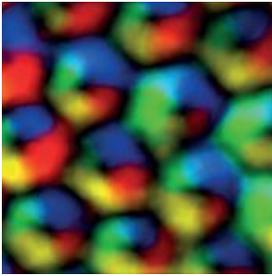


Magnetism 2016

4–5 April 2016
Cutler's Hall, Sheffield, UK

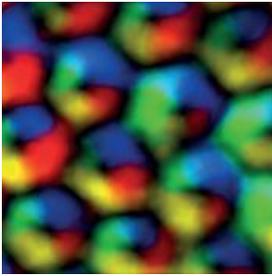
Organised by the IOP Magnetism Group
Student support by the UKRI Chapter of IEEE Magnetics Society
Sponsored by EPSRC



Magnetism 2016

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Contacts

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 or require further information, please contact Claire Garland or the conferences team. There will be two IOP representatives on site throughout the conference (please see registration opening hours) to answer any questions.

Claire Garland
Tel: +44 (0)20 7470 4840
Mobile: +44 (0)7881 923 142
E-mail: claire.garland@iop.org

Conferences team
Tel: +44 (0)20 7470 4800
E-mail: conferences@iop.org

If you encounter any problems at the conference, please report them to the conferences team who will make every effort to rectify the issues as soon as possible.

Organising committee

Dan Allwood, University of Sheffield (Co-Chair)
Gonzalo Vallejo Fernandez, University of York (Co-Chair)
Tom Moore, Leeds University (Programme Chair)

Disclaimer

The Institute of Physics and Cutler's Hall accept no responsibility for any accident, loss or damage to exhibitors or their property during the conference.

Sponsors

Student support



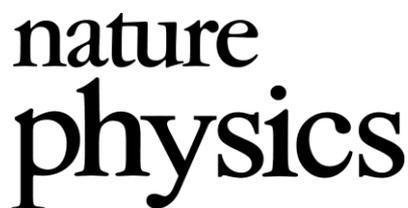
General support

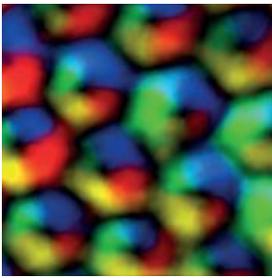


Conference dinner and badge sponsor



Poster sponsor





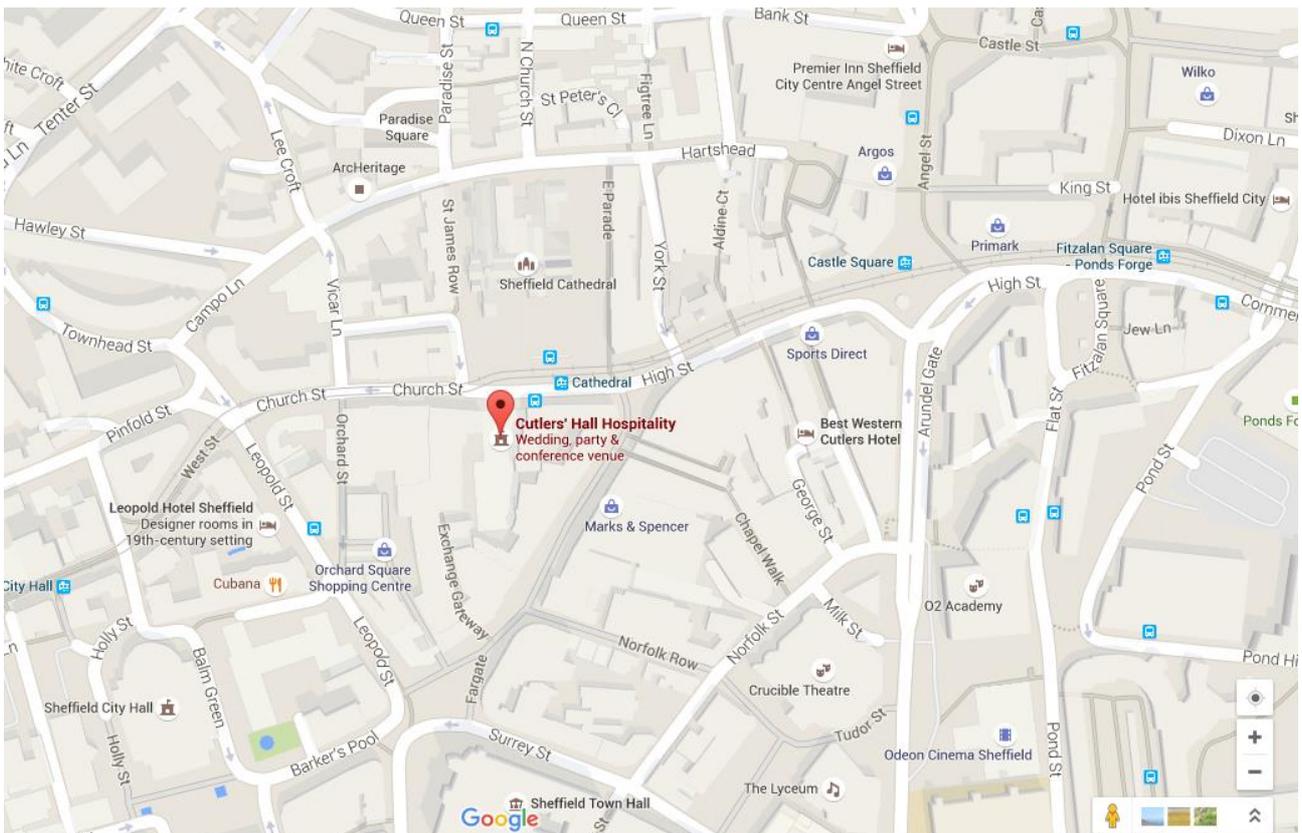
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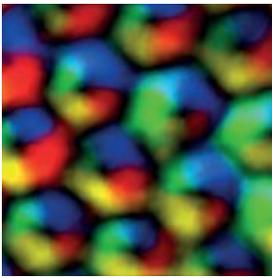
Venue

