

Physical Aspects of Polymer Science 2017

13–15 September 2017
Swansea University, Bay Campus,
Swansea, UK

Organised by the IOP Polymer Physics Group

<http://paps17.iopconfs.org>



Contents

Contacts.....	2
Disclaimer	2
Sponsors	3
Committee.....	3
Venue.....	4
Maps.....	4
Travel	6
Accommodation	7
Luggage Storage.....	7
Programme.....	8
Conference Sessions	8
Registration.....	8
Catering.....	8
Social programme	9
Conference Dinner.....	9
Invited Speakers and Prizes.....	10
Oral presentations.....	10
Format and Technical Requirements.....	10
Posters	11
Poster awards.....	11
Tourist information	11
Useful local information	13



Contacts

Please read this handbook prior to the event as it includes all of the information you will need while onsite at the congress. If you do have any questions or require further information, please contact a member of the IOP team.

The IOP team will be onsite for the duration of the event (see registration times) to answer any questions and to support the overall running of the congress.

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Silver sponsor



Committee

Chair

- Dr Anthony Higgins, Swansea University

Scientific Programme Committee

- Dr James Elliott, University of Cambridge
- Professor Joseph Keddie, University of Surrey
- Dr Michael Ries, University of Leeds
- Dr Ann Terry, STFC



Venue

The Physical Aspects of Polymer Science 2017 conference will be held on Bay Campus at Swansea University. For information about the venue, visit their website at www.swansea.ac.uk/campus-development/baycampus/

