



JEMS

2016 Glasgow, UK

8th Joint European Magnetic Symposia

21–26 August 2016

**SECC: Scottish Exhibition and
Conference Centre, Glasgow, UK**

www.jems2016.org

 #JEMS2016

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Contacts

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The Institute of Physics Conference team will be on-site for the duration of the event to assist participants with any enquiries and to support the overall running of the event. The conferences team will be located at the conference registration desk (see opening times on page 5) in Hall 1.

If you encounter any problems during the event, please report them to the registration desk as soon as possible. The conferences team will make every effort to rectify the issue as soon as possible.

Disclaimer

The Institute of Physics and the Scottish Exhibition and Conference Centre (SECC) accept no responsibility for any accident, loss or damage to participants or their property.

Sponsors

IOP Conference Series **IOP** | Institute of Physics **IOP** | Institute of Physics
Magnetism Group Materials and
Characterisation Group

Supportors



EUROPE & SCOTLAND
European Regional Development Fund
Investing in a Smart, Sustainable and Inclusive Future

Venue

The 8th Joint European Magnetism Symposia (JEMS 2016) will be held at the Scottish Exhibition and Conference Centre (SECC) from 21-26 August 2016.



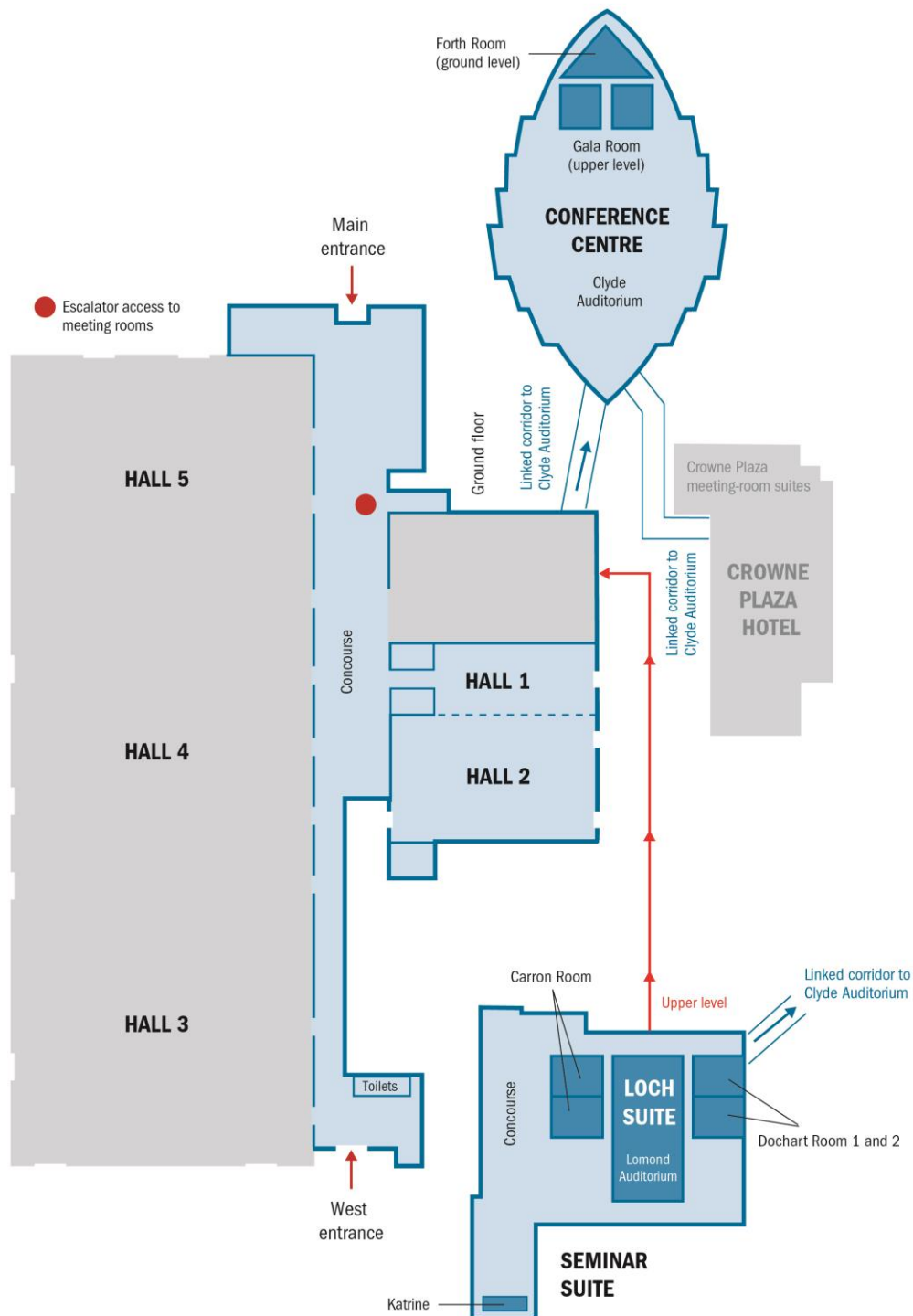
Scottish Exhibition and Conference Centre (SECC)
Exhibition Way
Glasgow
G3 8YW