Magnetism 2016 will be located at the Cutler's Hall in Sheffield's city centre. The technical sessions will take place in the Old Banqueting Hall (first floor) and The Hadfield Hall (ground floor), while poster, exhibition and catering will be held in the Main hall (first floor). A floor plan is included on the next page. A city centre map is appended at the back of this document.

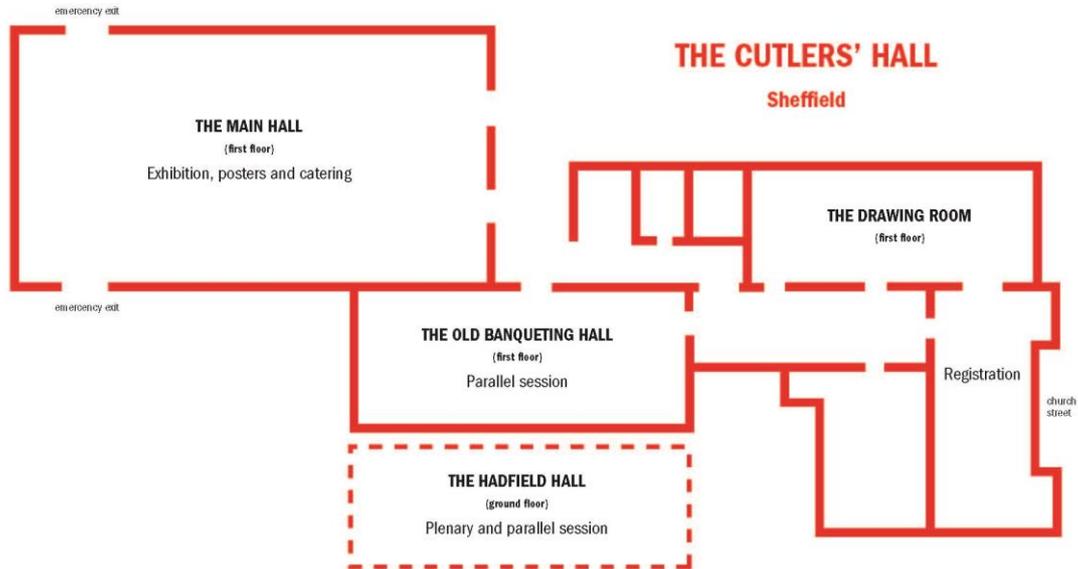


Cutler's Hall
Church Street
Sheffield
South Yorkshire
S1 1HG
www.cutlershall.co.uk





Magnetism 2016



Accommodation

Accommodation is being managed by Sheffield Convention Bureau. For further information, visit the website at <http://magnetism2016.iopconfs.org/accommodation>

If you have not already booked your accommodation, please contact the convention bureau or try the following websites: www.lastminute.com www.booking.com www.expedia.co.uk

Programme

The conference programme is available online at <http://magnetism2016.iopconfs.org/programme>

Registration

Registration will be held in the drawing room at the times listed below. Each participant will receive a pen, pad, a printed copy of the programme and a lapel badge. The abstract book will be in digital format only and will be available to download from the website at <http://magnetism2016.iopconfs.org/home/abstractbook>.