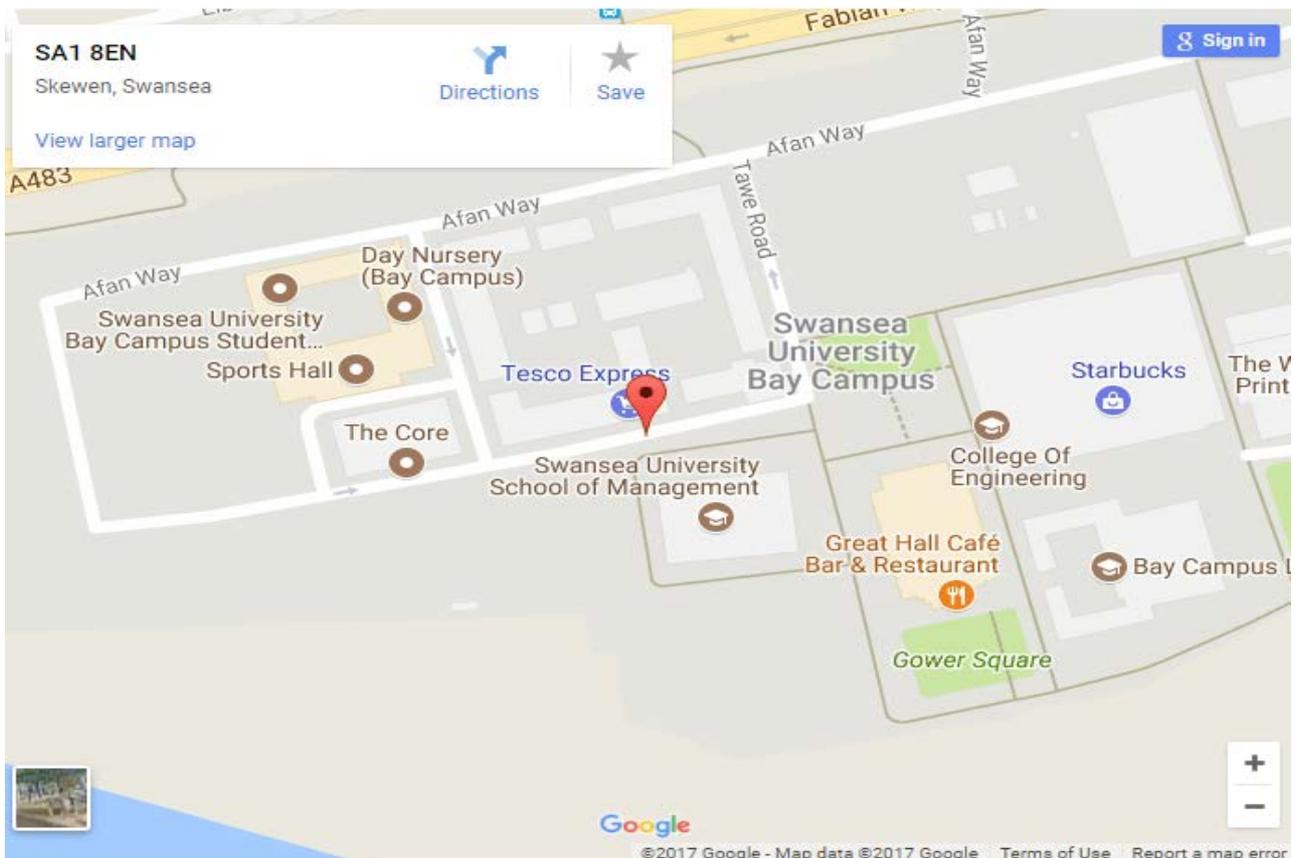


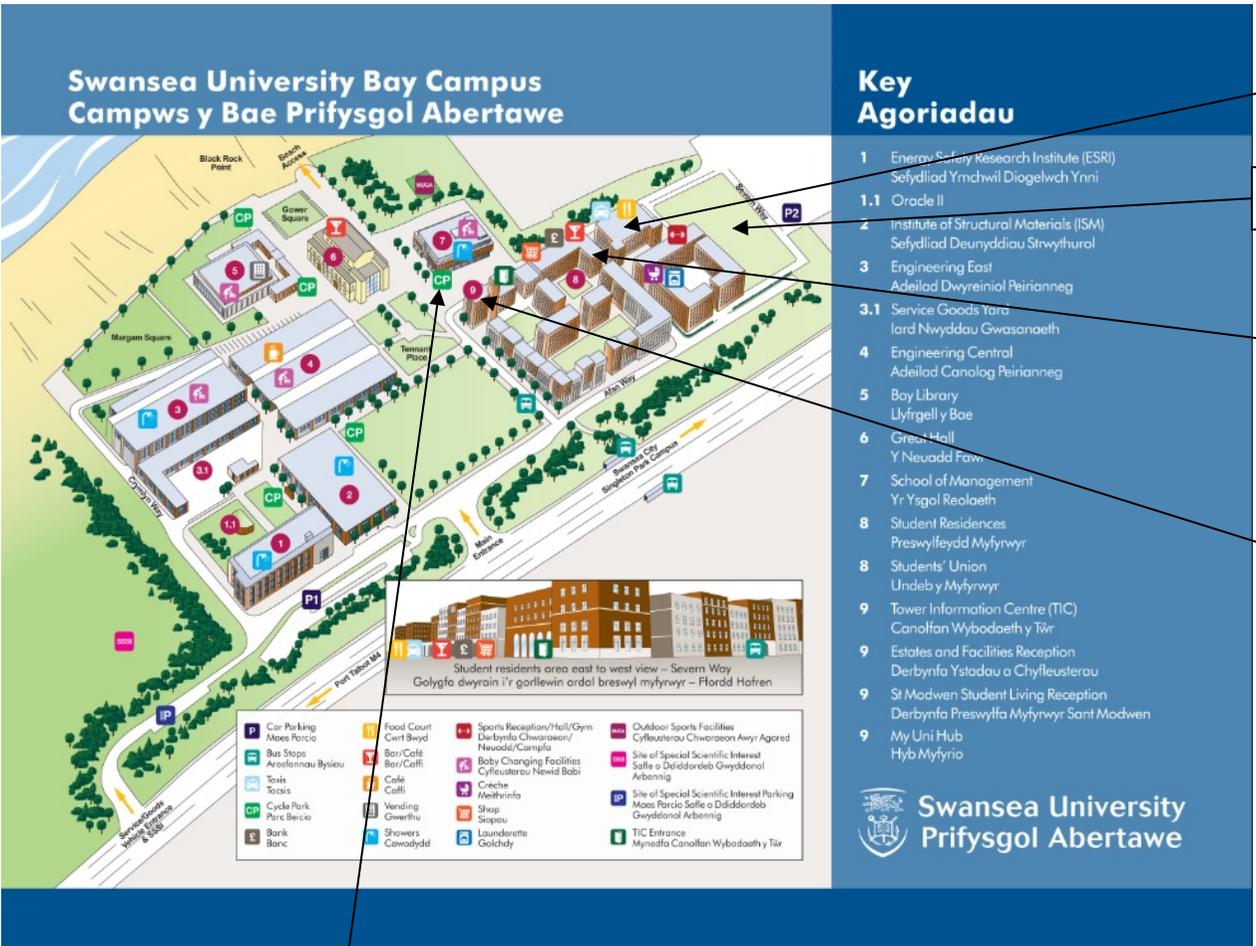
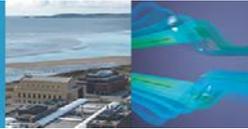
Swansea University