Telephone: +44 (0)141 248 3000
<http://www.secc.co.uk>

Room overview

Plenary presentations	Clyde Auditorium
Semi-plenary presentations	Clyde Auditorium/Forth room
Parallel session 1	Clyde Auditorium
Parallel session 2	Forth Room
Parallel session 3	Carron room
Parallel sessions 4	Dochart room 1
Parallel session 5	Gala room
Registration, exhibition and posters	Halls 1 and 2
Speaker preview	Dochart room 2
Women in Physics networking event	Carron room
Plenary tutorials	Forth Room
Early Career Symposium	Carron Room
IAC meeting	Katrine room
ESM Steering committee	Katrine room

Venue plan



Registration

On arrival at the SECC, please go to Halls 1 and 2 to register and collect your welcome pack. The registration desk will be located close to the entrance of Hall 1.

Your welcome pack includes: a pen and pad, a copy of the conference brochure with programme and exhibitor information, an invoice (if applicable), a certificate and general conference information.

You will also receive a badge which you must wear at all times to help with security and to enable you to identify fellow participants. The badge also includes what catering you have booked and information on how to access the SECC's WiFi. On departure, please return your badge to the conference registration desk to be recycled.

The registration desk will be staffed by the IOP conferences team during the following times.

Sunday 21 August	16:00-19:00
Monday 22 August	07:30-19:00
Tuesday 23 August	08:00-20:00
Wednesday 24 August	08:00-18:30
Thursday 25 August	08:00-19:00
Friday 26 August	08:00-17:00

Notice board

A notice board will be located close to the registration desk in Hall 1. Participants wanting to display material on the notice board (other than messages) should speak to the registration desk.

Accommodation

Glasgow City Marketing Bureau is the official accommodation provider for JEMS 2016. For further information, visit the website at <http://jems2016.iopconfs.org/accommodation>

If you have not already secured your accommodation, please contact the convention bureau or try one of the following websites:

- www.lastminute.com
- www.booking.com
- www.expedia.co.uk

Programme

The conference programme is available to download from <http://jems2016.iopconfs.org/programme>. A printed copy of the programme will be included in your welcome pack.

WiFi

Free WiFi is available via the SECC network. Instructions on how to access the network will be included on the reverse of your badge.

Conference app

A JEMS app will be available to download prior to the conference. The app will include the programme, abstracts for all presentations, information on sponsor's and exhibitor details. The app will be available to download from Apple Store and Google Play prior to the conference.

Catering

The registration fee includes refreshments for the duration of the event and the welcome receptions on Sunday, Monday and Tuesday. Please refer to the table below for timings.

Lunches and the conference dinner are not included in the fee. Salad boxes (lunch) are available to pre-order at £10 per person per day and the conference dinner at £50 per person. For those that have booked lunches and the conference dinner, this will be included on the reverse of your badge. Tea and coffee, and soft drinks with pastries, biscuits or fruit will be provided during the lunch break.

A list of restaurants is appended at the back of this document.

