

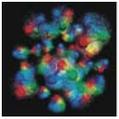
IOP Nuclear Physics
Conference

Conference Handbook

IOP Nuclear Physics Conference

<http://nuc10.iopconfs.org/>

19 - 21 April 2010
University of Edinburgh, UK



IOP Nuclear Physics Conference

Enquiries

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General organisation

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Registration Enquiries

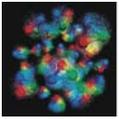
Conferences Department
The Institute of Physics
Tel: +44 (0)20 7470 4800
E-mail: conferences@iop.org

Sponsors



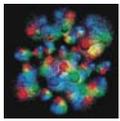
Disclaimer

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



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General Information

The IOP Nuclear Physics Conference will be held at the University of Edinburgh's newly landscaped and pedestrianised residential campus, Pollock Halls.

The University of Edinburgh
Pollock Halls
18 Holyrood Park Road
Edinburgh
EH16 5AY

The main hub of the conference will be located within the John McIntyre Centre (JMCC) and participants should go there on arrival to register and collect their conference material. Registration will be located in the foyer on the first floor – see page 5 for times.

Travel Information

Edinburgh has excellent transport links with the UK and with Europe. For additional travel information, visit the [Scottish Tourist Board web site](#).

By Train

Trains (GNER) from London Kings Cross leave every hour, with a journey time scheduled at slightly under 4.5 hours. GNER trains travel up the east coast line. The GNER web site is www.gner.co.uk, or telephone 08457 225 225 for tickets or 08457 484 950 for enquiries.

Virgin trains provide direct cross country services to many other cities in England. The Virgin trains web site is www.virgin.com/trains, or telephone 08707 891 234 or 08457 222 333.

For details on timetables, see www.networkrail.co.uk or telephone 08457 484 950.

Edinburgh's principal railway terminus is Waverly Station, less than 15 minutes walk from the University. A cab (a taxi rank is located inside the station next to Platform 11) to the University will cost around £4. Trains from the West Coast or from Glasgow will also stop at Haymarket station, at the west end of Princes Street.

By Coach/Bus

Coaches arrive in St Andrews Square located almost directly across Princes St from the Waverley Train Station. St Andrews Square is a 20 minute walk from the University.

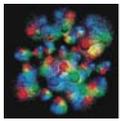
There are frequent services from London Victoria Bus Station to Edinburgh. Further information can be obtained from www.nationalexpress.com or telephone 08705 808 080.

Local bus service from Princes Street; 30 or 33.

By Air

Edinburgh Airport (0870 040 0007) has direct flights to most UK airports and to most European capitals. It is located about a 20 minute drive west of the city centre. A cab from the airport to the University should cost £15-£20, depending on the time of day. Lothian Region Transport operates a frequent Airline bus from the airport to Haymarket and Waverley train stations (£5 return fare).

Discount carriers [Easyjet](#) operate services between London Luton and Stansted airports and Edinburgh, along with services to other regional airports around the UK. [Flybe](#) operate services between Birmingham airports and



Edinburgh. Advance purchase fares can be as little as £35 return fare on these routes if booked well in advance. A similar fare is also available between Edinburgh and Dublin, and Belfast.

British Airways and British Midland fly between Edinburgh and London Heathrow (BA also has flights to London Gatwick). Advance purchase fares from these airlines are usually around £70 but are seldom available at peak flight times. British European flies between London City Airport and Edinburgh.

Parking

Parking at Pollock Halls is limited and is on a first come first served basis. Pollock Halls is located next to the Commonwealth Swimming Pool on 18 Holyrood Park Rd.

Conference Registration

Registration will be held in the foyer of the John McIntyre Conference Centre (first floor) for the duration of the event.

Registration times are as follows:-

| Date | Times |
|--------------------|---------------|
| Sunday 18 April | 16:00 – 18:00 |
| Monday 19 April | 08:00 – 17:30 |
| Tuesday 20 April | 08:30 – 17:30 |
| Wednesday 21 April | 08:30 – 15:00 |

On arrival, you will receive a welcome pack containing a book of abstracts with the programme, a list of registered participants and a lapel badge. Please wear your badge at all times as this will allow you entry to the conference sessions and help with security. It will also allow you to identify fellow delegates. Replacement badges can be issued at the registration desk.