Bay Campus
Fabian Way
Crymlyn Burrows
Swansea
SA1 8EN
Wales, UK

Telephone: +44 (0)1792 205678

Maps





The Core- dining area
Breakfast: for residential
guests

Car Park Residential guests (Map ref. P2)

Cadell residences

Tower Information Centre (TIC) (Map ref.9)
St Modwen Reception Desk (check in)

School of Management
(Map ref. 7)
Foyer : Registration
SOM010: Main Plenary
SOM011: Poster Session
Atrium: Catering Space



Travel

Swansea University's Bay Campus is situated on a 65 acre former BP Transit site in Neath Port Talbot on the eastern approach into Swansea.

A location map for Swansea University, Bay Campus can be found online at www.swansea.ac.uk/campus-development/baycampus/map/



By air - from airports

- **Cardiff Airport** - located 35 miles from Swansea and offers a range of international services. From Cardiff, there is an hourly rail service to Swansea.
- **Bristol Airport** - there are hourly trains to Swansea from Bristol Meads train station. National Express operates a coach service from Swansea Bus Station to Bristol airport terminals.
- **London Heathrow** - there is a direct coach service to Swansea or to Reading railway station which connects with inter-city services
- **London Gatwick** - there is a direct coach service to Swansea (this must be pre-booked) or take a train to Reading for connections to Swansea



By train

There is a frequent train service from London, journey time on average is 3 hours. The main inter-city services offer connections to Swansea, from Cardiff, Bristol, Birmingham and London. For information contact National Rail Enquiries (tel: +44 (0)8457 484950).



By coach / Bus

National Express coach journeys terminate at the Quadrant Bus Station in Swansea. The No.8 and No.10 bus service runs from the bus station to the campus (3.1 miles). There is a Park and Ride facility located at Fabian Way, Swansea which is a short distance from the Bay Campus.

Bus Service runs past Swansea Train Station - transfer time to the University is around 20 minutes and costs around £4 (single journey).

If you want to catch the bus please see link to travel information:

Journey planner: <http://myunijourney.traveline.cymru/swansea-university/>

If do not have any cash to hand, you may purchase your bus ticket on the app at First Cymru

<https://itunes.apple.com/GB/app/id823542336?mt=8>



By car

For visitors using Satellite Navigation, the post code is SA1 8EN. If approaching from the east, exit the M4 at junction 42 (signposted Swansea A483) where the slip road will bring you onto Fabian Way. At the first roundabout (after 1.1 miles) go straight on (second exit - first exit is a no through road) Continuing west.

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



Parking at Swansea University Bay Campus

Parking on Swansea University Bay Campus is restricted. Residential guests can park but must fill in a parking registration form during check in to avoid a penalty notice being issued. Non-residential guests should park on the off-campus Car Parks. Parking in unauthorised areas will result in a penalty notice being issued.



Taxis



There is a taxi rank outside Swansea Train Station – transfer time to the University is around 10 minutes and costs around £8 (single journey).

If you require any assistance planning your journey, please e-mail conferences@iop.org stating where you are travelling from and your preferred method.

