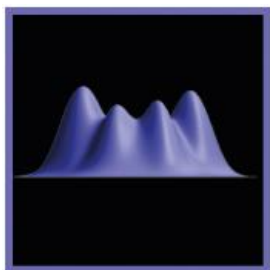


Theory meets experiment: molecular nanoscience and applications

1–3 June 2015

University College London, London, UK

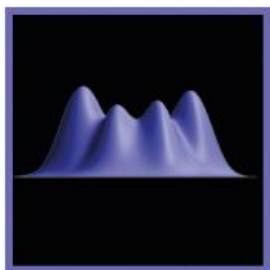
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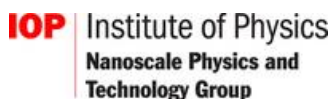
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Contacts

Please read this handbook in preparation for the event as it contains all the information you will need while onsite at the conference. If you have any questions or require further information, contact the conferences team using the details below. Two IOP representatives will also be on-site throughout the event.

Claire Garland
Conferences Manager
Institute of Physics
Tel: +44 (0)20 7470 4840
Mobile: +44 (0)7881 923 142
Email: claire.garland@iop.org

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



Sponsors



Committee

Conference chairs

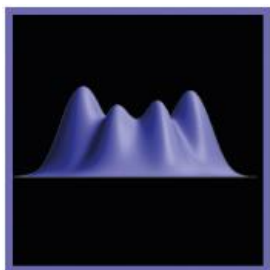
Cyrus Hirjibehedin (UCL)
Steven Schofield (UCL)

Organising committee

David Bowler (UCL)
Veronika Brazdova (UCL)
Neil Curson (UCL)
Holly Hedgeland (UCL)
Robert Thompson (UCL)

Scientific advisory committee

Ashley Cadby (U. Sheffield)
Caterina Ducati (U. Cambridge)
Philip Moriarty (U. Nottingham)
Paul Mulheran (U. Strathclyde)
Kane O'Donnell (Cutin University)
Oliver Warschkow (U. Sydney)
Richard Woolley (U. Nottingham)
Andrew Yacoot (NPL)



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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.

Disclaimer

The Institute of Physics and University College London (UCL) accept no responsibility for any accident, loss or damage to exhibitors or their property during the conference.

Location

The conference will be held at University College London (UCL) in the Darwin Building from Monday 1 to Wednesday 3 June. A campus map is appended at the back of this document.

The lectures are in single session format and held in the Darwin lecture theatre. Posters, the exhibition and catering will be held in Darwin rooms B15 and B05 with the exception of the evening reception and buffet on Monday which will be held in the South Cloisters in the Wilkins Building.

University College London
Gower Street
London
WC1E 6BT

The Darwin Building can be accessed through the main entrance on Gower Street during the times listed below. At all other times, please access the building via Malet Place.

Monday 1 June	08:00 – 10:00	17:00 – 18:30
Tuesday 2 June	08:00 – 10:00	19:00 – 20:30
Wednesday 3 June	08:00 – 09:30	17:00 – 18:30

Accommodation

Please refer to the website at <https://www.imperialhotels.co.uk/en/> for a list of hotels close to the university.

Travel

Please refer to the website at <http://tmemna2015.iopconfs.org/Travel> for travel information. If you need any help planning your route to the conference, email claire.garland@iop.org.

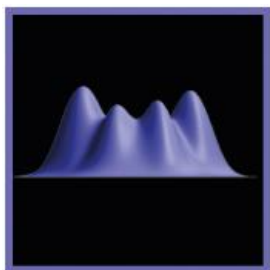
Internet

WiFi internet access is available for all participants; log in details will be available on request from the registration desk. Eduroam is also available for students, researchers and staff from participating institutions. For further information, visit <http://www.eduroam.org>

Registration

Registration will be held in the foyer of the Darwin Building at the following times. Each participant will receive a pen, a notepad, an abstract book, which includes the programme, and a lapel badge.

Monday 1 June	08:00-17:30
Tuesday 2 June	08:30-18:00
Wednesday 3 June	08:30-17:40



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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.

Catering

The registration fee includes refreshments and lunch, a pre-conference reception on Sunday 31 May, a reception and buffet on Monday 1 June and a poster and exhibitor buffet on Tuesday 2 June. Please refer to the overview below for timings and locations.

Date	Event	Time	Location
Sunday 31 May	Pre-conference reception	18:00-20:00	The Parcel Yard
Monday 1 June	Arrival coffee	08:00-09:00	Darwin rooms B15/B05
	Coffee break	10:30-11:00	Darwin rooms B15/B05
	Lunch	12:30-14:00	Darwin rooms B15/B05
	Tea break	15:30-16:00	Darwin rooms B15/B05
	Reception and buffet	17:45-19:30	South Cloisters
Tuesday 2 June	Arrival coffee	08:00-09:00	Darwin rooms B15/B05
	Coffee break	10:30-11:00	Darwin rooms B15/B05
	Lunch	12:55-14:00	Darwin rooms B15/B05
	Reception and buffet	18:00-20:00	Darwin rooms B15/B05
Wednesday 3 June	Arrival coffee	08:00-09:00	Darwin rooms B15/B05
	Coffee break	10:30-11:00	Darwin rooms B15/B05
	Lunch	12:30-14:00	Darwin rooms B15/B05
	Tea break	15:30-16:00	Darwin rooms B15/B05

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

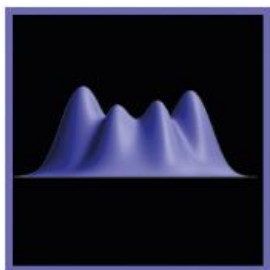
Nut allergies – unfortunately the venue cannot provide assurances that food has not been cross-contaminated with traces of nuts during ingredient processing at manufacture's site, and during food preparation on site. For this reason, we are unable to provide guarantees that any of the food is free from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

Social programme

The social programme is included in the registration fee.

