



# 4th Superconductivity Summer School 2016

**20–22 July 2016**

**Wolfson College, Oxford, UK**

Organised by the IOP Superconductivity Group in collaboration with  
The European Society for Applied Superconductivity (ESAS)

**IOP** | Institute of Physics  
Superconductivity Group

**ESAS**  
The European Society for  
Applied Superconductivity

<http://super2016.iopconfs.org>



# 4th Superconductivity Summer School 2016

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# 4th Superconductivity Summer School 2016

## Enquiries

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## Disclaimer

The Institute of Physics, Wolfson College, Oxford and their approved representatives cannot take responsibility for any accident, loss or damage to participants or to their property during the School.



# 4th Superconductivity Summer School 2016

## Location

The School will be held at Wolfson College, University of Oxford. The lectures will be held in the Leonard Wolfson Auditorium, within the Academic Wing at Wolfson College. On-site accommodation for residential delegates is located at Wolfson College. A map can be found at the back of this handbook.

For further information on how to get to Wolfson College visit <https://www.wolfson.ox.ac.uk/how-get-here>

## Venue

Leonard Wolfson Auditorium  
Wolfson College  
University of Oxford  
Linton Road  
Oxford, OX2 6UD  
Tel: +44 (0)1865 274100  
[www.wolfson.ox.ac.uk](http://www.wolfson.ox.ac.uk)

## Travel

Oxford is about 60 miles (90 kms) northwest of London and is well served by road and rail networks that give fast and direct access locally, nationally and from Europe.

Wolfson College is located in North Oxford, off Banbury Road, at the end of Linton Road. It is well served by local bus services, though some routes do not run on Sundays. Ask for the "St. Margaret's Road" stop. It is approximately 25 minutes' walk from the centre of town and the most direct route is along Banbury Road.

A location map for Wolfson College can be found online at <https://goo.gl/maps/DMnSrJAWwZo>

## By air

Oxford is easy to reach from the following major airports:

### [Gatwick Airport](#) and [Heathrow Airport](#)

London Gatwick and Heathrow airports are linked to Oxford by [The Airline coach service](#), which operates a direct frequent service twenty-four hours a day (tel: +44 (0)1865 785400).

### [Stansted Airport](#)

London Stansted airport is linked to Oxford by the [National Express 757 coach service](#), running every hour (tel: +44 (0)871 781 8181). You should also visit the [National Express website](#) for services to Luton Airport.

All of these services terminate at the Oxford Bus Station at Gloucester Green.

### [Birmingham International Airport](#)

There is a direct train from Birmingham International to Oxford. Visit the [National Rail Enquiries website](#) for timetables and fares.

A list of taxi companies, many of which offer a bespoke airport pick-up service, can be found on the Experience Oxfordshire website: <http://experienceoxfordshire.org/travel-information/>



# 4th Superconductivity Summer School 2016

## By rail

A direct service operates between Oxford and London Paddington (approximately every 30 minutes), and between Oxford and Birmingham New Street via Banbury and Coventry. Other services operate from the north via Birmingham New Street; from the south via Reading; and from the west via Didcot or Reading. The train station is approximately 10 minutes' walk from the centre of town and 45 minutes; walk from Wolfson College.

For information contact [National Rail Enquiries](#) (tel: +44 (0)20 7278 5240).

### From Oxford Rail Station:

Bus number 14\*/14A\*/500 Park & Ride to St Margaret; single fare approximately £2.

### From the Coach Station:

Bus number 14\*/500 Park & Ride; single fare approximately £2.

Buses to and from the centre of town are numerous and frequent, and leave from the end of Linton Road. All buses from the College into town stop on St Giles' and most buses from the centre to Summertown along Banbury Road stop at the end of Linton Road. For timetables and fares, visit [The Oxford Bus Company](#) or [Stagecoach](#) websites.

There are taxi ranks at both the rail and coach stations; approximate fare £6 - £8.

*\*does not operate on Sundays*

## By car

Oxford is connected to London, the M25 and the Midlands by the M40 motorway. Junctions 8 and 9 link directly to the city. The Oxford ring road provides direct access to the south and west coast ports of Southampton, Portsmouth and Bristol via the A34.

