



# Institute News

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## Expert energy advice on offer at flagship event

Reducing the energy consumed by UK healthcare buildings and facilities, and some of the more innovative and imaginative ways that healthcare estates teams can reduce their estates' carbon footprint, will be a key focus at this year's Healthcare Estates show. As HEJ reports, however, the flagship annual IHEEM event (being held at Manchester Central from 8-9 October), will also cover a myriad of other important topics – from the positive impact of good building design, and effective estate and asset management, to succession planning.

As well as featuring an 'Energy Theatre' within a dedicated 'energy section' on the exhibition floor (where over 180 companies will exhibit), offering 'free' presentations to pre-registered visitors, and showcasing products and services designed to help reduce carbon footprints, increase efficiency, and save money for the NHS, this year's show will feature, as a Day One conference keynote speaker, John Nangle, Crown Commercial Lead for Energy within the Cabinet Office, presenting on 'Delivering the Integrated Energy Solution for Public Sector Users'.

### Exhibition free to attend

The dedicated 'energy section' within the (free-to-attend) exhibition, meanwhile – supported by the Carbon and Energy Fund and the Carbon Trust – will see companies with specialist engineering expertise on hand throughout to offer practical carbon-cutting advice. Organisations already signed up include British Gas, Low Carbon Europe, GE Corporate, Sabien Technology, Whitecroft Lighting, Dalkia, E.ON, Lucy Switchgear, DPS Bristol, IRT Surveys, Sentinel Performance Solutions, Turner EPS, Damar Group, Thorlux Lighting, ENER-G, and Vital Energi. Within the Energy Theatre, meanwhile, presentations will be given by the Carbon and Energy Fund, with a 'bidders' teach-in', Cynergis, Dalkia, E.ON, British Gas, Spirax Sarco, GE Corporate, Mitsubishi Heavy Industries, and Trend Control Systems.

### 'Thousands of complimentary tickets' set to go out

Step Exhibitions, organiser of both the conference and exhibition, says it plans mailing out 'thousands of complimentary tickets' to potential exhibition visitors, to

encourage as wide an attendance as possible at what event director, Steve Webb, dubs 'the sector's most important event this year'.

He said: "This year's conference, complemented by a really wide-ranging exhibition, will cover numerous topics – from engineering to estate and asset management, and from backlog maintenance to architecture and design, as well, for example, as the vital issue of succession planning. However, there is no doubt carbon and emission reduction remains a particularly pressing issue for healthcare estates teams. Many such personnel will, for example, already be aware that their organisations face paying higher fees, and potentially also bigger fines, following changes to the CRC Energy Efficiency Scheme.

"To encourage organisations to continue cutting their energy use," he continued, "the Government made clear, early in the CRC's life, that the price paid for carbon allowances would increase over time. Initially the price was £12 per tonne of CO<sub>2</sub>, but this only covered Phase 1, with Phase 2 due to be introduced in April 2014, running until March 2019. It is expected that an 'update' to the scheme will see the price increase, the likelihood being that, in future, the allowances may be auctioned, or sold on the open market. Additionally, fines for failing to report promptly on annual emissions could rise."

CMR Consultants, part of the ENER-G Group, and a Healthcare Estates 2013 exhibitor, has published 'A Quick Guide to the Updated CRC Energy Efficiency Scheme' (<http://tinyurl.com/qj77a74>), which provides a scheme overview, and sets out 'the likely changes that will soon come into force'.



### Wide-ranging conference topics

Turning to this year's conference, and over 80 speakers will present under the broad subject headings of: Estates & Facilities, Engineering, Energy-saving Solutions, Design & Construction, Infection Prevention, Research & Development, and Property & Premises Management.

Steve Webb said: "Delegates will be able to move freely from stream to stream, and benefit from time to attend free sessions and 'fringe' events. The programme should afford ample time to visit the exhibition, and there will also be a number of special meeting areas, where they can network, meet new contacts, and catch up on day-to-day work.

"With the whole industry together, Healthcare Estates is the perfect place to network. Visitors can participate in discussions around the hottest topics of the day, while the exhibition offers an excellent opportunity to see a wide range of products and innovations targeted specifically at the sector under one roof."

### VIP scheme to 'add value'

"We do recognise, however, that for many, it is becoming ever-more important to be able to justify attending a conference and/or exhibition. We are thus working closely with IHEEM to ensure visitors get 'maximum value' from the show."

