

# Institute of Physics – London & South East Branch – Retired Members Section

IoP Retired Members Day Programme at Birmingham University  
on Thursday 9 May 2019

This visit has been organised by the Department of Physics and Astronomy at the University of Birmingham and the Retired Members Section of the London and South East Branch of the IOP. Among others we are grateful to Professor Alberto Vecchio and Dr Maria Pavlidou (UoB) and to Tom Jacobs (REMS) for their organisational help. The event is part of a new IOP initiative to draw together retired member activities throughout the UK.



## Description

**This day of lectures and laboratory tours is the first of two coupled events and you are very welcome to attend either or both. It is followed the next day by a visit to nearby Ironbridge, cradle of the world's Industrial Revolution. Both local and distant members of the IOP are invited, whether retired or still in harness, and any of their guests. Those intending to visit Ironbridge the next day may like to stay the night at an adjacent hotel and take the minibus to Ironbridge being laid on the next morning (see the end of this flyer for logistical advice). Book early to avoid disappointment.**



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ASTRONOMY

The first focus of the day will be on Astronomy with particular reference to Gravitational Waves, Exoplanets and Astrophysics. Following lunch, we shall hear about the work of the Department's Quantum Hub including research on Cold Atoms and Quantum Optics. (See the following draft programme).

Time	Activity	Room
10.30-11.00	Arrival and Refreshments	Coffee Lounge, 2 <sup>nd</sup> floor, Poynting Building (R13)
11.00-11.30	Lecture 1: Gravitational Waves (Prof A Vecchio)	Small Lecture Theatre 2 <sup>nd</sup> floor, Poynting Physics
11.30-12.00	Lecture 2: Exoplanets (Dr A Triaud)	Small Lecture Theatre 2 <sup>nd</sup> floor, Poynting Physics
12.00-12.30	Gravitational Wave lab tour	Physics West Building (R8)

12.30-13.00	Q and A Session on astrophysics research (members of the astrophysics research team)	Small Lecture Theatre 2 <sup>nd</sup> floor, Poynting Physics
13.00-14.00	Lunch (including walk to next venue)	Astor Restaurant, Staff House (R24)
14.00-14.30	Lecture 3: Introduction to the Quantum Hub (Prof K Bongs)	Room 1811, 1 <sup>st</sup> floor, Metallurgy and Materials building (G6)
14.30-15.00	Lecture 4: One aspect of cold atoms/quantum optics research within the Hub (Dr A Wilson)	Room IBII, 1 <sup>st</sup> floor, Metallurgy and Materials building (G6)
15.00-15.30	QT Hub lab tours	Metallurgy and Materials building (G6)
15.30-16.00	Q and A Session on Hub research (members of the QT Hub research team)	Room IBII, 1 <sup>st</sup> floor, Metallurgy and Materials building (G6)

**Where and when to meet:** gather for refreshments from 10:30 to 11:00 in the Poynting Building, Coffee Lounge, Floor 2, R13

**Getting there:** Birmingham University has its own railway station on campus: University (Birmingham). Many connecting trains run the short journey to and from Birmingham New St Station which enjoys a frequent service from London Euston. See the rail journey planner at: <http://ojp.nationalrail.co.uk/service/planjourney/search> .

**Lunch:** our hosts will provide lunch at 13:00 at the Astor Restaurant, Staff House R24.

**Timetable:** see Programme above.

**Size of party:** max 30 inc those from LSE and elsewhere.

**Cost:** £20.00

**Contacts:** Before the day e-mail tony Colclough at [tonycolclough@outlook.com](mailto:tonycolclough@outlook.com) or ring on 020 8398 0766. On the day try 07930 171307

**Late arrivals:** Call Tony Colclough as above.

**Registration and payment:** It is necessary to register for this visit. To book a place on this trip and/or the trip to Ironbridge the next day, e-mail Tony Colclough at [tonycolclough@outlook.com](mailto:tonycolclough@outlook.com) . Payment is by cheque made out to The Institute of Physics (not IOP please) which is to be sent to Tony Colclough (REMS), 34 Sugden Road, Thames Ditton, Surrey KT7 0AE.

## **Planning your attendance.**

### **Accommodation on site.**

If the Birmingham visit is combined with an overnight stay before departing for Ironbridge the next day, you might use the Edgbaston Park Hotel and Conference Centre <https://conferences.bham.ac.uk/accommodation/> (G14 on campus map) or, if unavailable, The Beeches <https://chartridgevenues.com/the-beeches/> . Those who dislike rising early to travel may wish to stay the night before as well.

*To book accommodation at Edgbaston Park Hotel you must either send an email to Lucy Woods or Matthew Arnott at [reservations@edgbastonparkhotel.com](mailto:reservations@edgbastonparkhotel.com) or telephone Lucy at +44(121) 414 9780 or Matthew at +44(121) 414 9779 In either case, please quote the booking reference code of: **IOP19**. This will enable you to book a Standard Double room at the rate of £90 B&B (Single occupancy) or £99 B&B (Double Occupancy) on 09/05/2019*

*Please note that any bedrooms not reserved by 11/04/2018 will be released back on the system for general resale to the public. Guest will not be able to book using the code after this date but may be able to book at the standard rate if there is availability.*

**Connecting transport.** A minibus will be laid on to take conference guests from their hotel to Ironbridge (via Telford Central Station if required) and then between various sites in Ironbridge Gorge. Finally, it will take us back to Birmingham New St for those returning to London. The cost is included in the cost quoted for the Ironbridge day.

### **For those not attending the scientific programme.**

#### **Non-physicist partners can engage with**

1. Winterbourne House and Gardens <https://www.winterbourne.org.uk/> (G12 on campus map)
2. Lapworth Museum of Geology <https://www.birmingham.ac.uk/facilities/lapworth-museum/index.aspx> (R4 on campus map)
3. The Barber Institute of Fine Arts <http://barber.org.uk/> (R14 on campus map)
4. Take train to go to city centre for
  - Birmingham Museum and Art Gallery
  - National Sealife Centre
  - Brindley place (a walk near the canals)
  - Thinktank Birmingham Science Museum