



# IOP Nuclear Physics Conference 2017

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## Contact information

Please read this handbook prior to the event as it includes all the information you will need while onsite at the conference. If you have any questions, please contact the conferences team by telephone or email. There will be at least two IOP representatives on-site for the duration of the conference (see registration times), in case you have any queries and to support the overall running of the event.

Rachael Street  
Institute of Physics

E-mail: [rachael.street@iop.org](mailto:rachael.street@iop.org)  
Tel: +44 (0)20 7470 4984

Conferences team  
E-mail: [conferences@iop.org](mailto:conferences@iop.org)

## Organising Committee

Scientific Organiser  
Dr. Tzany Kokalova Wheldon SFHEA  
Chair of the IOP Nuclear Physics Group

*We hope that your time at the conference is enjoyable. However, should you encounter any problems during your stay, please report them to the registration desk at your earliest convenience. The conference team will make every effort to rectify the issue as soon as possible.*

### Disclaimer

The Institute of Physics, University of Birmingham and their approved representatives cannot take responsibility for any accident, loss or damage to participants or their property during the conference.



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## Venue

The conference will be held in the Alan Walters Building which is based on the Edgbaston Campus at the University of Birmingham. The talks will take place in Lecture Theatre G03, room 111 and room 112 and the poster sessions, refreshments and lunches will be in the Atrium. Please refer to the appendices for a plan of the event venue.

### Venue address:

University of Birmingham  
Edgbaston  
Birmingham  
B15 2TT  
UK

Telephone: +44 (0)121 414 3344

For information about the venue, please visit their website:

<http://www.birmingham.ac.uk/contact/directions/getting-here-edgbaston.aspx>

## Travel

Birmingham is at the heart of the UK's domestic, European and International transport network. Download a free app from the [University of Birmingham](http://www.birmingham.ac.uk) website to access campus maps and lots of useful information.

### By air

Birmingham International Airport is one of the UK's fastest growing airports, with more than 50 airlines flying from over 100 destinations. The airport operates direct flights from locations in the UK, as well as from the USA, Canada, Europe and the Middle East.

The journey by taxi from the airport to the University takes approximately half an hour. Alternatively, Air-Rail Link provides a free, fast connection between the airport terminals and Birmingham International railway station. Air-Rail Link operates every two minutes (journey time 90 seconds). Birmingham International railway station has frequent services to Birmingham New Street railway station in the city centre (journey time around 15 minutes).

### By air - from London Airports

If you arrive at one of the London airports such as Heathrow, Gatwick, City or Stansted, you will need to travel by London Underground to London Euston railway station where you can board a frequent railway service to Birmingham New Street railway station. The journey time between London Euston and Birmingham New Street is around 1 hour and 30 minutes.

Alternatively, all the London Airports run 'express' train shuttle services where you can travel quickly into the capital city. Please visit the airport website for more details on the shuttle services they provide.

For information about public transport in London (including journey planner, ticket fares, etc) please visit the [Travel for London \(TfL\)](https://tfl.gov.uk/) website: <https://tfl.gov.uk/>

### By train

Most cross-country services to Birmingham arrive at New Street Station. The centre of the main campus is a five-minute walk from University station. For information contact National Rail Enquiries (tel: +44 (0)8457 484950).



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## By car

Approaching from the north west or south east along the M6:

- Leave at Junction 6 (signposted Birmingham Central) to join the A38(M)
- At the end of the motorway, keep to the right, go over a flyover, then through some underpasses to join the A38 Bristol Road
- The University is on your right, two and a half miles from the city centre.

Approaching from the M42 north:

- Leave at Junction 8 to join the M6 northbound and follow the instructions above

Approaching from the south west:

- Leave the M5 at Junction 4 signposted to Birmingham SW to join the A38
- The University is approximately eight miles from the motorway

Approaching from the M40:

- It is easier to turn south on the M42 and leave at Junction 1, heading north on the A38 Bristol Road
- The University is approximately eight miles from the motorway

You can plan your route online using one of the free route planners - examples are [The AA](#) or [The RAC](#).

## Parking

Visitors to campus are requested to park in any of the 3 pay & display car parks as well as the new multi-storey pay on exit known as the North East Car Park. There is a charge ranging from £2.00 up to 1 hour and £6.00 5-8 hours.

## Taxis

There are taxi ranks at New Street Station and throughout the city centre. The journey to the University takes about ten minutes

## By bus/coach

There are frequent express coach services to Birmingham from London, Heathrow and Gatwick Airports, and many UK cities. The long-distance coach station is in Digbeth in the city centre.

## Visas

Citizens of the European Union do not need a visa to enter UK. If you are from any other country, find out about visa requirements before you travel by visiting [ukvisas.gov.uk](http://ukvisas.gov.uk).

