

# The ATOM Society Newsletter

## Upcoming talks and events

**18 – 21 March** in Abingdon

### **ATOM! Festival**

The ATOM! Festival, the official closing highlight event of the Oxfordshire Science Festival, is a celebration of science and technology in [Abingdon-on-Thames](#).

The full programme for the 2015 Atom Festival can be found on its website [www.oxscifest.org/atom](http://www.oxscifest.org/atom). You can download the brochure or just view it on screen. Tickets for the various events can be purchased on line.

**ATOM Society members will be given a 20% discount on ticket sales.**

**Thursday 26 March** 7.30 pm, Kings Head and Bell (King Charles Room)

### **ATOM Society lecture**

**There will be no Society Meeting owing to the ATOM Festival taking place from the 18th to the 21st March**

**Thursday 22 April** 7.30 pm, Kings Head and Bell (King Charles Room)

### **ATOM Society lecture**

#### **Neutrinos – The Ghostly Shape-shifters**

Professor Alfons Weber (University of Oxford & STFC/RAL)

Neutrinos are some of the most abundant particles in the universe, but very little is known about them. This talk will tell you why neutrinos were originally “invented”, why they are important to understand and give you a glimpse of their strange properties: They can travel through light years of lead without being stopped; they can change from one particle to being another; they may be the very reason, why we are here.

Please feel free to bring a friend to any ATOM Society talks, although non-members will be invited either to join the Society or to make a £3 contribution on the day.

**Thursday 28<sup>th</sup> May 7.30 pm, Kings Head and Bell (King Charles Room)**

### **ATOM Society lecture**

**Speaker TBC**

**Thursday 25<sup>th</sup> June, 6:00 pm**

### **ATOM Society visit**

#### **Visit to Culham Laboratory**

Further details of the visit will be provided to Members in May.

## Recent talks and events

**Thursday 26<sup>th</sup> February 2015:**

### **ATOM Society meeting**

#### **‘Looking inside the brain’ by William Trigg (GE Healthcare)**



**Members listen to a brief introduction to the forthcoming ATOM festival while the speaker William Trigg (front left) prepares to start.**

A packed King Charles Room enjoyed a splendid overview of brain scanning by William Trigg of GE Healthcare.

The presentation included the various mainly non-invasive techniques available in today's hospitals for presenting 3-D structures of 'the most complex structure in the known universe' and how these techniques are applied to the diagnosis and monitoring of today's most common brain diseases.

The extended informal discussions following the lecture testified to the high level of interest in this topic

**For the most up-to date information visit**  
**<http://www.atomsociety.org.uk>**

## What does the ATOM Society do?

The ATOM Society organises talks and occasional visits for members, generally on the fourth Thursday of every month except December. Talks will be on a subject of broad scientific interest and are currently being held in the King Charles Room of the Kings Head and Bell, East St Helen Street, Abingdon, starting at 19:30. With a break and question and answer session after the talk, the meetings generally conclude about 9:30 pm.

Membership of the ATOM Society is open to anyone sixteen years old or over who has an interest in science and technology or would like to find out more.

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## Membership

### • Benefits

Members of the ATOM Society benefit from

- Free attendance to our regular talks and events
- A voice in shaping the Society

### • How much?

Yearly membership of the ATOM Society is £20 for an individual, or £30 for a family. Guests are welcome to attend society meetings for a £3 fee each time.

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## How to join

If you haven't already done so, **join the ATOM Society today!** You can complete a membership forms available at the next meeting or print out the form attached with this newsletter and bring it with you.

For ATOM Society enquiries or feedback please email: [secretary@atomsociety.org.uk](mailto:secretary@atomsociety.org.uk)