Birmingham-Oxford: M40-A34

Bristol-Oxford: M32-M4-A34

Cardiff-Oxford: M4-A420

Edinburgh-Oxford: A74(M)-A74-M6-M42-M40-A34

Glasgow-Oxford: M74-A74(M)-M6-M42-M40-A34

London-Oxford: A40-M40-A40

Manchester-Oxford: M56-M6-M42-M40-A34

Newcastle-Oxford: A1-A1(M)-M1-A43-M40-A34

Nottingham-Oxford: M1-A43-M40-A34

## Car parking

A limited quantity of free car parking is available for School delegates on-site at Wolfson College by prior arrangement only via email to [hoe-yin.kwan@iop.org](mailto:hoe-yin.kwan@iop.org)

## Visas

Citizens of the European Union do not need a visa to enter Britain. If you are from any other country, please find out about visa requirements before your travel by visiting <http://ukvisas.gov.uk>

## Oxford taxi companies

001 Taxis - +44 (0)1865 240 000

City Taxis - +44 (0)1865 794 000

ABC Taxis - +44 (0)1865 775 577



# 4th Superconductivity Summer School 2016

## Registration

Registration will take place from Wednesday 20 July to Friday 22 July in the Leonard Wolfson Auditorium Foyer. Times are as follows:

Date	Times	Location
Wednesday 20 July	07:30–17:30	Auditorium Foyer
Thursday 21 July	08:00–12:30	Auditorium Foyer
Friday 22 July	08:00–16:45	Auditorium Foyer

*Please note that during lunch times the registration desk may be unmanned for a short period of time.*

On arrival, each participant will receive a delegate pack containing a pen and pad, a programme and a lapel badge. Please wear your badge at all times because this will help with security and enable you to identify your fellow delegates. Replacement badges can be issued at the registration desk. On your departure, please return your badge to the registration desk so that it can be recycled.

## Venue facilities

### Internet

WiFi access is available throughout the venue and in the residential rooms.

1. Connect to wi-fi network: **BT Open Zone**
2. Open browser and go to: [www.btwifi.com](http://www.btwifi.com)
3. Enter password: **leonard**

### Cloakroom

There will be a cloakroom available for luggage storage near the registration desk, but please note that these areas are not secure. All goods left are at the owner's risk and neither the IOP nor Wolfson College accept any liability for any loss or damage to personal goods.

### Public Telephones

There are telephone boxes with a taxi phone and University network phone respectively located at the rear of the Lodge. Each bedroom has a telephone which accepts incoming calls, and you can make calls throughout the University network (but not externally). Contact us if you would like your room's telephone extension number in advance of your arrival. Should you require use of a landline to make an external call, the Wolfson Conference office will be pleased to assist.

### Prayer room

Anyone requiring the use of a prayer room should make a request at the IOP registration desk.

### Banking facilities

The nearest ATM is available in Summertown shopping district, which is situated about 10 minutes' walk from Wolfson College.



# 4th Superconductivity Summer School 2016

## Catering

Refreshments, lunch and dinner are included in the registration fee and are served at set times during the School programme, as indicated below:

Wednesday 20 July	Times	Location
Breakfast ( <i>residential delegates only</i> )	07:30 - 08:20	Hall
Arrival refreshments	07:30 - 08:20	Café
Morning refreshments	10:30 - 11:00	Haldane Room
Lunch	12:45 - 13:45	Haldane Room
Afternoon refreshments	15:30 - 16:00	Haldane Room
Welcome drinks reception	18:15-18:45	Harbour Terrace ( <i>wet weather: Auditorium Cafe</i> )
Welcome BBQ dinner	18:45	Harbour Lawn ( <i>wet weather: Haldane Room</i> )

Thursday 21 July	Times	Location
Breakfast ( <i>residential delegates only</i> )	07:30 - 08:30	Hall
Arrival refreshments	07:30 - 08:30	Café
Morning refreshments	10:30 - 11:00	Haldane Room
Lunch	13:00 - 13:45	Haldane Room
Summer School drinks reception	19:00 - 19:30	Harbour Terrace ( <i>wet weather: Auditorium Cafe</i> )
Summer School dinner	19:30	Haldane Room

Friday 22 July	Times	Location
Breakfast ( <i>residential delegates only</i> )	07:30 - 08:30	Hall
Arrival refreshments	07:30 - 08:30	Café
Morning refreshments	10:30 - 11:00	Buttery
Lunch	12:45 - 13:30	Buttery
Afternoon refreshments	15:00 - 15:30	Buttery

## Dietary requirements

Participants with special dietary requirements are asked to notify the conference office by e-mail prior to their arrival 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.