If you require a visa letter from the organisers to attend 'IOP Nuclear Physics Conference 2017', please email [conferences@iop.org](mailto:conferences@iop.org)

Please include the following information in your email message:

- Event name
- Full name (including title)
- Email address
- Company / affiliation
- Full postal address
- Contact telephone number
- Registration booking reference (if applicable)
- Any specific details which must be stipulated in the letter (if applicable)
- If you require the original letter mailed to you.

(Please note that international deliveries can take at least two weeks and that we're unable to track the



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delivery progress or arrange express delivery. We are only able to confirm to you the date that the letter is dispatched.)

## Accommodation

Accommodation is not included in your registration fee and delegates are expected to make their own arrangements.

Special discounted rates at a number of local hotels (rated 3 and 4 stars) has been organised together with Marketing Birmingham. For more information, visit

<http://www.meetbirmingham.com/find-your-event/iop-nuclear-physics-conference-2017>

If you have any questions concerning accommodation in Birmingham, please contact Accommodation Services at Marketing Birmingham by telephone on: +44 (0) 844 888 3052 or email [bc.b.accommodation@marketingbirmingham.com](mailto:bc.b.accommodation@marketingbirmingham.com)

## Registration

Registration will be held in the foyer of the Alan Walters building at the following times.

Date	Times
<b>Monday 3 April</b>	10:00 – 20:00
<b>Tuesday 4 April</b>	09:00 – 19:30
<b>Wednesday 5 April</b>	09:00 – 22:00
<b>Thursday 6 April</b>	09:00 – 12:40

Each participant will receive a pen, note pad, participants list, a printed programme and a lapel badge. Participants are asked to wear their badge at all times to help with security and to enable you to identify fellow participants. Replacement badges can be issued at the registration desk in the Conference Office. On departure, please return your badge to the Conference Office to be recycled.

## Catering

The registration fee includes refreshments and lunches Mon 3 – Thurs 6 April, the drinks reception and the evening buffet dinner on Monday and Tuesday. Please refer to the full programme for timings and locations.

Date	Event	Time	Location
<b>Mon 3 Apr</b>	Welcome refreshments	10:00 – 11:00	Atrium, Alan Walters Building
	Mid-morning refreshments	11:00 – 11:30	Atrium, Alan Walters Building
	Lunch	12:30 – 13:30	Atrium, Alan Walters Building
	Afternoon refreshments	15:00 – 15:30	Atrium, Alan Walters Building
	Welcome drinks reception	17:00 – 19:00	Lapworth Museum of Geology
<b>Tue 4 Apr</b>	Arrival refreshments	09:00 – 10:00	Atrium, Alan Walters Building
	Mid-morning refreshments	11:00 – 11:30	Atrium, Alan Walters Building
	Lunch	12:30 – 13:30	Atrium, Alan Walters Building
	Afternoon refreshments	15:00 – 15:30	Atrium, Alan Walters Building
	Evening buffet dinner	17:00 – 18:00	Atrium, Alan Walters Building
<b>Wed 5 Apr</b>	Arrival refreshments	09:00 – 10:00	Atrium, Alan Walters Building
	Mid-morning refreshments	11:00 – 11:30	Atrium, Alan Walters Building
	Lunch	12:30 – 13:30	Atrium, Alan Walters Building



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	Afternoon refreshments	15:00 – 15:30	Atrium, Alan Walters Building
	Drinks reception	19:00 – 19:30	Noble Room Annexe, Staff House
	Conference dinner	19:30 – 21:00	Noble Room, Staff House
<b>Thurs 6 Apr</b>	Arrival refreshments	09:00 – 10:00	Atrium, Alan Walters Building
	Mid-morning refreshments	11:20 – 11:40	Atrium, Alan Walters Building

## Dietary requirements

Participants with special dietary requirements are asked to notify the conference office by email no later than 30 March 2017, if they have not already done so when registering. Those with special dietary requirements other than vegetarian are asked to make themselves known to the catering team. It will not be possible to provide an alternative menu unless prior notification has been received. Please email [rachael.street@iop.org](mailto:rachael.street@iop.org) if you have any queries.

## WiFi

Free WiFi is provided on either the WiFiGuest network or Eduroam for visitors from other participating universities. To access either of these networks please visit <https://intranet.birmingham.ac.uk/it/teams/infrastructure/core/wireless/index.aspx>

## Information for presenters

The lecture theatre is equipped with the following audio-visual equipment:

- Data projector and screen
- Conference laptop with PowerPoint facilities
- Laser pointer
- Lectern and hand held microphones

Speakers wishing to use additional audio-visual equipment or intending to present from a Macintosh computer are asked to email [rachael.street@iop.org](mailto:rachael.street@iop.org) in advance of the conference.