Date	Event	Time	Location
Sunday 21 August	Reception	16:00-19:00	Halls 1 and 2
Monday 22 August	Refreshment break	10:50-11:20	Halls 1 and 2
	Refreshments and Lunch break	13:20-14:45	Halls 1 and 2
	Reception	16:45-19:00	Halls 1 and 2
	Civic reception	19:15-21:00	Glasgow Science Centre
Tuesday 23 August	Refreshment break	10:50-11:20	Halls 1 and 2
	Refreshments and Lunch break	13:20-14:45	Halls 1 and 2
	Refreshments and Whisky Reception	16:45-20:30	Halls 1 and 2
Wednesday 24 August	Refreshment break	10:20-10:50	Halls 1 and 2
	Refreshments and Lunch break	13:00-13:45	Halls 1 and 2
	Refreshments (for tutorials only)	16:00-16:30	Conference centre reception
	Reception (for tutorials only)	18:15-19:00	Conference centre reception
Thursday 25 August	Refreshment break	10:20-10:50	Halls 1 and 2
	Refreshments and Lunch break	13:00-14:45	Halls 1 and 2
	Refreshments	16:45-19:00	Halls 1 and 2
	Conference dinner	19:30-23:30	Old Fruitmarket
Friday 26 August	Refreshment break	10:20-10:50	Halls 1 and 2
	Refreshments and Lunch break	12:30-13:15	Halls 1 and 2

Participants with dietary requirements are asked to notify the conference office by email prior to their arrival. 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.

Social programme

Sunday 21 August

A welcome reception will be held in Halls 1 and 2 from 16:00-19:00; all participants are invited to attend.

Monday 22 August

An informal drinks reception will be held in Halls 1 and 2 from 16:45. This reception is for exhibitors and Posters in Session A. A civic reception will follow at the Glasgow Science Centre located a 5 minutes' walk from the SECC. The reception will be held from 19:15-21:00.

Glasgow Science Centre
50 Pacific Quay, Glasgow G51 1EA

Tuesday 23 August

A Whisky reception will take place alongside the exhibition and posters (Session B) in Halls 1 and 2. During the reception there will be an opportunity to sample three world-class malts. Souvenir Whisky glasses will be available to collect from each stand (glasses are limited). During the event one of Scotland's top folk bands 'North Sea Gas' will perform Celtic music. The reception will take place from 16:45-20:30.

Wednesday 24 August

A reception will be held in the reception area of the conference centre for those attending the tutorials. The reception will take place from 18:15-19:00.

Thursday 25 August

A reception will be held in Halls 1 and 2 for Poster Session C from 16:45-19:00.

The conference dinner will take place after the reception and will be held at the Old Fruitmarket (a concert hall and former market located on Candleriggs, in the Merchant City). Buses will depart from outside the SECC at 19:15.

Old Fruitmarket
Candleriggs
Glasgow G1 1NQ

The dinner consists of a drinks reception in the Promenade and Candleriggs Bar followed by a three course menu with wine, and Ceilidh. A Ceilidh is a traditional Gaelic gathering involving Gaelic folk music and dancing. The dress code for the dinner is smart casual.

Coaches will collect participants from the Old Fruitmarket at 22:30*, 23:00* and 23:30 and return to the SECC.