Registration desk number: 07881 923 142

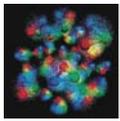
Location Overview

| | |
|-------------------------------------|---|
| Technical Sessions | Pentland East, Prestonfield Suite (JMCC), St Trinnean’s Suite (Leonards Hall) |
| Posters | Pentland West |
| Exhibition | Pentland West |
| Refreshments and Lunch | Pentland West |
| Drinks Reception, Sunday 18 April | Centro Bar Lounge (JMCC) |
| Evening Meal, Monday 19 April | South Hall |
| Conference Dinner, Tuesday 20 April | Dynamic Earth |

Facilities

Public telephones

Telephones are available in bedrooms at Salisbury Green Hotel and the Kenneth Mackenzie Suite. There are no public telephones in the JMCC or St. Leonard’s Hall.



IOP Nuclear Physics Conference

Cloakroom

Coat rails will be provided for delegates in the foyer of the JMCC and St. Leonard's Hall. Items are left at the owner's discretion. Boardroom 1 located on the 1st floor of the JMCC will be available throughout the conference to store luggage.

Campus and Bar Facilities

There is a cash point and shop within the John McIntyre Conference Centre. A Bar facility will be available during the conference (see below for opening times and locations):

| | | |
|------------------|---------------|--|
| Sunday 18 April | 18:00 – 23:00 | Centro Bar Lounge, 1 st floor, JMCC |
| Monday 19 April | 17:30 – 23:00 | South Hall |
| Tuesday 20 April | 22:00 – 23:00 | JMCC Bar, Ground Floor, JMCC |

Internet Access

Complimentary Wi-Fi internet access is available in the JMCC and St. Leonard's Hall. Participants should obtain a username and password from the registration desk. Internet access is also available in the Salisbury Green Hotel and Kenneth Mackenzie Suite and participants should purchase an internet card from their respective receptions.

Messages

A message board will be placed near the registration desk. Participants should check regularly for messages, as an attempt to locate participants during session times will only be made in case of emergency. During registration times, telephone 07881 923 142. Messages can also be sent by fax to +44 (0)131 662 9237; please quote 'IOP Nuclear Physics Conference'.

Accommodation

The following information is for those participants who booked accommodation at the Salisbury Green Hotel or Kenneth Mackenzie Suite. If you have made your own arrangements, please contact the hotel provider directly.

[Kenneth Mackenzie Suite](#)

7 Richmond Place
Edinburgh EH8 9ST

Hotel facilities:

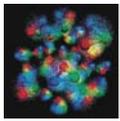
Each bedroom includes a private WC and shower, tea and coffee making facilities, colour television, desk, phone and wired internet access (see 'Internet Access' above). Rooms are serviced daily.

A full Scottish Breakfast or continental breakfast is served daily between 07:30 – 09:30 in the dining room. (A Scottish breakfast consists of black pudding, sausages, bacon, eggs etc)

Check in: 14:00

Check out: 11:00

Reception is available between 07:00 – 22:00; outside of these times the night security will be on duty. Wake up calls are available upon request. There is limited on street parking close to Kenneth Mackenzie Suite, subject to availability. Participants are therefore advised to park at Pollock Halls.



Salisbury Green Hotel

Pollock Halls
18 Holyrood Park Road
Edinburgh
EH16 5AY

Facilities:

Each bedroom includes en-suite WC and bath or shower (some rooms have both), tea and coffee making facilities, colour television including Freeview, ironing facilities, internet access (see 'Internet Access' above), In-room safe and hairdryers. Rooms are serviced daily.

Check in: 14:00
Check out: 11:00

Reception is available 24 hours a day, and wake up calls are available upon request. Parking at the Salisbury Green hotel is subject to availability.

A full Scottish or continental breakfast is served daily between 07:30 – 10:00 in the dining room. (A Scottish breakfast consists of black pudding, sausages, bacon, eggs etc)

Meals

Refreshments and Lunch

Refreshments and lunch will be served at set times during the conference programme in the Exhibition and Poster area (Pentland West, JMCC). Refer to the programme for exact times.

