a safe and convenient green energy vector in the future.



PAUL DENNIFF
NETWORK DIRECTOR,
SCOTIA GAS NETWORKS

Paul is the responsible Engineer for the company and is a member of the Executive Committee reporting to the CEO. He has 22 years gas industry experience covering all aspects of gas distribution and transmission management.



ALASTAIR RENNIE
PROJECT DIRECTOR,
AMEC

Alastair joined AMEC in 1996 to project manage large integrated services for Shell and BP. From 2002 he has focused on new energy chains, such as conventional wind with hydrogen generation and has led on the application of hydrogen standby power, and anaerobic test facilities.



JOHN LIDDERDALE
CHAIRMAN,
LOGAN ENERGY LTD

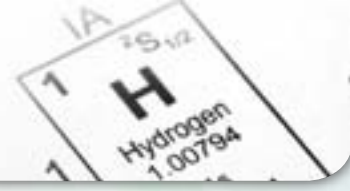
John's involvement in alternative energy has been long standing. He first drove a hydrogen powered car in 1974 and latterly was Senior Vice-President of International Sales at SurePower Corporation who were among the first to make a multi Fuel Cell run successfully as an ultra-high-availability power source.



WILL MCDOWALL
RESEARCH ASSOCIATE,
UCL ENERGY INSTITUTE

Will has been involved in hydrogen research since 2004, and is currently working on sustainability and innovation issues around hydrogen and bioenergy, using scenario approaches and energy system modelling at national and global scales.

BOOKING FORM



Please tick applicable box

IGEM Member
£250.00 +VAT

Non-member
£500.00 +VAT

First name	<input type="text"/>	Surname	<input type="text"/>
Job Title	<input type="text"/>		
Company	<input type="text"/>		
Address	<input type="text"/>		
Postcode	<input type="text"/>		
Phone	<input type="text"/>	Email	<input type="text"/>
Membership No.	<input type="text" value="IF APPLICABLE"/>	Industrial Affiliate No.	<input type="text" value="IF APPLICABLE"/>
Special Requirements	<input type="text"/>		

Payment method

Cheque
(Payable to IGEM)

Invoice
Purchase Order No.

Debit Card

- Maestro
 Visa Debit / Delta /
Electron

Credit Card

- Mastercard
 Visa

Card details

Name on card	<input type="text"/>												
Card No.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Issue No.	<input type="text" value="MAESTRO CARDS ONLY"/>						Security code	<input type="text" value="LAST 3 DIGITS FROM BACK OF CARD"/>					
Valid from	<input type="text" value="MM / YY"/>						Expiry date	<input type="text" value="MM / YY"/>					

Terms & Conditions apply. Visit www.igem.org.uk/terms-and-conditions.aspx

IMPORTANT: The Institution of Gas Engineers and Managers reserves the right to vary or cancel the event. Should the event not proceed any monies paid will be refunded but no further payments whatsoever will be applicable.

Please complete in full, retain a copy for your records and return to:

The Institution of Gas Engineers and Managers, IGEM House, 26-28 High Street, Kegworth, Derbyshire, DE74 2DA

For further details about the IGEM Hydrogen - untapped energy? conference, multi-bookings and advice on local hotels please call **0844 375 4436**, email events@igem.org.uk or visit www.igem.org.uk/hydrogen

You can also find IGEM on Facebook at www.facebook.com/igempage and follow IGEM on Twitter at www.twitter.com/igemgi