

## IOP London and South East E-Bulletin – February 2013

Welcome to the IOP London and South East Branch's February e-bulletin. The aim of this newsletter is to be a one stop shop keeping IOP members up to date with upcoming events and opportunities as well as what the Branch is doing in their local area.

Upcoming events, opportunities, and news of Branch activities in their local area.

### Keep Updated

There are a host of ways for you to find out what your local IOP branch is doing.

On the web <http://london.iop.org>

On Facebook [www.facebook.com/ioplse](http://www.facebook.com/ioplse)

On Twitter [@IOPLSE](https://twitter.com/IOPLSE)

### World Record!

Late last year the L&SE committee helped South Hampstead High School participate in the biggest simultaneous physics experiment in multiple venues record attempt (read more [here](#)).

The Branch is happy to announce that the record attempt had been successful. The IOP L&SE Branch would like to congratulate South Hampstead High School and all the schools that participated across the UK.

### Lecture Series (February and March)

The IOP strongly encourages members to bring along guests to its free public lectures. Please click on the links below for further details.

[KENT - 5 February, 7.30 p.m. - Prof. Wade Allison](#)

**Radiation and Reason: a Fresh Look at the Effect of Radiation on Life**

[London - 6 February, 7.30 p.m. - Dr David S Berman](#)

**Theoretical Physics and String Theory**

[MILTON KEYNES - 12 February, 7.30 p.m. - Prof. Paddy Regan](#)

**Nuclear Spectroscopy: From Natural Radioactivity to studies of the most Exotic Isotopes**

[AWE - 18 February, 7.30 p.m. - Dr Andrew Norton](#)

**Exoplanets and How to Find Them**

[LONDON - 20 February, 6.30 p.m. - Dr Steve Kane](#)

**The Physics of Finance**

[HERTS - 27 February, 7.00 p.m. - Prof. Malcolm Smith](#)

**The Inertor for Control of Mechanical Systems**

[LONDON – 4 March, 6.30 p.m. – Prof. Sir Michael Berry\\*](#)

**How Quantum Physics Democratised Music**

\*Please note that this is a public lecture organised by the central IOP. Places are limited and if you would like to attend you will need to register [here](#).

[KENT – 5 March, 7.30 p.m. – Prof. John Ellis](#)

## **The Higgs boson and beyond**

**LONDON – 6 March, 6.30 p.m. – Dr Edwin Aird**

**Radiotherapy: the Invisible Life Saver**

**MILTON KEYNES – 12 March, 7.30p.m. – Prof. Jonathan Butterworth**

**The Large Hadron Collider: Latest News from the Energy Frontier**

**KENT – 19 March, 7.30 p.m. – Prof. Seb Oliver**

**Smoke Signals from the Distant Universe – joint meeting with SEKAS**

**LONDON – 20 March, 6.30 p.m. – Dr Gregory Wurtz**

**The Optics of Very Small Stuff**

**HERTS – 27 March, 7.00 p.m. – Dr Stuart Clark**

**The Day Without Yesterday**

Full details of the above events and others can be found on the London and South East Branch Public Lectures Leaflet January to June 2013 [here](#).

## **Volunteering Opportunities**

Volunteers play a vital role at the Institute of Physics –raising awareness about the importance of physics and inspiring the next generation of physicists. Without this help the IOP would have to limit the number of events and projects it gets involved in.

If you would like to become a volunteer for the IOP L&SE Branch then please email [lee.crouch@iop.org](mailto:lee.crouch@iop.org) with “volunteer” in the subject of your email. You will then be contacted when volunteering opportunities arise in your area.

For upcoming one-off volunteering opportunities please see below:

### **The Challoner’s Careers Fair**

On Tuesday 26th March 2013 from 4pm until 8pm, Dr Challoner’s Grammar School will be holding its fourth careers fair. This is an extremely popular and successful event open to over a 1000 students aged 14 and upwards.

If you work in a **physics-based industry** and are available to talk to the students about your job then please contact [lee.crouch@iop.org](mailto:lee.crouch@iop.org) for further details with “The Challoner’s Careers Fair” in the subject of your email.

### **Lab in a Lorry comes to Somerset – January to March 2013 - [www.labinalorry.org.uk](http://www.labinalorry.org.uk)**

Lab in a Lorry is an interactive mobile laboratory, which gives young people (11–14 year olds) the opportunity to explore science through open-ended experiments. Volunteers guide the students through the experiments (optoelectronics and medicine, sound and resonance, light scattering and colours, oil and viscous liquids) and make sure everyone gets involved through hands-on experience.

The lorry will be touring Somerset throughout the start of 2013 with numerous dates available, so if you’re in the area why not help out? For further details contact [james.bamford@iop.org](mailto:james.bamford@iop.org).

## **L&SE Branch Newsletter**

Packed with stories about what the Branch has been up to, if you haven't had chance to see it yet then you can check out the January newsletter by logging into MyIOP [here](#).

### **Science Oxford 10 April 2013 – The WOOFYT Returns!**

For those members in the Oxford area with children (7+), local musician Jeremy Sampson will again bring his Wooden One-Octave Organ For Young Technologists (WOOFYT) to Science Oxford.

Supported by the IOP L&SE Branch, the WOOFYT is not only great fun but gives young people the chance to play music while learning about the science of sound. Sessions start at 11am, 12am, 2pm and 3pm and with places limited booking is recommended.

You can book through [Science Oxford](#) on 01865 810 000 or online at [here](#). Admission charge applies (free with entry to the Discovery Zone).

### **Prof. Kalmus' 80th Birthday**

The Particle Physics Research Centre (PPRC) at QMUL will hold a half day meeting in the afternoon of Wednesday 20th March 2013 to celebrate Peter Kalmus' 80th Birthday. The format of the meeting will be a series of talks by Peter's colleagues over the years, followed by a reception and dinner.

Over the years Peter Kalmus has worked tirelessly with the IOP L&SE to promote physics to the general public and is currently a member of the committee. To learn more and to attend the meeting please visit <http://pprc.qmul.ac.uk/research/peter-kalmus-80th-birthday>.

**ENDS**