Evening Meals

Please see social programme on page 7 – 8

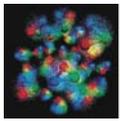
Dietary Requirements

Participants with special dietary requirements are asked to notify the conference office by e-mail prior to their arrival if 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. Nut Allergies – Unfortunately we cannot provide assurances that food has not been cross-contaminated with traces of nuts during ingredient processing at manufacture's sites, and during food preparation and on-site. For this reason, we are unable to provide guarantees that any of the food served is free from nuts or trace elements. Please email claire.garland@iop.org if you have any questions.

Social Programme

Reception, Sunday 18 April

A reception will be held in the Centro Bar Lounge, John McIntyre Centre from 18:00 – 19:30 for those registering on Sunday. Participants are able to obtain a free drink during this time on production of their badge (limited to soft drinks, house wine, single measures of spirits and draught beers). After 19:30 cash sales will be available.



An evening meal will not be provided on this evening however Edinburgh has many local restaurants and eateries and a list will be included within your welcome packs. Taxi's can be arranged for guests wishing to go into the town centre.

Exhibition and Poster Reception followed by Dinner, Monday 19 April

An informal drinks reception will be held in the Exhibition and Poster Area between 17:25 – 19:00. Poster presenters have been asked to be next to their board during this time to answer your questions. The drinks reception will be followed by an evening meal in South Hall, a short walk away, from 19:15. The evening meal is included within the registration fee however you must have confirmed your attendance when registering. Please see your confirmation email for a list of your bookings.

Conference Dinner, Tuesday 20 April

The Conference Dinner will be held at Dynamic Earth between 1900 – 2230 for those that booked their place when registering. Tickets will be included in your welcome packs.

[Dynamic Earth](#) is a five star visitor attraction with interactive exhibits including 'The Earthscape Galleries' telling the story of Planet Earth's evolution through time. During the pre-dinner reception, participants will have the opportunity to visit some of these attractions which include a rainforest and an ice berg. Dinner will be held in the Biosphere following the reception at 2000 where guests will be able to enjoy a three course dinner with wine. Coaches will depart from outside the John McIntyre Centre at 1845 and return at 2230 (coach company: Hunters Coaches Limited).

Exhibition

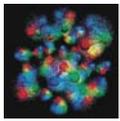
An exhibition will be held alongside the conference in the Pentland West theatre. The following five exhibitors have confirmed their participation:



Canberra UK Limited, 528.10 Unit 1, Harwell Science and Innovation Centre, Didcot, OX11 0DF

CANBERRA, an AREVA company, is the world's leading manufacturer of analytical instruments, systems and services for nuclear radiation detection, nuclear physics and x-ray elemental analysis. CANBERRA UK Limited is the UK agent for CAEN.

CAEN has more than 20 years' experience in supporting high energy and nuclear physics research world-wide. CAEN designs and manufactures power supply systems, data acquisition electronics, and VME and NIM crates.



IOP Nuclear Physics Conference



ETPS Limited

ETPS Limited, Unit 14, The Bridge, Chesterfield, S41 9FG

ETPS Ltd in partnership with Iseg provide a comprehensive range of High Voltage Power Supplies for research applications. Programmable outputs up to 80kVdc are possible. Common form factors such as NIM, CAMAC & VME are catered for along with modular, desktop and rackmounting options. Excellent stabilities and low ripple and noise feature throughout. The high precision models provide tight setting and measurement resolution into the pA range.

HAMAMATSU

PHOTON IS OUR BUSINESS

Hamamatsu Photonics UK Ltd, 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Herts AL7 1BW

Hamamatsu Photonics offers a variety of devices to meet the rigorous demands of Nuclear and Particle Physics, from the smallest (16mm) to the largest (20inch) PMT in the world, and the unique Flat Panel PMT with 256 channels.

Also, strip detectors, and the new Silicon Photomultiplier (MPPC) for HEP calorimeters.

