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Energy Newsletter

09 Jul 2013

### Chairman's Welcome



Dear Colleague

It gives me great pleasure to introduce our latest news digest from the IET's Energy Sector. We're continuing to forge close links with professionals, businesses and organisations working in the sector, to develop a number of key topics and collaborative projects. You'll find several examples in this newsletter. If you've got an Energy sector idea or story, do get in touch with us!

I'd like to take this opportunity to commend the IET's Innovation Awards to you. There are 15 categories to choose from and you don't have to be an IET member to enter. It would be terrific to see a strong field of candidates from the Energy sector. See the details below.

Best wishes,

**John Loughhead, Sector Chairman, IET Energy**

### IET Energy Sector News



#### What more can be done to address skill shortages?

The skills gap appears to be bigger than ever according to the IET's 2013 Skills Survey with 42% of respondents reporting that recent engineering, IT and technical recruits do not meet reasonable skill expectations. In a special Sector Insight, IET Energy spells out what the IET is doing to work with both industry and academia to help bridge the gap. Your views and active participation are vital to us!

[Read more](#)

#### UK Power Networks' Flexible Plug and Play trials telecoms platform

DNO UK Power Networks is trialling a new high-speed Internet Protocol-based platform, combining a Wide Area Network with a Wireless Radio Frequency Mesh Network

### Sector Review



#### An invasion of armies can be resisted but not an idea whose time has come

This famous Victory Hugo quote provides the inspiration for IET Member L S Chin's open letter to this newsletter on "the most important issue facing Mankind today." Chin calls for immediate action to address the problem the world's emerging energy supply crisis and sets out the agenda for a number of renewable energy solutions.

[Read more](#)

#### Stampede

In the first of a series of blogs for this

as part of its innovative Flexible Plug and Play (FPP) project. The new platform is running alongside the DNO's existing telecoms platform in the Peterborough, March and Wisbech area. Knowledge gained from the project will be shared other DNOs.

[Read more](#)

### Concerns expressed over UK Renewables structure



Delegates attending this year's 'All Energy' conference session, organised by the IET Energy Sector, on Distributed Generation (DG) identified the prevailing structure within the UK renewables market as being the biggest impediment to future success and called on the Government to lead and facilitate the creation of an integrated, national renewable energy strategy for the rest of the 21st century.

[Read more](#)

### Smart Networks Portal takes off



You'll find details of over 500 current UK smart grid projects on the Smarter Networks Portal, a new online resource, managed by the Energy Networks Association (ENA). Initially focussing on Low Carbon Network (LCN) Fund Tiers 1 and 2 and Innovation Funding Incentive (IFI) and Registered Power Zone projects, the Portal looks to host interactive Networks Innovation Allowance project registration documents, all distribution, gas and transmission IFI projects and more by October 2013.

[Read more](#)

### IET at CIRED



CIRED is the major event for the European electricity distribution community and enjoys world-wide perspective and participation. 'Electricity Distribution Systems for a Sustainable Future' was the theme of this year's conference and exhibition with record numbers of papers, delegates and exhibitors. The IET was there too, taking the stand in the exhibition hall, meeting businesses within the industry and generating some excellent video content on current and future innovation.

[Read more](#)



newsletter, IET Energy Sector Chairman, John Loughhead reports from Carbon Management Canada's annual conference in Calgary, where the oil business is booming. The industry sees itself in pole position, driving towards solutions to the carbon challenge, thereby ensuring the Province's health, wealth and happiness.

[Read more](#)



### PEMD 2014: Call for Papers deadline - 16 September 2013

7th IET international conference on Power Electronics, Machines and Drives takes place on 8 - 10 April 2014 at The Midland Hotel, Manchester, UK. Share your latest work with the international power electronics, machines and drives industry - submit an abstract to PEMD 2014 on power electronics, machines and drives, transportation, renewable energy systems, generation, transmission & distribution or industrial applications. Successful authors have their full papers published in the conference proceedings and submitted for indexing on Inspec and IEEE Xplore.

[Read more](#)

### The IET at All Energy



Event organisers Reed couldn't have bettered the attractions for this year's All Energy show - 606 exhibitors, 350 conference speakers and not one but two Ministers! It provided the perfect platform for the IET to woo the show's 10,382 visitors, listen to innovators, convene a 'state of the nation' session on UK renewables and launch its brand new corporate exhibition stand.