Accommodation

All residential guests have been located rooms in Cadell (Map ref. 13). Please see link below for map of the residences. <http://www.swansea.ac.uk/media/Bay%20Campus%20Residences%20Map.pdf>

All rooms are single en-suite. You will be provided with bed linen, 2 towels (1 bath & 1 hand towel), mini toiletries (shampoo, conditioner & soap) and a hospitality tray (kettle, coffee & tea). The bedrooms do not have televisions, hairdryers or irons.

Breakfast for residential delegates only will be served in The Core (dining hall) between 07:30 to 09:00.

Arrival:

Check-in is from 14:00 on day of arrival.

On arrival residential participants may collect their bedroom keys from St Modwens accommodation desk in the Tower and information center, the building with the clock tower. Security will be present for late check in.

Departure:

All bedrooms must be fully vacated by 10:00 on day of departure. All bedroom keys must be returned to St Modwens Reception desk. Keys which are not returned will incur a penalty cost.

Complimentary Use of Sports Facilities

All residential conference participants are entitled to free use of the Swansea University Sports Centre *Uni-Gym* facilities. Please show your conference badge and room key as identification, at the Sports Centre Reception Desk.

Proof of appropriate induction is also required.

Luggage Storage

Luggage storage is available in the School of Management (room SOM102 map ref.7) Luggage can be left at the owner's risk. Luggage storage will be available in the Great Hall on Friday (room GH011 map ref.6).



Programme

The full programme can be found online at <http://paps17.iopconfs.org/programme2>. You should check the online programme for updates.

Conference Sessions

Conference sessions will be held in the School of Management in SOM 010 (map ref. 7).

Registration

Registration will be held in the School of Management Atrium (map ref. 7) at the times listed below. On arrival at the conference, all participants will receive a registration pack which includes a copy of the programme, a pen, a pad and a conference badge. The abstract booklet which is available to download from the conference website is in digital format only.

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.

Wednesday 13 September 2017	12:00 – 18:00
Thursday 14 September 2017	08:30 – 18:00
Friday 15 September 2017	08:30 – 13:30

Catering

The registration fee includes refreshments for the duration of the event; lunches on Wednesday, Thursday and Friday, access to the drinks reception and the conference dinner, and all event material.

Refreshments and lunch for all delegates will be served on each day of the conference in the Atrium (map. Ref. 7).

Date	Event	Time
Wednesday 13 September	Lunch	12:30 – 13:55
	Refreshment break	15:25 – 16:00
	Refreshments and Poster Session	17:45 – 19:30
	Dinner - The Core	19:30 onwards
Thursday 14 September	Refreshment break	11:05 – 11:30
	Lunch - The Core	13:15 – 14:15
	Refreshments and Poster Session	15:35 – 16:05
	Drinks reception at George Hall	19:00 – 19:30
	Conference dinner at George Hall	19:30 – 22:30
Friday 15 September	Refreshment break	10:45 – 11:10
	Packed lunch	13:30

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

A list of local restaurants can be found [here](#).



Social programme

Poster Session

An informal drinks reception and poster session will be held in the Atrium on Wednesday 13 September from 17:45-19:30. All participants are invited to attend.

Dinner

On the Wednesday night, those staying onsite will be meeting for dinner at The Core, which should have been pre-booked during registration. Dinner will be served at 19:30.

Those who are staying off-site are welcome to join the dinner, but must pre-book. For more information, email conferences@iop.org.

Conference Dinner

The conference dinner will take place at The Brangwyn Hall at the Guildhall in Swansea on Thursday 14 September. Coaches will depart from outside The Core at 18:20 and return at approximately 23:00.

The Brangwyn Hall is located in Swansea, only a short stroll from Swansea Bay's sandy beach. It is renowned as a major concert hall and conference centre.

Brangwyn Hall
The Guildhall
Swansea
SA1 4PE

Internet Access

The University is pleased to offer delegates access to a wireless network during their stay from most wireless enabled devices.

Internet access for those with access to Eduroam:

The JANET Roaming Service is designed to provide roaming network access between participant sites in the UK education and research sectors for staff and students. Swansea University is a participating member of the JANET Roaming Service and so allows visitors from participating institutions to use our Eduroam wireless network.