IOP Publishing

IOP Publishing, Dirac House, Temple Back, Bristol BS1 6BE

IOP Publishing, a not for profit company wholly owned by the Institute of Physics, is one of the largest and most dynamic publishers of physics information in the world. Our publishing activity, which dates back to 1874, includes a wide range of journals, magazines and community websites.



Micron Semiconductor Limited, 1 Royal Buildings, Marlborough Road, Lancing, West Sussex, BN15 8SJ

UK based and owned SILICON DETECTOR manufacturer based in LANCING, West Sussex in the South of England. The company is equipped with 4 CLEAN ROOMS, has 3 in-house ION IMPLANTERS and operates in 3 ADJACENT FACTORIES Supplier of NUCLEAR PARTICLE DETECTORS ,the majority being custom DSSD designs to Major Experiments for PHYSICS LABORATORIES worldwide including USA,INDIA and CHINA.

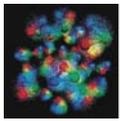
NASA and JAXA approved supplier for SPACE projects requiring a 1000 Detectors, mostly 1500um.

LHC-b VELO is installing P type silicon for 3x10.16 protons survival, some in the current 7 Tev run.

CERN's ISOLDE and ALPHA also extensively use MICRON's DSSD's as well as GANIL's FAZIA, HYDE, GASPARD with special off-axis NTD silicon.ITALY's large multi-ring CHIMERA also uses TIMING for PARTICLE IDENTIFICATION where silicon selection is critical for 100's of detectors, all being large wedge structures in 6 inch silicon technology.

Annular Quadrants and Ring and Sector DSSD;s a speciality from 20um to 1000um in thickness, all having LASER CUT profiled central holes.

Programme



The full programme can be found [on-line](#). A printed copy will be included within your welcome pack.

Presenters' Instructions

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

- Data projector
- PC / Laptop with PowerPoint facilities (Office 2007 and Windows XP)
- Laser pointer

Speakers wishing to use additional audio-visual equipment or intending to present from a Macintosh computer are asked to email claire.garland@iop.org before the conference.

Presentations

Speakers are requested to bring their presentations on a CD or USB memory stick and preload their file 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, and speakers should use a minimum 15-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 by session chairs.

Poster presentations

Posters will be on display from Monday 19 April to Wednesday 21 April in the Pentland West Room. A dedicated poster session will take place on Monday at 17:25 – 19:00. Authors should be next to their board during this session to discuss their work with other conference attendees.

Posters should fit within an area of 1200mm x 900mm in a landscape orientation. Velcro will be provided for delegates to fix their posters to their board.

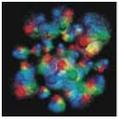
Posters can be displayed from 08:30 on Monday 19 April and must be removed by 15:30 on Wednesday 21 April. Although organisers will endeavour to save poster material, no guarantee can be made for posters not removed at the correct times.

Complaints

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

Safety Information

Emergency / Evacuation Procedures



IOP Nuclear Physics Conference

In the event of the fire alarm being activated, please vacate the building immediately and assemble at the designated points. Do not re-enter the building until permitted to do so by the Fire Brigade or Fire Assembly Controller. Please ensure all passageways and emergency exits are unobstructed.

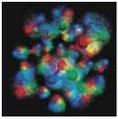
Note that a Fire alarm test is carried out every Wednesday at Pollock Halls. The alarm emits a high-pitched sound and you should only evacuate the building if the alarm sounds continuously.

First Aid

All areas display contact details for qualified First Aiders and Appointed Persons, either in the entrance foyer or close to the House Office. These notices also detail where to find the nearest First Aid Box; each building maintains at least one First Aid Box. To arrange First Aid assistance, contact Reception by dialing 22002.

Smoking

Smoking is strictly prohibited on the University of Edinburgh campus.