## Oral presentations

Presenters are asked to prepare their presentations to match the time allocated in the programme as these will be strictly enforced by the conference chairs.

Speakers are requested to bring their presentations on a USB memory stick in either Office 2007 or .pdf format and preload them onto the PC located in the lecture theatre. Speakers should save their presentation into the appropriate pre-named session folders pre-set on the desktop and files should be saved by speakers surname and initial. To optimise compatibility, particularly for the inclusion of multimedia components, PowerPoint presentations should have been saved using PowerPoint's "Package for CD" facility. Direct connection of personal laptops (with set up in the break prior to the corresponding session) is an acceptable but not preferred alternative.

The lecture theatre is reasonably large - speakers should use a minimum 15-point font size in PowerPoint slides to ensure legibility.

The UK has 3-pin sockets, so if you require an adaptor please bring one with you.



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## Poster presentations

Poster presenters will have an opportunity to present their posters during the poster session on Tuesday 4 April.

Posters can be mounted from Monday 3 April at 10:00 and must be removed by 13:00 on Thursday 6 April.

Posters should be no larger than A0 in size, in portrait format. Fixing material will be provided. If your poster does not fit within these dimensions, we cannot guarantee it will be displayed. Although organisers will endeavour to save poster material, no guarantee can be made for posters not removed by the time stated above.

## Programme

Please refer to the website at <http://nuc17.iopconfs.org/programme> for the latest conference programme.

## Social programme

**Welcome drinks reception - Monday 3 April** - A welcome drinks reception will be held on Monday evening in the Lapworth Museum of Geology. The Lapworth Museum dates back to 1880 and has just recently opened following an extensive £2.7m redevelopment project. The Museum will showcase exceptional objects from one of the UK's most outstanding geological collections, with state-of-the-art galleries and a range of innovative and interactive exhibits. Attendance at this social event is included in your registration fee.

**Evening buffet dinner - Tuesday 4 April** - An informal hot fork buffet dinner will be held on Tuesday evening in the Alan Walters building before the public lecture commences. This dinner is included in your registration fee. Please indicate your attendance during the online registration process.

**Formal conference dinner - Wednesday 5 April** - A formal conference dinner will be held on Wednesday evening in Staff House (located on campus). Attendance at this social event is not included in your registration fee and must be pre-booked separately. The cost to attend the dinner is £45.00 per person (including a three course dinner with drinks). Please indicate your attendance during the online registration process.

## Local information

- **Money** - Britain's currency is the pound sterling (£). Credit cards - especially Visa and Mastercard - are widely accepted in restaurants, bars, cafés and shops. American Express and Diners Club cards are less commonly accepted. There are plenty of cash machines (also known as cashpoints or ATMs) available in and around Birmingham.
- **VAT** - Value-added tax (VAT) is a 20% sales tax levied on most goods and services except basic food items, books and children's clothing. Restaurants must, by law, include VAT in their menu prices. If you are travelling for leisure or business purposes, you may be eligible for a VAT refund. The VAT refund scheme is called the Retail Export Scheme or Tax-Free Shopping. [www.hmrc.gov.uk/vat/sectors/consumers/overseas-visitors.htm](http://www.hmrc.gov.uk/vat/sectors/consumers/overseas-visitors.htm)
- **Electricity** - UK appliances are fitted with three-pin plugs that can be connected to the UK mains supply through wall sockets. Unlike the sockets in many other countries, these have a switch to turn the power supply on and off - make sure you've turned it on if you're trying to charge your appliance. UK power sockets deliver an average voltage of 230v, although in practice this can be slightly higher. To charge devices that are compatible with this voltage, simply buy the appropriate adapter from the airport or from high street shops. If your device runs on a lower voltage, however, then you will also need a converter to stop it from over-heating. Even if your country uses lower voltages, remember to check whether your device is dual-voltage (look for the 110-240v notation) before buying a converter.