Visitors from fellow participating institutions need to have configured their device for wireless use at their home institution before bringing it to Swansea- if this has been done, then they can connect to Swansea wireless with no further configuration or registration necessary. Note that support for Eduroam should be provided by their home institution's IT staff. More details on the Janet Roaming Service can be found here:

www.ja.net/services/authentication-and-authorisation/janet-roaming.html

Internet access for those not able to access Eduroam:

For those who aren't visiting us from an Eduroam institution, we can offer straight forward access to a wireless network from most wireless enabled devices- information regarding this will be disseminated on arrival for the event.



Invited Speakers and Prizes

Tatiana Budtova (MINES, ParisTech, France)

Title: Bio-aerogels

Nigel Clarke (University of Sheffield, UK)

Title: Fundamental polymer physics in nanocomposites

Rumiana Dimova (Max Planck Institute of Colloids and Interfaces, Potsdam, Germany)

Title: Membrane wetting, budding and tubulation in vesicles exposed to aqueous two-phase systems

Andreas Walther (Freiburg University, Germany)

Title: Adaptive and autonomous bioinspired self-assembled material systems

Founders' Prize Lecture

Mark Warner (Cavendish Laboratory, University of Cambridge, UK)

Title: Responsive polymers in the solid state

Ian Macmillan Ward Prize Lecture (Best Student Paper)

Charalampos Pappas (University of Groningen, The Netherlands)

Title: Dynamic peptide libraries for the discovery of supramolecular nanomaterials

APS-DPOLY Exchange Lecture

Michael Hore (Case Western Reserve University, USA)

Title: Investigations of Star, Cyclic, and Concatenated Polymers with Neutron Scattering

Presenter guidelines

Oral presentations

Conference sessions will be held in the School of Management in SOM 010. You should arrive 10 minutes before your presentation to meet the session chairperson and the stage manager where applicable.

Instructions for Speakers

- Please bring the computer file of your PowerPoint or Apple Keynote presentation (on USB stick or CD).
- Your presentation will be uploaded to the PC by the lecturer. A list of presentations will be displayed on the desktop screen, simply click on your name to start your presentation.
- Click the mouse or press the arrow keys to advance slides as normal

Format and Technical Requirements

- Presentations created in PowerPoint for PC, Power point for Mac and Apple Keynote format will be accepted:
- PowerPoint 2010 updated with the latest patches
- PowerPoint 2013 updated with the latest patches
- PowerPoint 2016 updated with the latest patches
- For presentations created in MS Office for Mac PowerPoint 2010, be sure to add the extension ppt at the end of your file (for example - mypresentation.ppt).
- To avoid potential problems with display fonts, please only use fonts common to both platforms (Arial, Courier, Courier New, Geneva, Georgia, Helvetica, Times, Times New Roman).
- For images in your presentations, it is preferable that the images are in jpg format. The image resolution must not exceed 1920 x 1080 pixels (width by height).



- Please ensure your presentation is using a 16:9 aspect ratio to fill the projection screens.
- If you have embedded video files to your presentation, they must be any of the following formats mpg, mpeg, wmv avi or QuickTime (mov)
- Do not forget to upload any video files separately in addition to your PowerPoint presentation.

Posters

Posters will be on display at The School of Management Atrium with dedicated poster sessions as scheduled in the programme.

The poster session will run for the duration of the conference: Wednesday from 17:45 – dismount by Friday 13:30. Please note that during poster sessions, authors should stand close to their boards to answer questions and facilitate discussions on their work. If you are presenting a poster please ensure that you display your poster on the board number that matches your poster number in the programme.

Posters must be no larger than A0 in size (118.9 x 841 mm / 46.8 x 33.1 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. Information on your individual poster session will be made available soon.