We are aware that nut allergies in particular present a serious problem to some people. Wolfson College can provide details of the ingredients of any particular dish, but cannot provide assurances that the food has not been cross-contaminated with traces of nuts during ingredient processing at the manufacturer's site or during food preparation/service on site. For these reasons, we regret we are unable to provide guarantees that any of the food we serve is free from nuts or trace elements. Please e-mail [hoe-yin.kwan@iop.org](mailto:hoe-yin.kwan@iop.org) if you have any queries.



# 4th Superconductivity Summer School 2016

## Social programme

All social programme functions and activities are included in the registration fee and you will have confirmed your intent to attend each as part of your registration. If you originally indicated that you will attend a function or activity, and are no longer able to attend, please email [hoe-yin.kwan@iop.org](mailto:hoe-yin.kwan@iop.org) at your earliest convenience.

### Welcome Reception & BBQ Dinner – Wednesday 20 July

Delegates are invited to attend a Welcome Reception taking place at 18:15 on the Harbour Terrace, followed by the Welcome Dinner on the Harbour Lawn. The wet weather alternatives, if required, will be announced on the day and will be the Auditorium Café and Haldane Room respectively.

### Trip to Oxford Instruments - Thursday 21 July

Delegates who have booked online to attend this trip will require **photographic identification** to gain access. Please note Oxford Instruments is a secure site and places are limited. The coach will depart outside the Wolfson Auditorium Reception at 13:45 and will return to Wolfson College at 16:40.

### Summer School Dinner – Thursday 21 July

The Summer School Drinks Reception will take place at 19:00 on the Harbour Terrace, followed by the Summer School Dinner in the Haldane Room. The wet weather alternative for the Summer School Drinks Reception, if required, will be announced on the day and will be the Auditorium Café.

## Presenter's information

The lecture auditorium is equipped with full audio-visual facilities, easily operated from the lectern console. The room is reasonably large, and speakers should use a minimum 16-point font size in PowerPoint slides to ensure legibility. Presenters are asked to prepare their talks to match the allocated times which will be rigidly enforced.

### Presentations

Speakers are requested to bring their presentations on USB memory stick or CD, even if also bringing their own laptop. The College laptops use Microsoft Office 2010. There is no need to save files in "Compatibility Mode", and doing so can complicate loading onto the College's machines.

Please notify [hoe-yin.kwan@iop.org](mailto:hoe-yin.kwan@iop.org) as soon as possible before the School if your presentation is on a CD or DVD, is in a format other than PowerPoint, or if it features sound, so that we can supply the necessary equipment.

### Apple Mac Laptops

If your presentation was created on an Apple Mac computer, the USB memory stick must be formatted as either "FAT32" or "FAT16" in order for it to be read by our PC laptops. If bringing your own Mac laptop, please remember to bring the DVI (or Thunderbolt) to VGA connector. If you do not have the connector, please advise the model number of your Mac, so that we can provide the right cable. Please remember that the UK has 3-pin sockets so, if you require a plug adaptor, you should also bring this with you.



# 4th Superconductivity Summer School 2016

## Safety and security

### Personal property

Wolfson College and the Institute of Physics accept no responsibility for the loss of, or damage to, personal property. Visitors are advised to keep personal possessions with them at all times.

### Evacuation policy

The procedure on hearing the fire alarm, or on discovering a fire, is to vacate the building by the quickest and safest designated route, and report to the designated assembly point. Delegates should not attempt to use fire safety equipment to fight the fire themselves - it is installed for use by trained members of the college staff who will attend in the event of an alarm. Delegates should not re-enter the building until the Fire Service or College staff confirms that it is safe to do so.