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- **Telephone** - If you're visiting the University of Birmingham from abroad, don't forget that the UK dialling code is +44 (which replaces the 0) and to check your own country's code before you travel. If you are travelling to Birmingham from abroad, using your mobile phone may cost you more than it does at home. Check your network's roaming charges before you travel.
- **Climate and weather** - The UK has a changeable climate, Birmingham has a temperate maritime climate, like much of the British Isles, with average maximum temperatures in summer (July) being around 21.3 °C (70.3 °F); and in winter (January) around 6.7 °C (44.1 °F). Like most other large cities, Birmingham has a considerable urban heat island effect. For the latest local BBC weather report [click here](#).
- **Health services** - The National Health Service (NHS) is the main healthcare provider in the UK. NHS treatment is free for UK residents. Overseas nationals are not eligible for free NHS treatment except if they need emergency treatment while in the UK. You are strongly advised to take out travel insurance to cover any medical expenses. If you come from a country that holds a UK healthcare agreement, you are entitled to free or reduced-cost medical treatment if needed immediately for a condition that started after your arrival in the UK. If you're visiting from Europe, you need to carry a valid EHIC (European Health Insurance Card) in case you need immediate and necessary medical treatment in an NHS hospital. Without this you can be charged for treatment. Travel insurance is still advisable as it offers greater flexibility over where and how you're treated, and can cover expenses not paid for by the NHS. Find out more on the NHS website [www.nhs.uk/NHSEngland/Healthcareabroad](http://www.nhs.uk/NHSEngland/Healthcareabroad)
- **Emergencies** - Visitors should be aware of their personal safety. Call 999 for the emergency services (police, fire and ambulance) which is a free call from any phone. You can also call 112 for non-life threatening assistance and to report crimes. To report non-urgent crime, call the police on 101 from within the UK.

## Health and safety

### Safety and emergency procedures

In the unlikely event of a fire, an alarm will sound. Please evacuate the building immediately and assemble outside on the semi-circle by the North Entrance on Pritchatts Road. Emergency exits are well sign posted. Do not enter the building until instructed to do so by a Duty Porter or the fire brigade.

### Smoking

In accordance with government legislation smoking is not permitted in any building, temporary enclosed structure or substantially enclosed space outside of buildings. Delegates are able to smoke Outside of buildings in designated smoking areas.

### First aid

If you fall ill or injure yourself during the conference, please report the incident to a staff member who will call a trained first-aider or visit /contact the Porters directly.

In case of serious injury, paramedics will be called. All three emergency services, fire, ambulance and police, can be contacted by dialling 999 from any telephone.

Some medicines are available over the counter from pharmacists. For medical advice, try NHS by telephone on 111 (24-hour within the UK) or visit the website at <http://www.nhs.uk/>. Reciprocal arrangements with the UK allow residents of some countries to receive free emergency medical treatment. Most doctors' surgeries have a daily drop in hour or go to the Accident and Emergency department at a hospital for emergency treatment.





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## Behaviour and conduct

The Institute of Physics and the University of Birmingham reserves the right to charge in full for loss or damage to buildings and property.

## Tourist information

If you are looking to explore Birmingham the University is situated minutes from the city centre meaning that there are many of things to do and see within the local area. The quickest way to get into the centre is by train from the University train station heading towards Birmingham New Street station which is an approximate 10 minute journey.

Please find below a list of some of the tourist attractions close to the conference venue.

- **The Lapworth Museum** of Geology, based in the University campus is now open following an extensive £2.7m redevelopment project. Enabling visitors to explore life over the past 3.5 billion years, the Museum will showcase exceptional objects from one of the UK's most outstanding geological collections, with state-of-the-art galleries and a range of innovative and interactive exhibits - all completely free of charge.
- **The Bullring** shopping centre is in the heart of Birmingham. With over 160 shops for you to explore - including Selfridges and Debenhams, it is a great place for any retail needs.
- **A Canal Walk** is the perfect way to wind down and enjoy relaxing views of the water.

Further tourist information can be found on the Visit Birmingham website at: <http://visitbirmingham.com>

The Birmingham Tourist Information Centre is situated in New Street Station, Birmingham, B2 4ND and their opening hours are 08:30am - 17:30 Monday - Saturday.

## IOP Membership

Membership of the Institute is for everyone who has an interest in the subject and its future. The Institute actively promotes physics to external audiences, increasing awareness of the importance of physics in government, education and industry. Our members come from diverse backgrounds and follow all kinds of different careers; many are directly involved in physics but as many are using their physics training in a wide range of businesses.

For more information, please visit [www.iop.org/membership](http://www.iop.org/membership)

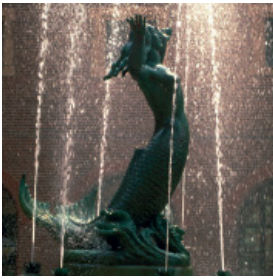
Membership benefits include:

- Physics World - the world's leading physics magazine, monthly by post, online or as an app
- IOP Journal downloads
- Careers information and resources
- Professional Status
- Academic dress
- Learning online courses
- '@physics.org' email address
- Support and grants
- Members' room
- Meeting rooms
- Member rate for IOP conferences
- Discount on author charges (NJP)



## **IOP Nuclear Physics Conference 2017**

- Business journals
- Making money out of ideas
- Local branch affiliation
- Specialist 'Groups'
- Membertalk
- Apply to become a fellow
- IOP LinkedIn group



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## Appendices:-

- [Map of Birmingham University Edgbaston campus](#)
- [Map of Birmingham city centre](#)
- [Bus timetable](#)