Qualifying visitors from the NHS, the Department of Health, the private healthcare sector, hospices, care homes, mental health NHS Trusts, and other key healthcare organisations, will thus again be offered a 'VIP' package covering the costs of parking and refreshments on site, and providing them with a dedicated area to network, and meet with key suppliers exhibiting at the show. Steve Webb said: "If requested, we can help such VIP visitors plan their day, set up meetings, and even help them find accommodation and places to eat.

"Healthcare professionals registering before 21 September will be sent details on a range of benefits and information to help plan their attendance. Our team will ensure that such personnel get the most out of attending the sector's biggest, most relevant event. If you think you qualify, and would like details, call our registration team: 01892 518877, or visit [www.healthcare-estates.co.uk](http://www.healthcare-estates.co.uk) and 'register now' to be upgraded."

### Look out for complimentary tickets

Of Step Exhibitions' plans to mail out 'thousands of complimentary tickets' to potential visitors to this year's exhibition, Steve Webb said: "With a range of benefits for pre-registered visitors, complimentary sessions, 'VIP status' for key people, and the

ability to book appointments once registered, we are again seeking to make it as easy, inexpensive, and practical as possible, for those wishing to attend this year's exhibition to do so. Look out for one of the tickets (pictured below), and, if you haven't yet received one, please contact us on 01892 518877, or email: [healthcare@stepex.com](mailto:healthcare@stepex.com)"

### Over 180 exhibitors

He adds: "This year's exhibition will see over 180 exhibitors, and key organisations representing over 200 companies, providing information on their products, technologies, and services, and giving quality presentations. Just a single day at the event could benefit you in many ways.

"Healthcare Estates is open from 8.45 am daily, and Manchester is easily accessible from most parts of the UK. The event is just a short walk from Piccadilly Station, surrounded by hotels and facilities to make your visit worthwhile."

Exhibition entrance is complimentary; visitors can either register online at [www.healthcare-estates.com](http://www.healthcare-estates.com), or register on-site. (NB, VIP visitors must pre-register on or before 21 September).

### Paralympian Gold cyclist to give Dinner keynote

This year's IHEEM Annual Dinner and Awards, at the Manchester Midland Hotel on 8 October, will feature, as the evening's keynote speaker, Mark Colbourne MBE, Paralympic Gold medalist in cycling for Great Britain at the London 2012 Olympics.

Steve Webb said: "Mark Colbourne broke his back in a near fatal paragliding accident in May 2009, and, despite being left with lower leg paralysis and drop foot in both feet, fought for 12 months to learn to walk again with walking aids. He is now a full time professional paracyclist for his country.

"He won the first medal – a Silver – for Paralympics GB at the London 2012 home games on the track, in the 1km individual time trial – a 3-second personal best, and, the next day, broke the 3 km pursuit World Record twice in one day at the London Velodrome. He beat the current World Record by seven seconds in the morning, before again beating it by 0.2 seconds

in the event's 'final' the same night. In his preferred event on the track, he went on to win the 3 km pursuit, and obtain his first Paralympic Gold medal."

Mark Colbourne will discuss his 'life-changing experiences', support from the healthcare sector, and his own 'positive attitude to life and sport'.

Steve Webb concluded:



Mark Colbourne MBE.

"For all those involved in running, maintaining, and delivering a 'safe, clean, and secure' healthcare estate, Healthcare Estates 2013 is a 'must-attend'. Book today at [www.healthcare-estates.com](http://www.healthcare-estates.com)" For more information, T: Michelle Michelucci or Belinda Walter, on: 01892 518877, or email: [healthcare@stepex.com](mailto:healthcare@stepex.com)

■ September's HEJ will include a full show preview covering both the conference and exhibition at Healthcare Estates 2013.