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. On departure, please return your badge to be recycled.

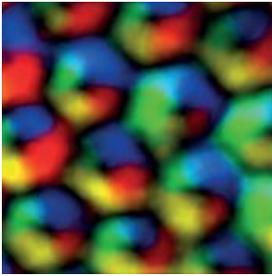
Date	Time
Monday 4 April	09:00-19:00
Tuesday 5 April	09:00-17:00

Messages

A notice board will be placed in the exhibition area. Participants should check the board for messages as an attempt to locate participants will only be made in the case of an emergency. During registration times, messages can be left by email to claire.garland@iop.org or by telephone to +44 (0) 7881 923 142

WiFi

Complimentary WiFi is available at the Cutler's Hall. The network is Cutlers Guest and the password is **CutlersGuest1234**.



Magnetism 2016

Catering

The registration fee is inclusive of refreshments and lunch for the duration of the event, and the Bierstube and Conference Dinner on Monday 4 April. Please refer to the table below for locations and timings.

Date	Event	Time	Location
Monday 4 April	Arrival coffee	09:00-10:00	Main Hall
	Refreshment break	11:15-11:45	Main Hall
	Lunch	13:00-14:30	Main Hall
	Refreshment break	16:00-16:30	Main Hall
	Bierstube	17:30-19:15	Main Hall
	Conference dinner	19:30	The Cathedral
Tuesday 5 April	Refreshment break	10:00-10:30	Main Hall
	Lunch	12:45-14:00	Main Hall
	Refreshment break	15:15-15:45	Main Hall

Dietary requirements

Participants with special dietary requirements are asked to notify the conference office, if they have not already done so when registering, prior to their arrival. 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 claire.garland@iop.org if you have any queries.

Nut allergies – unfortunately the venue cannot provide assurances that food has not been cross-contaminated with traces of nuts during ingredient processing at manufacture's site, and during food preparation on site. For this reason, we are unable to provide guarantees that any of the food is free from nuts or trace elements.

Social programme

Bierstube

The Bierstube will be held on Monday 4 April at 17:30 in the Main Hall together with the exhibitors and posters. During the Bierstube, authors are asked to remain next to their posters to answer questions.

Conference Dinner

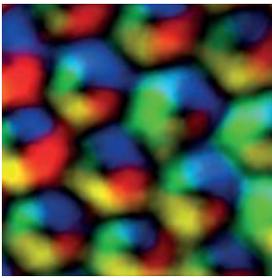
The conference dinner will be held at Sheffield Cathedral located a short walk from the Cutler's Hall. The dinner will be held on Monday 4 April at 19:30 (note there is no dress code for the dinner).

The Cathedral Church of St Peter and St Paul
Sheffield Cathedral
Church Street
Sheffield, S1 1HA

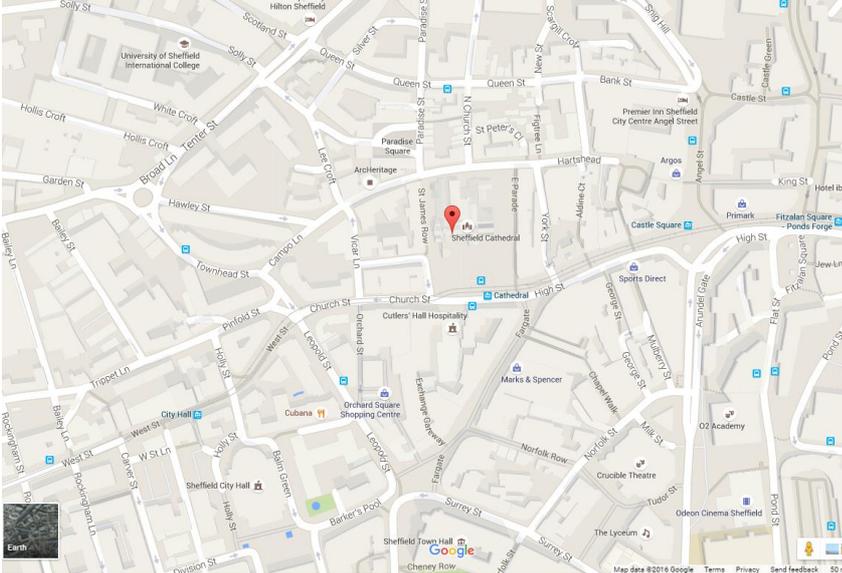
Sponsored by Durham Magneto Optics



A map showing the location of the cathedral can be found overleaf.