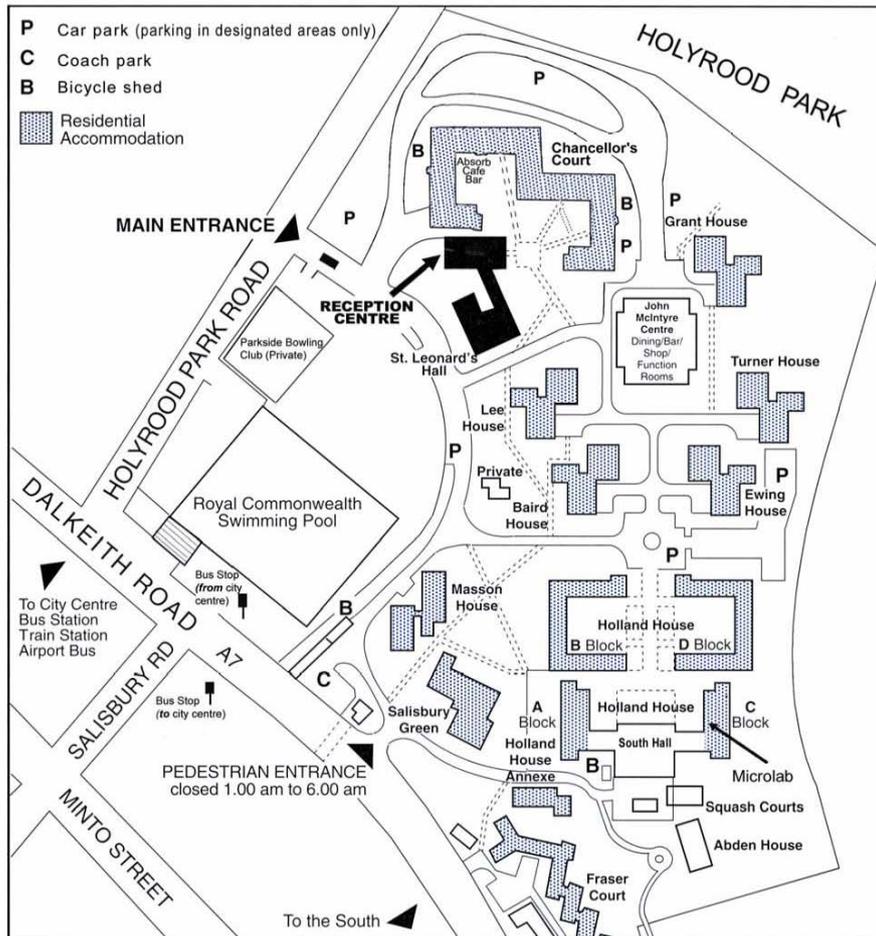
Location Maps

The University of Edinburgh

Accommodation Services
 Email: accommodation@ed.ac.uk
www.accom.ed.ac.uk

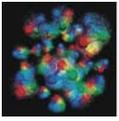
Edinburgh First
 Email: EdinburghFirst@ed.ac.uk
www.EdinburghFirst.com
 Phone: 0131 651 2189
 Fax: 0131 667 7271