#### Diary dates

**8 Aug:** IHEEM Yorkshire Branch evening event and presentation on 'Preventing Harm from Water Systems – Update on HTM 04 (and addendum issued March 2013)', by technical & compliance director, Water Solutions (Europe) Group, Tim Wafer. PPL Training, York. T: 01423 520252. Email: [a.ryan@dssr.co.uk](mailto:a.ryan@dssr.co.uk)

**3 Sept:** IHEEM Hong Kong Branch symposium on 'Modern Healthcare Engineering', Hotel Nikko, Kowloon. [www.iheemhk.org](http://www.iheemhk.org)

**9 and 10 Sept:** 2013 Meetings of the IFHE Executive Committee and Council respectively, Kuala Lumpur Convention Centre, Putrajaya, Malaysia. Email: [beam2013kl@gmail.com](mailto:beam2013kl@gmail.com) or visit [www.beam.org.my](http://www.beam.org.my) or [www.ifhe.info/forthcoming-events](http://www.ifhe.info/forthcoming-events)

**11 Sept:** Engineering Gateways Workshop, ([www.engineeringgateways.co.uk](http://www.engineeringgateways.co.uk)) The Royal Academy, London. To book, email [NLubojacky@engc.org.uk](mailto:NLubojacky@engc.org.uk) by 30 August.

**11-12 Sept:** Biomedical Engineering Association of Malaysia 2013 Hospital Engineering Conference and Exhibition, Kuala Lumpur Convention Centre, Malaysia. [www.tinyurl.com/c7kxdo](http://www.tinyurl.com/c7kxdo)

**8-9 Oct:** Healthcare Estates 2013, Manchester Central. T: 023 9282 3186. [www.healthcare-estates.com](http://www.healthcare-estates.com)

**7 Nov:** ImechE seminar on 'Improving air quality in healthcare facilities', The Institution of Mechanical Engineers, London. T: 020 7973 1258, or visit: [www.imeche.org/events/S1799](http://www.imeche.org/events/S1799)

**12 Nov:** IHEEM seminar, 'Healthcare estates 2020', The Institution of Civil Engineers, 1 Great George Street, London. Further details to appear on the IHEEM website ([www.iheem.org/Events](http://www.iheem.org/Events)) shortly.



# Branch members' day on steam railway

Members of IHEEM's Yorkshire and London Branches, accompanied by a number of family members, recently enjoyed an enjoyable Saturday out on board the Keighley & Worth Valley Railway (KWVR) steam train in West Yorkshire, courtesy of Yorkshire Branch treasurer, Ian Davies, who is a volunteer at the steam railway, having been a regular visitor 'from the age of 13 or 14'.

The KWVR is a standard gauge branch line which joins the national railway network at Keighley, and runs for five miles up the Worth Valley to Oxenhope. It is perhaps most famous for its role in the 1970 film version of Edith Nesbit's story 'The Railway Children'.

Pictured (left to right), alongside one of the locomotives, on the day of the London/Yorkshire Branch visit, are: Ian Davies, and his daughter, Amy; John Crawford, chair, London Branch; Ian's Davies's partner, Debbie Fisher; Alan Gascoine, vice-chair, London Branch; Steve Batson, events



marketing, membership, and Branch website officer, Yorkshire Branch, and son, Aaron, and Alison Ryan, chair, Yorkshire Branch. The photograph was taken by the London Branch's Bill Askew, a member of IHEEM's Professional Development Committee.

After joining the steam train at Keighley,

the party travelled to Oxenhope, and then to Haworth, home of the Brontë sisters, where a number of the party, which also included several guests, were able to spend an hour looking around the steam railway operator's locomotive works, while the remainder of the group had a little time to tour the village.

## Congratulations

IHEEM would like to congratulate the following, who had Institute grades awarded, or Engineering Council status conferred on them, recently:

### Fellow

- Mark Bloomer
- Darren Cheung
- Peter Ellis

### Member

- Stephen Benham
- David Ferry
- Michael Grantham
- Gavin McNeill

- Andrew Rendall
- Michael Talam
- Gareth Thompson
- Patrick Toal
- Matthew Ward

### Associate Member

- Brian Baitup
- Gary Fletcher

### Company Affiliate

- Building & Energy Services Association
- Commissioning and Validation Services Ltd
- Firepro UK Ltd
- Indepth Managed Services

- i3PT Certification Association
- Lend Lease
- Medical and Industrial Gas Services Ltd
- Quantum Risk Management Ltd
- Site Energy Services Ltd

### NHS Affiliate

- Birmingham Community Healthcare NHS Trust

### University Affiliate

- Liverpool John Moores University School of Architecture
- Manchester Metropolitan University

- South and City College Birmingham

### Student Affiliate

- Irfan Jamil
- Sameedha Mahadkar
- Verity Mayers
- Valentina Umeh

### Engineering Technician

- Stephen Peters
- Paul Redford

### Incorporated Engineer

- Andrew Poplett

### Chartered Engineer

- Adam Fudakowski

# Achieve savings through building optimisation

Energy management and environmental solutions specialist, EP&T Global, has joined IHEEM as a Corporate Affiliate Member 'to help healthcare estates managers achieve significant energy and cost savings'.