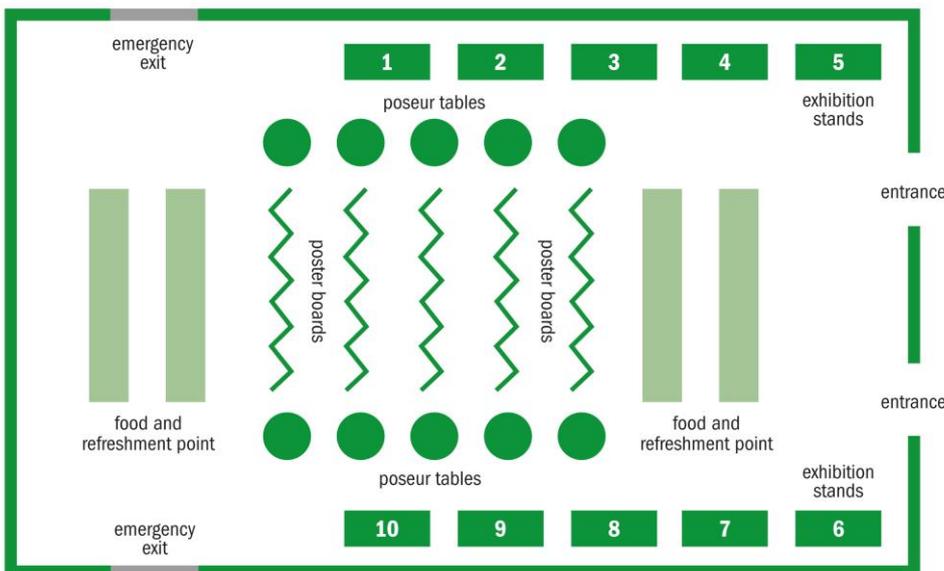
Magnetism 2016



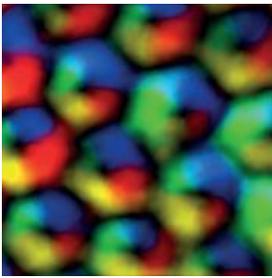
Exhibition

- Stand 2 - LOT-QuantumDesign Ltd - <http://www.lot-qd.co.uk>
- Stand 3 - Mantis Deposition Ltd - <http://www.mantisdeposition.com>
- Stand 4 - Cryogenic Ltd - <http://www.cryogenic.co.uk>
- Stand 5 - STFC - <http://www.stfc.ac.uk>
- Stand 6 - Zurich Instruments AG - <http://www.zhinst.com>
- Stand 7 - Durham Magneto Optics - <http://www.durhammagnetooptics.com/>
- Stand 8 - Oxford Instruments - <http://www.oxinst.com/nanoscience>
- Stand 10 - IOP Publishing - <http://iopublishing.org>

Floor plan



Dimensions - 100' x 50' (30 x 15m)



Magnetism 2016

Information for presenters

Oral presentations

The lecture theatre includes an LCD projector, screen and PC. If you require any additional equipment, email claire.garland@iop.org. 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.

Presentations should be structured to include an introduction, the main content and conclusions. Visual aids (e.g. maps, charts etc) can be used but you are advised to keep the information simple, use colour and contrast for emphasis and use a large enough font (minimum 15 point) to ensure legibility.

Please send your presentation in advance of the conference as a PDF or PowerPoint file to claire.garland@iop.org; please include the date and time of your presentation and only send presentations which are final.

If you are unable to send your presentation prior to the conference, please bring it with you on a USB memory stick and load it onto the PC located in the lecture theatre no later than the start of the session in which you are speaking. Please save your file as your surname and initial in the appropriate folder on the desktop. Direct connection of personal laptops (with set-up in the break prior to the corresponding session) is the alternative. For those using a PC laptop, please make sure you have a VGA output. If presenting from a Macintosh, please bring a VGA cable.