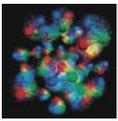
Pollock Halls of Residence



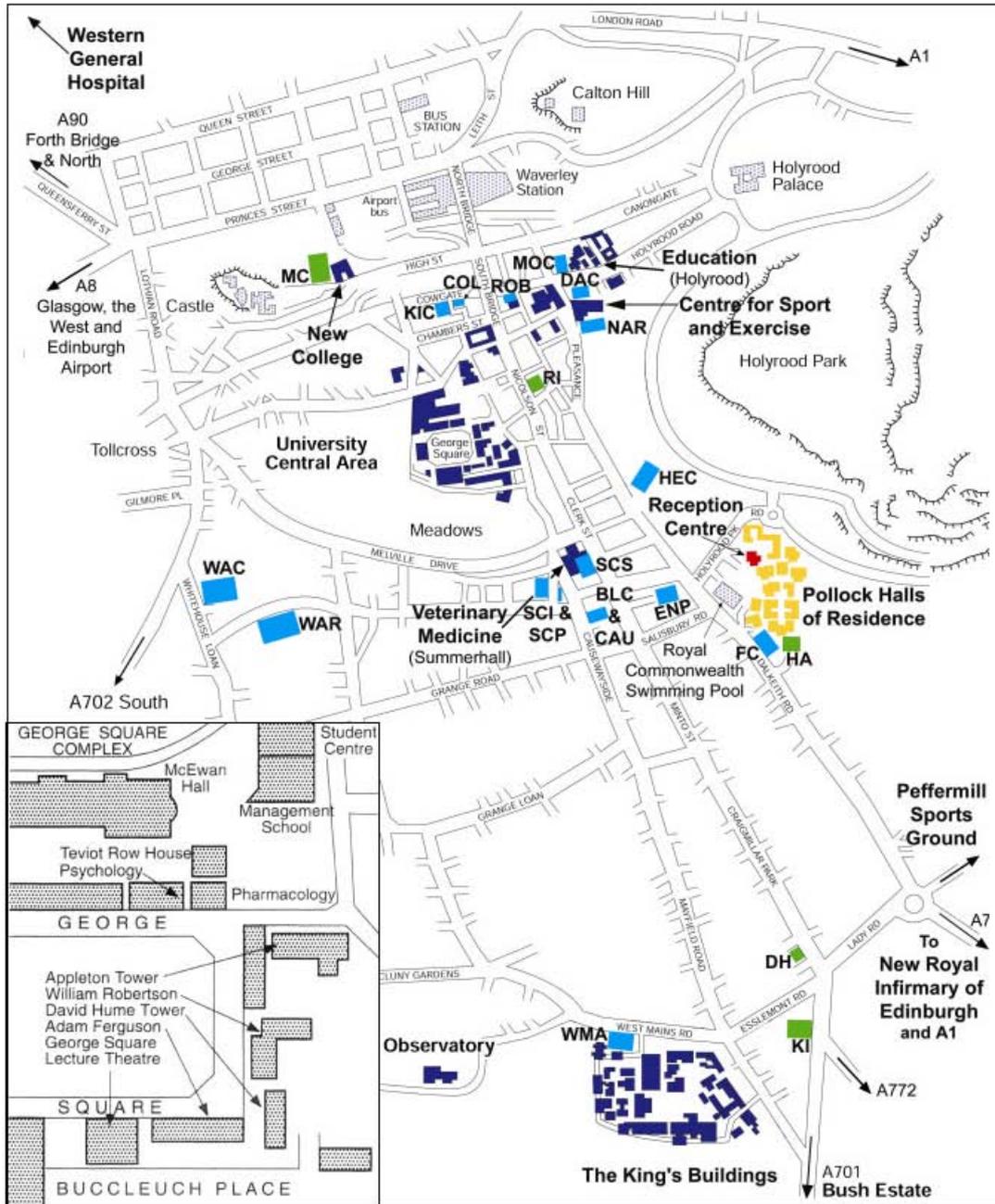
Useful phone numbers

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|--|--|
| <p>Visit Scotland: 0131 332 2433 City Cabs: 0131 228 6876 Lothian Buses info: 0131 555 6363 First Edinburgh bus info: 08708 72 72 71 Rail enquires: 08457 48 48 50</p> | <p>Edinburgh Airport: 0131 333 1000 British Airways (reservations): 08708 50 98 50 British Airways (flight info): 0870 55 111 55 British Midland Airways: 0870 60 70 555 KLM UK: 08705 074 074</p> |
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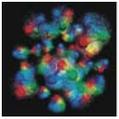




Pollock Halls and other University of Edinburgh accommodation locations



| Accommodation site codes | | | | | |
|--------------------------|-------------------------|------------|----------------------|------------|-------------------|
| DH | David Horn House | SCS | South Clerk Street | ROB | Robertson's Close |
| KI | Kitchener House | BLC | Blackwood Crescent | KIC | Kincaid's Court |
| MC | Mylne's Court | CAU | Causewayside | COL | College Wynd |
| RI | Richmond Place | ENP | East Newington Place | MOC | Morgan Court |
| WAR | Warrender Park Road | HEC | Hermit's Croft | | |
| WAC | Warrender Park Crescent | WMA | West Mains Road | | |
| SCI | Sciennes | DAC | Darroch Court | | |
| SCP | Sciennes Place | NAR | New Arthur Place | | |



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