The organisation, with offices in London, Australia, the UAE, and Hong Kong, claims 'a track record of delivering award-winning results using a pioneering energy monitoring and management approach'. Its suite of EDGE technologies includes 'a dynamic monitoring system that can remotely collect and analyse performance data of a building in real-time, enabling estate managers to resolve anomalies in operational systems, and identify consumption hotspots as they happen'. The company said: "This unique approach has provided invaluable intelligence to improve stakeholder engagement, measure the impact of sustainability initiatives, and ease reporting obligations. For example, EP&T Global has helped British Land save £1 m in just three years, contributing to the company winning the CIBSE Energy Management Award for the second year running. Significant results were also achieved at the RPAH Medical Centre in Sydney (pictured), where a 40%



reduction in energy was achieved in the first year alone."

EP&T Global also offers 'an innovative financing model that ensures energy savings are achieved with minimal capital expenditure'. The company added: "Incentives such as the 'performance-based guarantee' mean we contractually underwrite energy saving targets of up to 25%. If this target is not reached, we are obliged to pay the difference, but this is yet to happen.

"With predictions of 40% energy price rises by 2020, some key challenges will emerge for those with increasing budget pressures to take action now. Those that do so can reap the rewards – through unlocking cost savings and, most importantly, optimising the operational performance of their hospitals and medical centres."

## Scottish branch elects new chairman

IHEEM's Scottish Branch held its 2013 AGM recently at the Glasgow offices of National Services Scotland, writes Branch secretary, Andrew Tweedie, with presentations from the Institute's President, Greg Markham, and its Chief Executive, Julian Amey.

New officers elected to the Branch included Graeme Dunn as chairman (pictured right with, Julian Amey – left, and Greg Markham – centre); Ian Sandford, vice-chairman, and Robert Allan as the new treasurer. Two new members, Gerry Brannigan, and Bill Banford, were elected onto the Branch committee.

The AGM was preceded by a lunchtime seminar on emergency lighting delivered by Pat Donnelly, an area sales consultant at emergency lighting specialist and IHEEM Company Affiliate, P4.



Are all NEW MEMBERS OF YOUR STAFF aware of the Institute and its services?  
**PLEASE ENCOURAGE THEM TO JOIN!**

[membership@iheem.org.uk](mailto:membership@iheem.org.uk)

## Financial help for training from the RAE

As IHEEM often points out through articles in this Journal, and as the Royal Academy of Engineering (RAE) puts it in the latest issue of the Engineering Council's 'Register News' newsletter (May 2013; [www.tinyurl.com/lvshjgs](http://www.tinyurl.com/lvshjgs)), 'the most important resource that any innovative and growing enterprise has is the knowledge and skills possessed by its employees'.

In accord with this belief, the Institute's Membership and Registration Committee is keen to draw *HEJ* readers' attention to the help available for training from the RAE, which supports the training and development of engineers in UK industry through an annual scheme which makes company awards of up to £10,000 each.

An RAE news story in the Engineering Council newsletter elaborates: "The scheme assists enterprises by awarding funds to support training programmes which focus on the development of their engineering staff."

The RAE goes on to explain that all UK enterprises operating in the engineering, manufacturing, ICT, or construction and building services sectors, are eligible to apply. Any size of enterprise is able to participate, and applications from SMEs, small business units of large companies, and new business start-ups, are 'particularly encouraged'.

"There are two tiers of award: £10,000 and £5,000, and prospective applicants should indicate for which level of award

they are applying," the RAE adds.

"The award is not intended to be a reimbursement of the total training costs, as the Academy is keen to see these awards stimulating an investment in training from the respective enterprises."

Over the past 10 years, over 1,200 companies spread across the UK have received RAE funding for training programmes involving some 20,000 engineers. This year the Academy will be awarding up to £300,000 through the scheme.

The deadline for applications is 24 October, 2013, and applicants will be notified as to the outcome in January 2014. Further details can be found at: [www.tinyurl.com/l5w4bqt](http://www.tinyurl.com/l5w4bqt)