The electrical current in the UK is 230v AC and 3 pin plug sockets. If you need an adapter, please bring one with you.

Poster presentations

Posters will be on display for the duration of the conference with a dedicated poster session taking place on Monday 4 April. During this session, authors are asked to remain next to their poster to answer questions.

Posters can be mounted from 09:00 on Monday 4 April and must be removed by 17:30 on Tuesday 5 April. Any poster not removed at the correct time, will be recycled.

Poster boards are 2m by 1m and orientated vertically. Posters should be A0 in size (118.9 x 84.1cm / 46.8 x 33.1 inches), in a portrait format. Posters must be prepared in advance of the conference as it will not be possible to print them on-site. Fixing material will be supplied to mount your poster.

Travel

By air

Manchester, Leeds/Bradford and Nottingham East Midlands airports are all about an hour's travel time from Sheffield. Robin Hood Airport near Doncaster is around 30 minutes away by car.

Manchester Airport is served by many domestic and international carriers and has a direct rail link to Sheffield both day and night.

Both London airports (Heathrow and Gatwick) are reasonably accessible by rail with just one change of train. We recommend you to allow at least four hour's travel time between either of these airports and Sheffield.

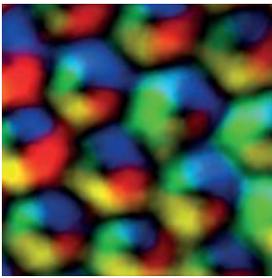
By coach

National Express operates a comprehensive coach service to most parts of the country from Sheffield Transport Interchange, Pond Street. The fastest service to London takes about 3.5 hours. National Express also offer a third off travel for students and young people holding a Young Persons' Coachcard.

Megabus coaches connect to destinations worldwide from Meadowhall Interchange, which is about four miles from Sheffield city centre. You can get a bus or train from Meadowhall back into Sheffield city centre or a tram direct to the University.

By train

Sheffield is at the heart of the railway network. Regular services operate between Sheffield and London St. Pancras (from just over 2 hours), Birmingham (1.25 hours), Leeds (1 hour) Manchester (1 hour) and Nottingham (1 hour). The Cutlers' Hall is