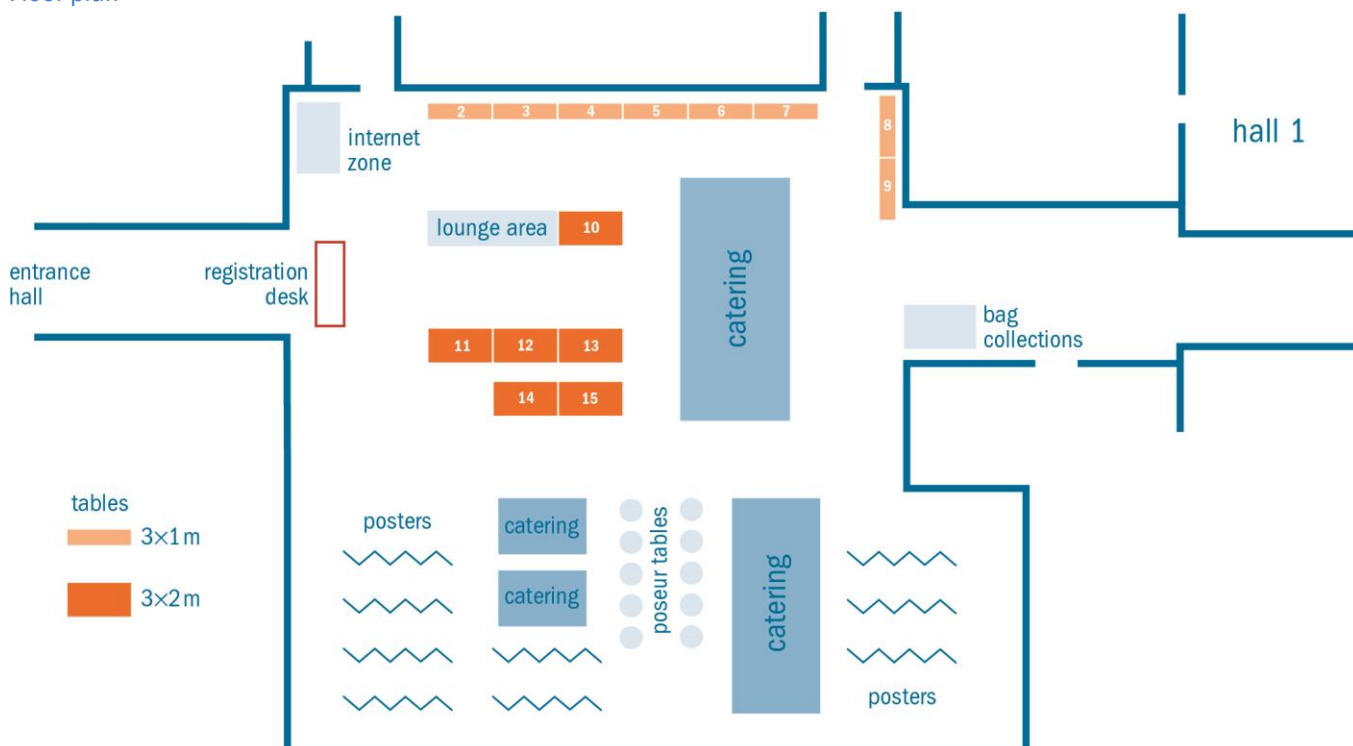
*One bus will go via Glasgow Central.

Exhibition

An exhibition will be held alongside the conference from Sunday 21 – Tuesday 23 August in Halls 1 and 2. The list of exhibitors is included below. We would encourage participants to visit the exhibitors to find out more about their products and services.

- Cryogenic Ltd (stand 9)
- Cryomech, Inc. (stand 10)
- ICE Oxford (stand 4)
- Institute of Physics (stand 12)
- IOP Publishing (stand 13)
- Lake Shore Cryotronics (stand 2)
- LOT-QuantumDesign Ltd (stand 15)
- Mantis Deposition Ltd (stand 5)
- Metrolab Technology SA (stand 3)
- NanoMagnetics Instruments Ltd (stand 14)
- Oxford Instruments Nanoscience (stand 7)
- Rohde & Schwarz UK Ltd (stand 6)
- The UK Magnetism Society (stand 11)

Floor plan



Information for presenters

Oral presentations

Speakers are requested to bring their presentation on a USB in .pdf or .ppt format and hand it to the venue technician based in speaker preview room no later than the break preceding your session. The technician will load, validate and distribute the presentation to the appropriate lecture theatre via the computer network. To optimise compatibility, particularly for the inclusion of multimedia components, speakers should include the original files so that it can be re-embedded if necessary.

The speaker preview room is located in Dochart Room 2. The speaker preview room will be available during the following times:

- Monday 07:30-17:30
- Tuesday 08:00-17:30
- Wednesday 08:00-13:00
- Thursday 08:00-17:30
- Friday 08:00-13:30

Speakers should arrive at the meeting room at least 10 minutes before the session commences to meet the chairperson. Technicians will be available in each lecture theatre to support speakers.

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

Direct connection of personal laptops (with set up in the break prior to the corresponding session) is an acceptable, but not preferred alternative, and must be agreed with the stage technician in advance. Mac users should ensure that they bring the correct connection cable (VGA) with them.

Poster presenters

Posters will be on display in Halls 1 and 2 with three dedicated poster sessions as scheduled in the programme (A, B and C). During poster sessions, presenting authors are asked to stand close to their boards to answer questions and facilitate discussions on their work.