### First aid

If an ambulance is required whilst you are in the college, dial 999 or contact the Lodge for assistance: +44 (0)1865 274100. The nearest Accident & Emergency Department is John Radcliffe Hospital.

### Security

Lodge staff are on duty 24-hours a day, 7-days a week. Should an accident, theft or other incident occur on the College premises, it must be reported without delay to the Lodge Reception.

### Smoking

In accordance with government legislation smoking is permitted only in the outdoor areas designated by the provision of cigarette disposal units. Smoking is NOT permitted in any indoor area, nor on balconies.

### Behavior and conduct

The Institute of Physics and Wolfson College, reserve the right to charge in full any damage to the facilities. Considerate behaviour is expected of and shall be shown to, delegates at all times

### General information

Britain's currency - pound sterling (£) - see [www.xe.com](http://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. See website for further information:

<http://www.hmrc.gov.uk/vat/>

### Electricity

British electrical standards are 50Hz 230 volts, so some North American and European electrical devices may require converters; all will require plug adaptors. Please ensure that you bring your own adaptor with you to the School, as electrical safety regulation forbids the College from supplying adaptors.



# 4th Superconductivity Summer School 2016

## Accommodation

Wolfson College  
Linton Road  
Oxford, OX2 6UD  
Tel: +44 (01865) 274100

En-suite single accommodation for the nights of 19, 20 and 21 July is available at an additional cost and can be booked during online registration.

**Accommodation is arranged over two floors with no lift access. Therefore, if you require a ground floor room please contact Hoe-Yin Kwan as soon as possible – [hoe-yin.kwan@iop.org](mailto:hoe-yin.kwan@iop.org)**

### Bedrooms

Each room is serviced daily and is equipped with bed linen, towels, small toiletry items on arrival. Bedrooms are equipped with internet, which can be accessed on WIFI or through an Ethernet cable available on request.

There is a communal kitchen/lounge within each set of 4-9 bedrooms, or at the end of each corridor. Tea trays and kettles are supplied. There is also an iron and ironing board. There are very limited stocks of items for borrowing, so you are advised to bring your own hairdryer, clock, radio, adaptor, personal toiletries.

**Please note that we do NOT supply adaptors plugs and there is NO television in the rooms.**

### Arrival

Check-in for all days is **14:00-23:00 at the Lodge Reception Desk**, with a luggage store facility for early arrivals. Please call the Lodge on **+44 (0)1865 274083** if you anticipate arriving after 23:00, to alert the Night Porter to open the Reception Desk.

### Departure

Check-out is by **10:00 on the day of your departure**. Keys should be returned to the Lodge Reception Desk. Late departures cannot be accommodated.

### Breakfast

Breakfast is included with all accommodation bookings. Breakfast will be served in the Hall from 07:30 – 09:00.

### Smoking

The no-smoking rule is strictly enforced within all areas of the accommodation, including bedrooms, corridors, kitchen/lounges, on balconies and outside windows.

### Shops

The Summertown shopping area is located approximately 10 minutes' walk from the college, and features a full range of shops and other amenities.

[http://www.summertown.info/shoping\\_category9.html?inpBURL=index.php](http://www.summertown.info/shoping_category9.html?inpBURL=index.php)

### Security

Wolfson College and the Institute of Physics do not accept responsibility for the loss of or damage to personal property. Residential guests are advised to shut and lock bedroom windows, and lock bedroom doors, whenever they leave their room, even if going to the kitchen/lounge, and to keep valuables with them at all times. No insurance is provided by the College for guests' personal belongings.