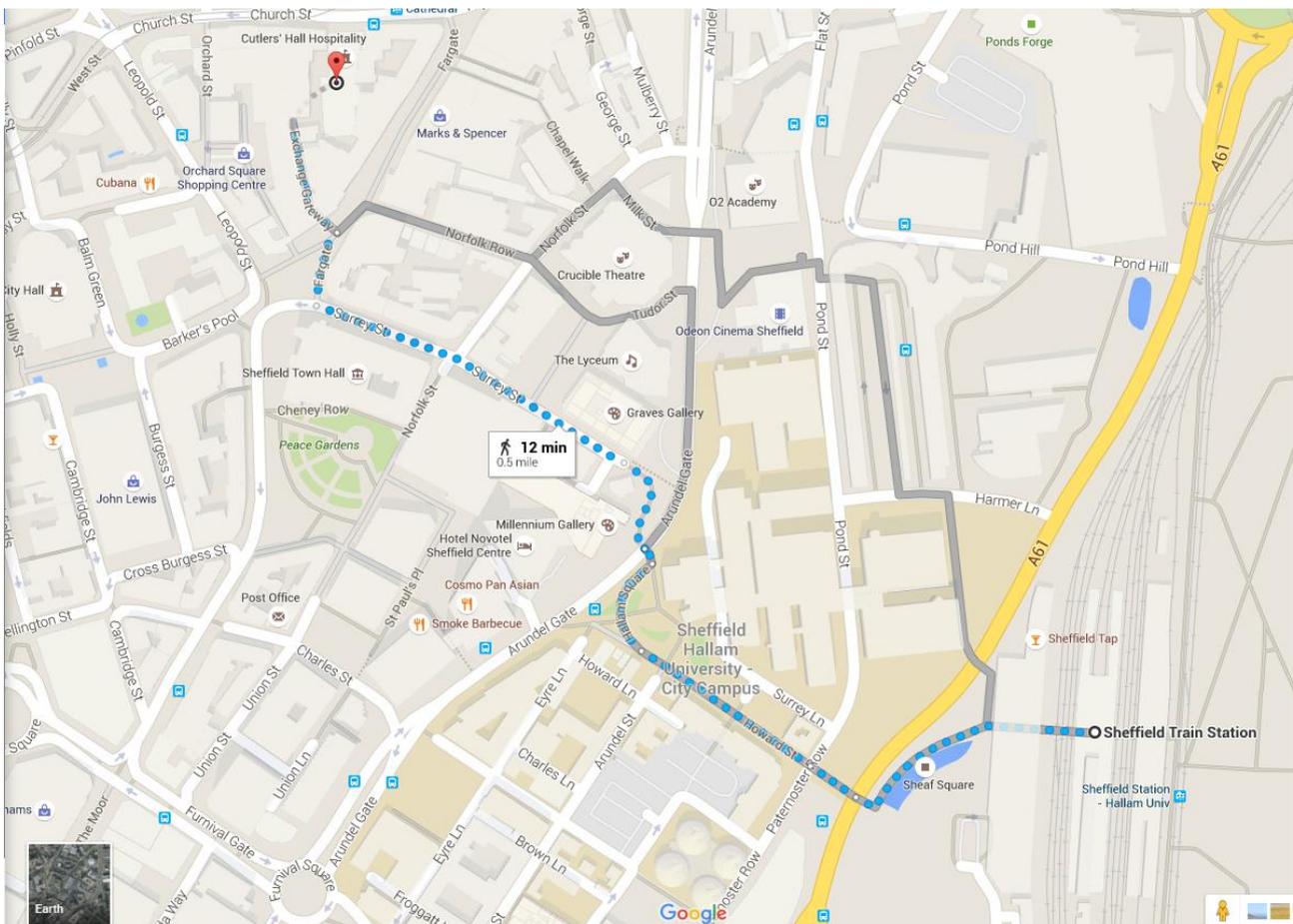
Magnetism 2016

located approx. half a mile from Sheffield's Midland Station, a 10-15 minute walk or a 10 minute taxi journey away. You can also get a Supertram direct from the station to the Cathedral tram stop.

For information contact [National Rail Enquiries](#) (tel: +44 (0)8457 484950) or [Travel South Yorkshire](#).

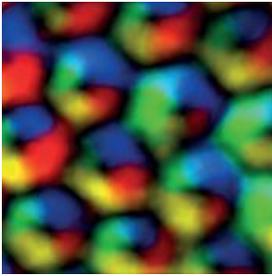
Walking route from train station to Cutler's Hall via Surrey Street (0.5 miles 11 mins)

1. Walk south-west on Sheaf St/A61 toward Sheaf Square
2. Turn right onto Sheaf Square
3. Continue onto Howard St.
4. Slight right onto Hallam Square
5. Turn left towards Surrey Street
6. Slight right at Arundel Gate
7. Continue onto Surrey Street
8. Turn right onto Fargate
9. Turn left onto Exchange Gateway



By car

- Leave the M1 at Junction 33. Follow the A630/A57 to Sheffield to the Park Square Roundabout.
- Take the lane marked 'City A61N' at the fourth exit, keeping Pond's Forge Swimming & Leisure Centre on your left, follow signs to the Theatres/Hallam University.
- Go up the hill through the traffic lights



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- Straight on to the traffic lights, stay in the inside lane of the road for access and buses 100 yards, then move into the right fork in front of Poundland.
- Using the Bus Lane which says 'except for access', go through the traffic lights for about 150/200 yards, The Cutlers' Hall is on your left (between the Tesco Express & The Royal Bank of Scotland)

Via Meadowhall

Leaving the M1 at Junction 34, park your vehicle at the Park & Ride. You can catch the tram into the City getting off at the Cathedral stop (this is directly outside The Cutlers' Hall). This takes about 15 minutes.

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

Parking

There is no on-site parking at Cutler's Hall. The nearest 24 hour car parks are only a few minutes' walk away to the hall. The N.C.P Arundel Gate is underneath the Crucible Theatre and the Q-Park, Rockingham Street at the end of Trippet Lane.

N.C.P Arundel Gate

Access is available from both sides of Arundel Gate. All Cutlers Hall guests can get a special car parking rate of £5.00 for up to 24 hours. On entry to the car park at Arundel Gate take a token at the barrier and park your car. Take the token with you, do not leave it in your car. When you are ready to leave the Cutlers' Hall go to our cloak room to validate your token on the token machine to get the discounted rate. Then pay your money at the N.C.P. car park machine before you get in your car.