Boards are 2340mm tall 946mm wide. Posters should therefore be prepared no **larger than A0 in size** (84.1 x 118.9 cm / 33.1 x 46.8 inches), in a **portrait format**. If your poster does not fit within these dimensions, we cannot guarantee it will be displayed. Fixing material will be supplied.

Please place posters on the poster board number that matches your allocated number in the poster programme. Posters should be mounted and removed at the following time:

- **Poster session A – Monday 22 August – 16:45 – 18:45**
Mounting time: from 16:00 Sunday afternoon – *must be mounted by 14:30 Monday*
Removing time: from 19:00 Monday Evening – *must be removed by 11:00 Tuesday**
- **Poster session B – Tuesday 23 August – 16:45 – 18:45**
Mounting time: from 13:00 Tuesday afternoon – *must be mounted by 14:30 Tuesday*
Removing time: from 20.30 Tuesday – *must be removed by 11:00 Wednesday**
- **Poster session C – Thursday 25 August 16:45 – 18:45**
Mounting time: from 09:00 Thursday morning– *must be mounted by 14.30 Thursday*
Removing time: from 19:00 Thursday – *must be removed by 19:30 on Thursday**

**Although we will endeavour to save poster material, no guarantee can be made for posters not removed by the correct time.*

Poster prizes will be awarded to the best student poster. All eligible posters will be noted with a colored dot on the poster number. Please speak to the registration desk if your poster is not entered into the competition but you believe you are eligible.

Travel

By air

Glasgow Airport is Scotland's long-haul gateway, with some 30 airlines serving around 90 destinations worldwide. The Airport is located just 8 miles from the heart of the city and serves as the principal gateway to the West of Scotland. Glasgow Airport connects the city to key locations around the UK, including over 30 flights per day linking London to Glasgow. Airlinks with major scheduled carriers such as Lufthansa and KLM plus United Airlines' daily service from New York to Glasgow opens up the European and transatlantic gateways. The twice daily service by Emirates links over 100 destinations in Asia, Africa and Australasia to Glasgow.

For information on Glasgow Prestwick and Edinburgh Airports, visit <http://jems2016.iopconfs.org/travel>

To get to the SECC from the airport, please take a taxi direct to the venue or a bus to Glasgow Central. From Glasgow Central you can get a train to the SECC's dedicated station 'Exhibition Centre' (see by rail).

By train

Glasgow has the largest rail network in the UK outside London. Glasgow's Central station is connected with every

city in the UK, while [Queen Street station](#) serves central and northern Scotland. For the best route to the SECC download this [map](#)

The SECC has its own dedicated railway station 'Exhibition Centre station' allowing easy access from the city centre and the suburbs. There are six trains an hour, operating around every 10 minutes from Central station (Platform 17) with a journey time of just three minutes. Click [here](#) to download the latest timetable, a train app and book tickets. For more information contact [National Rail Enquiries](#) (tel: +44 (0)8457 484950).

Participants can request a Rover Pass from the conference registration desk or by email to claire.garland@iop.org. This pass offers 5 days unlimited travel within the conference zone (see below). Passes are limited and offered on a first-come, first-served basis.



By car

Scotland has an extensive motorway road network. Glasgow is linked to Edinburgh with the M8, England on the M74, Stirling with the M80 and the West Coast of Scotland with the M77.

You can plan your route online using one of the free route planners - examples are [The AA](#) or [The RAC](#). Click [here](#) to download a printable road map.

Parking

Parking at the SECC is in a multi-storey car park operated by City Parking (Glasgow) LLP. This facility is located at 10 Stobcross Road, Glasgow, G3 8YW. A map and directional information is available [here](#).

Payment can be made in advance when purchasing tickets from www.ticketSOUP.com, but on-site pay machines are located at level 2 (walkway level) and ground floor main foyer of the car park. Payment can be made by cash or credit/debit card. Tariff Rates in the MSCP Monday to Sunday are:

1 hour £3.50
2-12 hours £7.00
13 hours £10.50
14-24 Hours £14.00

Visitors can either pre-pay after arrival or pay before exiting. The MSCP has a height restriction of 1.9m. Drivers with vehicles over 1.9m should report to the SECC Gatehouse (at the West of the SECC campus) in the first instance and you will be directed to an available space.