Poster awards

Alexei Likhtman Poster Prize

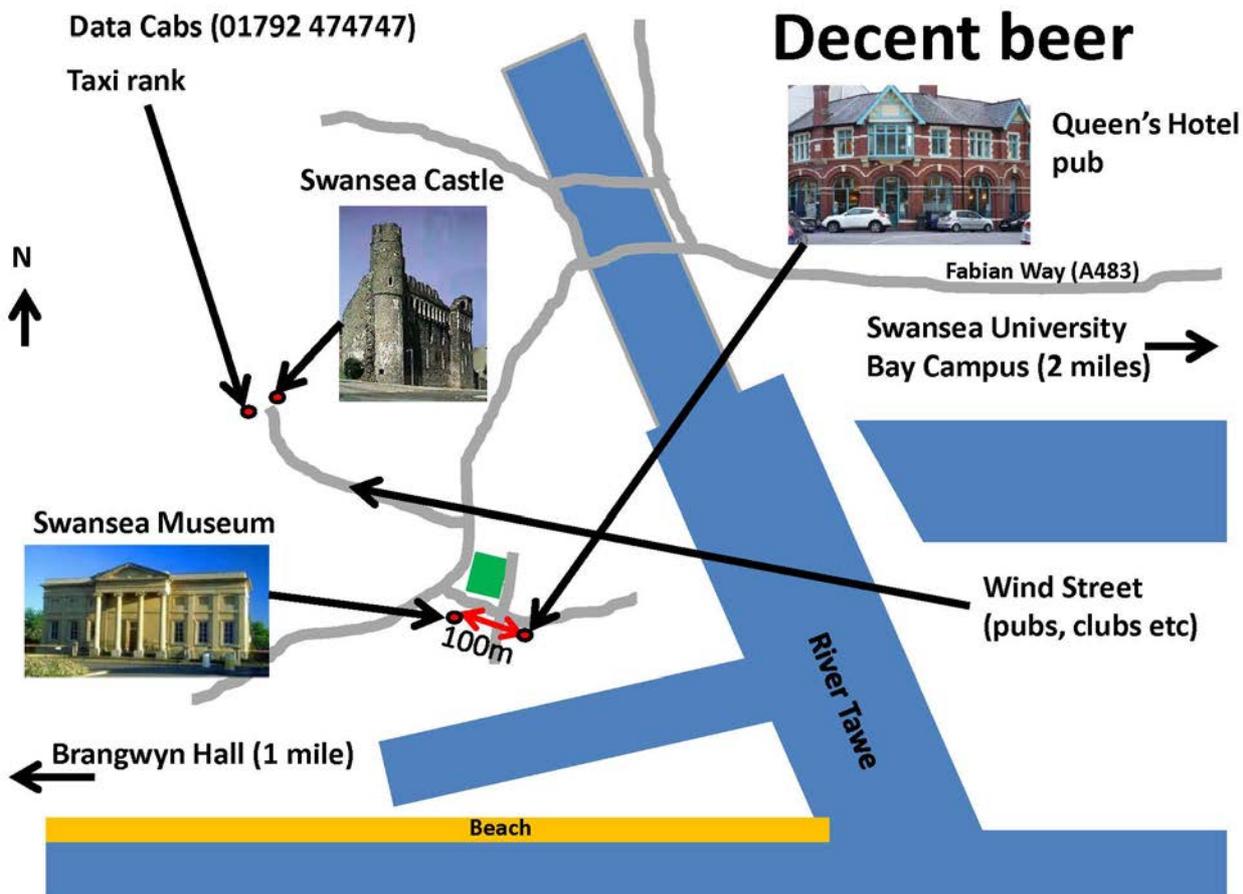
Early Career Researchers (ECRs) who present a poster at the meeting are eligible for the Alexei Likhtman poster prize. The winner will receive £150 and there are two runner-up prizes of £75. An ECR may be an undergraduate or postgraduate student, or a researcher who has been awarded a PhD degree within the five years preceding the date of the meeting.

Tourist information

Swansea sits on the sandy 5 mile stretch of Swansea Bay beach and is a great base for exploring the best of South-West Wales. The City Centre is a vibrant hub with over 230 shops and a fabulous market that's home to all sorts of local delicacies.

There are loads of places to visit including the Dylan Thomas Centre, Swansea Museum and the National Waterfront Museum to name but a few.

To obtain further information about Swansea www.visitswanseabay.com/destinations/swansea/





Useful 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 Swansea, Wales
- **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.
- **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.
- **Telephone** - If you're visiting the Swansea University 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 Swansea 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. 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
- **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.

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