Q-Park Rockingham Street

All Cutler's Hall guests can get a special car parking rate of £3.50 for up to 24 hours, Monday – Friday and £3.00 for up to 24 hours on Saturday and Sunday. On entry to the car park take a parking ticket at the barrier and park. The ticket will need to be validated by Cutler's Hall so please take your ticket with you. When you are ready to leave, please ask the cloak room attendant or doormen for a QPark Voucher. At the pay station in the car park, insert the voucher and then your parking ticket to get the discounted rate.

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. Emergency exits are well sign posted. Do not re-enter the building until instructed to do so by a member of staff 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.

First aid

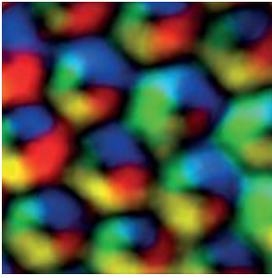
If you fall ill or injure yourself during the conference, please report the incident to a staff member who will call a trained first-aider. In case of serious injury, paramedics will be called. All three emergency services, fire, ambulance and police, can be contacted by dialling 999 from any telephone.

General information

Payment

The organiser reserves the right to refuse admission to any participant who has failed to pay their registration costs prior to the start of event. Our payment terms are strictly 30 days.

- Britain's currency is the pound sterling (£) - see www.xe.com for currency converters.
- Value Added Tax (VAT) - is charged on all purchases currently at a rate of 20%, people travelling to the UK on business may be entitled to reclaim the tax charged on event expenses.
- Electricity - British electrical standards are 50Hz 230 volts, so some North American and European electrical devices may require converters; all will require plug adapters.



Magnetism 2016

- Medical services - Some medicines are available over the counter from pharmacists. For medical advice, try NHS direct by telephone on 0845 4647 (24-hour within the UK) or www.nhsdirect.nhs.uk
- Emergencies - Visitors should be aware of their personal safety. In an emergency, the police, fire or ambulance services can be reached from any phone by dialling 999.

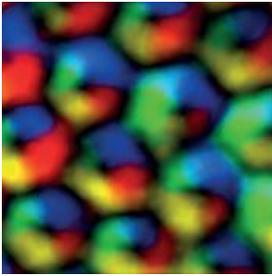
IOP membership

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

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)
- Business journals
- Making money out of ideas
- Local branch affiliation
- Specialist 'Groups'
- Membertalk
- IOP LinkedIn group



Magnetism 2016

STFC Survey

What are STFC capability and potential capabilities in the field of spintronics? What are the key messages for funders for the future?

STFC facilities are used by spintronics researchers include ISIS, the Diamond Light Source, laser and scientific computing. What else could the STFC do to support spintronics and related research?

Delegates are invited to complete this short survey

Link: <http://stfc.shapingtomorrow.com/ti/1696511/431/212>



Sheffield City Centre Map

Key:

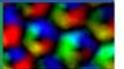
-  SUPERTRAM
-  Car Parking
-  Supertram Stops
-  Post Office
-  Cinemas
-  Restaurants, Cafés & Bars
-  Museums & Galleries
-  Toilets
-  Parks & Gardens
-  Disabled Toilet
-  Theatres
-  Tourist Information Centre (Map Ref: F4)
-  Shopping
-  Travel Information
-  Hotels (Map Ref: see below)
-  Universities

- | | |
|--------------------------------|----|
| 01. Cutler's Hall | F4 |
| 02. City Hall | E4 |
| 03. Sheffield Metropolitan | H2 |
| 04. Cutlers Hotel | F3 |
| 05. Holiday Inn Express | H2 |
| 06. Jury's Inn | F5 |
| 07. Novotel | F5 |
| 08. Halifax Hotel | A5 |
| 09. Rutland Hotel | A5 |
| 10. Copthorne Hotel | E7 |
| 11. Holiday Inn Royal Victoria | H2 |
| 12. Double Tree by Hilton | G7 |
| 13. Hilton Hotel | H2 |
| 14. Leopold Hotel | E4 |
| 15. Mercure St Paul's | F4 |

Special thanks to Sheffield Let's City Centre for their contribution to the production of the City Centre Map.

IOP Institute of Physics
Magnetism 2016

4-5 April 2016, Cutler's Hall, Sheffield, UK



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www.iop.org/Conferences

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