Taxis

Glasgow Taxis operate 5-seater "black cabs" in and around the city. If their yellow light is on, they can be flagged down on the street, or alternatively call +44 (0) 141 429 70 70 to book. From the airport, Glasgow Airport Taxis are located immediately outside the terminal building.

Information on discounted travel by taxi can be found [online](#).

Local information

Dress code

The dress code for the conference is smart casual.

Cloakroom

The cloakroom is located on the main concourse and will be open during the event. Items can be left at the cloakroom for a fee of £2 per item, per day. Please note that items cannot be left overnight. On Friday, the cloakroom will be provided free of charge.

ATM (cash) machines

There are several cash machines located on the concourse. Participants are encouraged to use the Clydebank ATM machines to avoid charges.

Post Box

A Royal Mail post box is located externally, in front of the Clyde Auditorium. UK stamps are available from the shop and international stamps are normally available from the Information & Business Centre, both situated on the main concourse.

Information and business centre

There is a well-equipped information and business centre for visitors at the SECC. Available services include:

- Photocopying
- Printing
- Scanning
- Faxing
- Gift shop

Baby changing facilities

There are two baby changing rooms at the SECC, one is on the main concourse adjacent to the ladies toilets and the other is at the west end of the venue next to the toilets.

Prayer room

There is no specific Prayer room at the SECC, but the Medical Centre can offer visitors a quiet room to use (subject to availability).

Shop

McColls, situated on the main concourse, sells a wide range of products including newspapers and magazines, snack, toiletries, stamps and mobile phone top-ups.

Vending machines

Drink vending machines are available at various locations throughout the SECC.

General information

- Britain's currency is the pound sterling (£) - see www.xe.com for currency converters.
- Scottish banks issue their own notes with exactly the same value as those issued by the Bank of England and they are legal tender in all parts of mainland UK.
- 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.
- Time Zone: Glasgow's time zone is Greenwich Mean Time (GMT) or one hour ahead of GMT, known as British Summer Time (BST), during the summer months.
- Driving in Glasgow: Driving is on the left hand side of the road. To drive in Scotland, you must have a valid driving licence. A foreign licence is valid in the UK for up to 12 months. It is compulsory to wear seat belts in the front seat and if your car has seat belts in the back, they must also be worn.
- Tipping: There are no hard and fast rules for tipping in Glasgow. If you are happy with the service, a 10-15% tip is customary, particularly in restaurants or cafés. Tipping in bars is not expected. For taxi fares, it's usual to round up to the nearest pound (£).
- 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
- The UK country code is 44, while Glasgow landlines start with a 141 area code, followed by a 7 digit number. To call abroad, dial 00 before the area code.
- 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.

Health and safety

First aid

If you fall ill or injure yourself during the conference, please report the incident to a member of staff or visit the Medical Office located in the East end of the Concourse, adjacent to the Information Desk. If medical assistance is required, the Nurse/ First Aider should be contacted immediately using at extension 333 or via the Control Room at extension 444.

Participants with pre-existing medical conditions who may require assistance should make themselves known to the conference registration desk.

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.

Safety and emergency evacuation procedures

In the unlikely event of a fire, SECC has a comprehensive fire detection system which is complemented by sprinkler protection. In the Exhibition Halls fire hose reels are installed at various locations below prominent signs. Alarm points are located at or near fire exits and vehicle doors. The automatic alarm is activated if the smoke or heat detectors come into operation or if any fire hose reels are used. The fire alarm takes the form of a pre-recorded announcement over the Public Address System, the text of this message is:

"Attention please, Attention please. An emergency situation has arisen within the centre. Please leave the building by the nearest available exit, do not use the lifts".

If you discover a fire:

1. Break the glass on the nearest manual call point.
2. Telephone the Security Control (extension 444), giving the location of the fire, or inform a member of SECC staff in the Hall.
3. Advise other persons in the vicinity of the emergency.
4. Do not attempt to extinguish the fire unless it is safe to do so and you are competent to use a fire extinguisher.
5. As soon as the instruction to evacuate the Centre is broadcast, you must leave the premises by the nearest available exit. Follow the directions from Stewards moving to and remaining at Fire Assembly areas near the East or West entrance.
6. You must not attempt to return to the Centre until the Senior Officer in charge of the fire brigade detachment says that it is safe to do so.