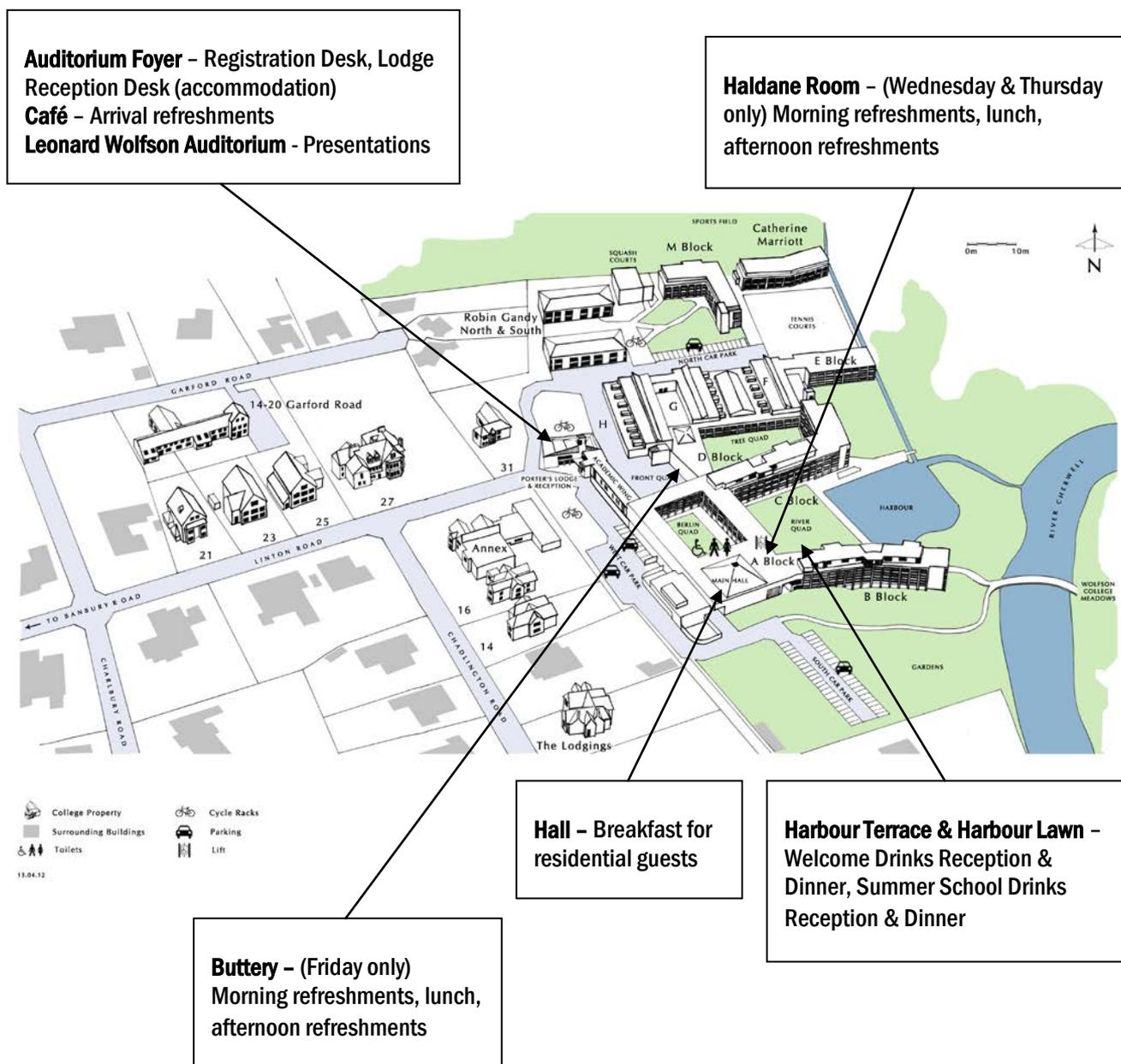


# 4th Superconductivity Summer School 2016

## Complaints and Concerns

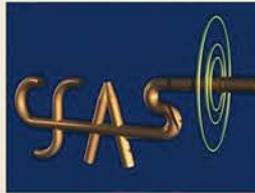
We hope that your time at the School is enjoyable. However, should you encounter any problems during your stay, please report them to the registration desk as soon as possible. The IOP conference team will make every effort to rectify the issue as soon as possible.

## Location map



## Sponsors

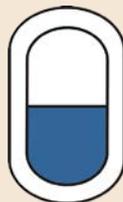
**COBHAM**



**CRYOGENIC**  
CRYOGENIC LIMITED



**ESAS**  
The European Society for  
Applied Superconductivity



British  
Cryogenics  
Council

**Institute of Physics**  
76 Portland Place, London W1B 1NT, UK  
Telephone: +44 (0)20 7470 4800  
[www.iop.org/conferences](http://www.iop.org/conferences)

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