[Read more](#)

## IET Sector Highlights

[Community Energy](#)

[IET.tv](#)



The IET recently gave evidence to the Government's Energy and Climate Change Committee on local energy and is supporting the Technology Strategy Board's on-going public consultation on community energy systems through a series of workshops entitled 'enabling distributed energy as part of our future energy mix'.

[Read more](#)



### Meeting the low carbon challenge

An expert group, led by IET Fellow Dr Simon Harrison, has been formed to ensure a holistic thinking for future electricity networks. Specifically, the group will focus on how networks are preparing to meet low carbon generation technologies and integrate requirements for electric vehicle charging, wind and solar power and heat pumps in homes.

[Read more](#)



### Olympic delivery success – the lessons for nuclear

Last year's London Olympics will live long in the memory. Following on from the success of the Games themselves, the incredible story of how 19 major infrastructure projects, 1,000 planning applications, 27,000 activities and 15,000 workers made things happen, is inspiring organisations across the country. Find out how the Olympic Delivery Authority's visit to Sellafield inspired the Nuclear Decommissioning Authority with lessons learned.

[Read more](#)

### 26 July deadline for 2013 Innovation Awards – Enter today!



These free to enter awards span 15 categories, including Power / Energy, Sustainability and Asset Management. All shortlisted entries benefit from extensive media coverage and promotion to the IET's 150,000 members, ensuring your innovation a more prominent profile within the profession. Submit your entries by 26 July 2013.

[Read more](#)

### TSB Energy Sector Delivery Plan



The Technology Strategy Board's 2013-14 plan details all the competitions running up to March 2014 across all sectors including energy, manufacturing and underpinning technologies such as materials and sensors. TSB Head of Energy, Rob Saunders, spoke recently to the IET.tv about the Plan in detail, highlighting forthcoming Entrepreneur missions to Brazil and Colorado.



### SUSTAINABILITY

This session asks whether a global systems approach to engineering innovation can bolster political efforts to reconcile economic growth with environmental sustainability.

[View webcast](#)



### CIRED 2013: Panel discussion and questions

John Scott's presentation of a Euro Lottery ticket (at 19:06) to each of the panel followed by the question: "What are you going to spend the money on with regards to Sustainable distribution?"

[View webcast](#)

## Upcoming Events

17 Sept

### [Bringing Fusion Down to Earth](#) - London, UK

Is Fusion power within our grasp? With fossil fuel reserves diminishing and concerns over climate change increasing, the hunt for alternative sources of energy has never been more important. This talk reviews efforts to develop nuclear fusion.

16 - 17 Oct

### [Power in Unity: A Whole System Approach](#) - London, UK

The IET is delighted to bring to you a two day, multi-stream conference focusing on Smart Grid, Energy Storage, Smart Metering and Power Quality both individually and as a whole system.

## Publications

[New Code of Practice for Electrical Safety Management](#)

[Read more](#)

## IET Policy



### Policy Overview

Dr Martyn Thomas, Chairman of the IET's IT Policy Panel is calling on the Government to take advantage of the announced delay to the introduction of Smart Meters (now autumn 2015) to formalise specifications for the system.

[Read more](#)

## Jobs in your sector



### [Engineering & Technology Jobs](#)

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[Commissioning Engineer](#) - Derby

[Energy Efficiency Analyst](#) - Saudi Aramco

[EMC Engineer](#) - London

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## Your Feedback



### Your feedback welcome!

We hope you enjoy reading our e-newsletter. We're keen to celebrate and champion the work of engineers and technicians working in the Built Environment sectors. We'd like to invite your suggestions as to subject areas or hot topics you'd like to see covered by the Sector. Perhaps there's a burning issue you feel passionately about or a project you feel your peers would benefit hugely from knowing more about? Alternatively, you might just want to get in touch to register your interest in getting involved in the Sector or to offer your comments on this first edition of our e-newsletter. I look forward to hearing from you. Do get in touch!

[GordonGraham@theiet.org](mailto:GordonGraham@theiet.org)



The new Code of Practice for Electrical Safety Management offers practical advice for minimising your company's risk of electrical related accidents, business disruption and unseen costs resulting from electrical accidents. The Code guides you through a self-assessment process to determine how you compare to good practice electrical safety management activities. Now available for pre-order.

[Read more](#)



### New Book! [Multicore Simulation of Power System Transients](#)

A recent addition to the IET's power and energy book range, Fabrian Uriarte's text will delight electrical engineers, graduates, software developers and researchers with its coverage of a wide range of topics including power system modelling in the time domain, network partitioning and performance analysis.

[Read more](#)

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