Fire extinguishers

Exhibitors using, exhibiting or storing hazardous substances, objects or processes should provide the appropriate extinguishers for their stand.

Smoking

In accordance with government legislation smoking is not permitted in any building, temporary enclosed structure or substantially enclosed space outside of buildings.

Payment

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

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

Committee list

Organising committee

Robert Stamps (Chair)
Stephen Lee (Chair)

Local committee

Donald MacLaren
Stephen McVitie
Damien McGrouther

Executive committee

Franca Albertini
Stephen Lee
Robert Stamps
Tom Thomson

Programme committee

Franca Albertini (Chair)
Johan Åkerman
Alina Deac
Paolo Freitas
Olivier Fruchart
Oliver Gutfleisch
Rob Hicken
Ricardo Ibarra

UK advisory committee

Dan Allwood (Sheffield)
Mark Blamire (Cambridge)
Steve Blundell (Oxford)
Robert Bowman (Queens)
Russell Cowburn (Cambridge)
Hans Fangohr (Southampton)
Steve Hayden (Bristol)
Robert Hicken (Exeter)
Bryan Hickey (Leeds)
Astufumi Hiroato (York)
Sean Langridge (Rutherford)
Martin Lees (Warwick)
Chris Marrows (Leeds)
Stephen McVitie (Glasgow)
Chris Stock (Edinburgh)
Tom Thomson (Manchester)
Steven Turner (NPL)

Restaurant list

Name	Address	Cuisine	Distance (miles)
La Rotunda	28 Tunnel Street North Rotunda, G3 8HL	Italian	0.1
Yen at the Rotunda	28 Tunnel Street North Rotunda, G3 8HL	Chinese, Japanese, Asian, Thai	0.1
Crown Plaza Glasgow	1 Congress Road, G3 8QT	British, Scottish	0.1
India Quay	181 Finnieston Street, G3 8HE	Indian, Balti, Asian, Halal	0.2
Verve Grill	7 Festival Gate Village Hotel, Pacific Quay, G51 1DB	American, British, Grill, Healthy, Scottish, Central European	0.3
The Hidden Lane Tearoom	1103 Argyle Street Unit 8, The Hidden Lane, G3 8ND	Cafe, British, Scottish	0.3
Fanny Trollope's	1066 Argyle Street, G3 8LY	European, British, Scottish	0.4
The Gannet	1155 Argyle Street, G3 8TB	European, British, Scottish, Gluten Free	0.4
Tarantino Ristorante	914 Sauchiehall Street, G3 7TF	Italian, Mediterranean, Gluten Free	0.4
Ox and Finch	920 Sauchiehall Street, G3 7TF	Scottish, European, Gluten Free, Contemporary	0.4
Bukharah	923 Sauchiehall Street, G3 7TQ	Indian, Asian, Balti, Gluten Free, Halal	0.4
Sisters Restaurant - Kelvingrove	36 Kelvingrove Street, G3 7RZ	European, British, Scottish, Gluten Free	0.4
Crabshakk	1114 Argyle Street, G3 8TD	Seafood, British, Soups, Scottish	0.4
Porter & Rye	1131 Argyle Street Finnieston, G3 8ND	Steakhouse, British, Scottish, European, Contemporary	0.4
Mother India	28 Westminster Terrace Sauchiehall Street G3 7RU	Indian, Asian	0.4
The Ben Nevis	1147 Argyle Street, G3 8TB	Pub	0.4
Pickled Ginger Finnieston	512 St. Vincent Street, G3 8XZ	Japanese, Sushi, Asian	0.4
Two Fat Ladies at the Buttery	652 Argyle Street, G3 8UF	European, British, Vegetarian, Scottish, Gluten Free	0.5
Cubatas Tapas Bar & Restaurant	108 Elderslie Street, G3 7AR	Mediterranean, Spanish, Gluten Free	0.5
Athena Greek Taverna	141 Elderslie Street, G3 7AW	Mediterranean, Greek	0.6

SECC site plan



Institute of Physics
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Telephone: +44 (0)20 7470 4800
www.iop.org/conferences

Registered Charity Number: 293851