Sunday 31 May

A pre-conference reception will be held at The Parcel Yard, a pub in a grade I listed historic building located inside the new concourse of Kings Cross station (see www.parcelyard.co.uk/). The reception will be held from 18:00-



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20:00 in the 'first class lounge' and will include drinks and canapés. In order to estimate numbers, please confirm your attendance by email to claire.garland@iop.org – partners are welcome to attend.

The Parcel Yard
King's Cross Station
London, N1C 4AH

Monday 1 June

A welcome drinks reception with a hot fork buffet will be held in the South Cloisters, Wilkins Building at UCL. The reception will start at 17:45 until 19:30.

Tuesday 2 June

An optional excursion has been arranged to the London Eye, one of the UK's premier tourist attractions. The London Eye is a giant Ferris wheel on the South Bank of the River Thames. It is the tallest Ferris wheel in Europe at 135 metres (443 ft) tall.

A coach will depart from Gordon Square at 14:00, a short walk from the conference (please see the campus map appended at the back of this document). On the return journey, the coach will leave South Bank promptly at 16:00 and return participants to UCL to continue the oral talks. A member of the IOP conferences team will accompany participants to the London Eye.

The excursion to the London Eye is included in the registration fee but places must be booked in advance of the conference. If you did not indicate your attendance when registering but would like to attend, please notify claire.garland@iop.org as soon as possible. It will not be possible to book this trip during the conference.

A drinks reception with a hot fork buffet will follow and will be held together with the posters and exhibitors in the Darwin Building, rooms B15 and B05. The reception will start at 18:00 until 20:00.

Information for presenters

Oral presentations

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

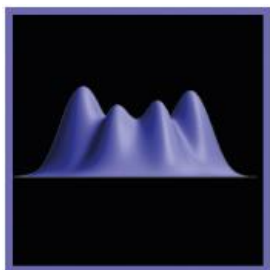
Presenters are asked to prepare their presentations to match the time allocated in the programme as these will be strictly enforced by the conference chairs.

- Invited talks (40 minutes) 35 minutes + 5 minutes for questions
- Contributed talks (25 minutes) 20 minutes + 5 minutes for questions

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



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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 Tuesday 2 June between 18:00 -20:00. During this session, authors are asked to remain next to their posters to answer questions.

Displaying and removing posters

Posters can be mounted from 08:00 on Monday 1 June and must be removed by 17:30 on Wednesday 3 June. Any poster not removed at the correct time, will be recycled.

Dimensions

Poster boards are 2m by 1m and orientated vertically. Posters should be A0. 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.

Content

Posters are a visual presentation of your research and as such we recommend that you use schematic diagrams, graphs and tables, where possible, rather than just text. Please use an appropriate sized font so the information is legible at a distance of about 3' or 1 metre.

Your poster should include the title, author's name, and affiliations with the presenting author underlined. We recommend that this information is placed top centre of the page. For the poster, we recommend that you include an abstract, method section, results section and a conclusion or summary. You might also want to list key references or acknowledgements. If you decide to structure your paper differently, please ensure you format the poster with clear headings and keep text to a minimum.

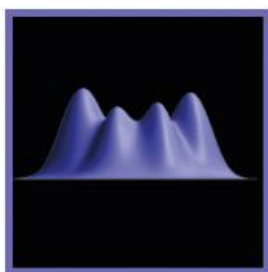
Programme

Please refer to the website at <http://tmemna2015.iopconfs.org/Programme1> for the latest programme. A copy of the programme will be included in your conference pack which you will receive on arrival at the conference.

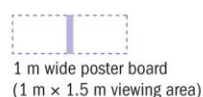
Exhibition

The exhibition will be held from 18:00 on Tuesday 2 June until 16:00 on Wednesday 3 June. Please make every effort to visit the exhibitors to find out about their products and services.

- NT-MDT (stand E3)
- Scanwel and SPECS Surface Nano Analysis GmbH (stand E7)
- Sigma Surface Science (stand E2)
- Windsor Scientific Ltd (stand E1)



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1 m wide poster board
(1 m × 1.5 m viewing area)



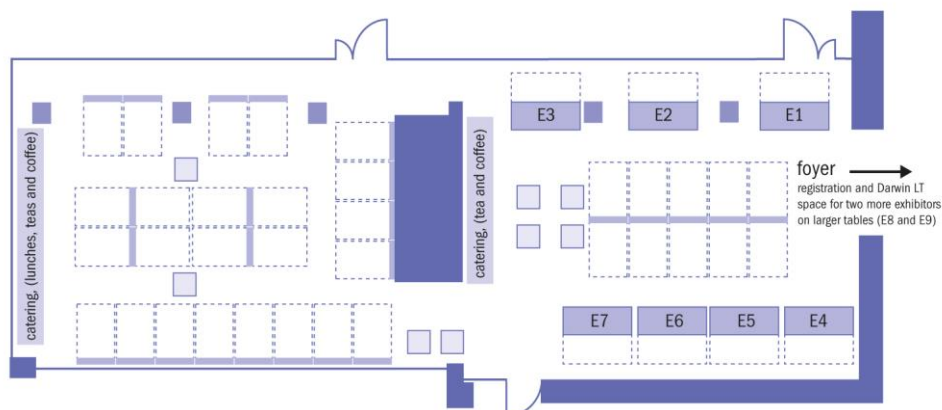
1.8 m × 0.68 m table for exhibitors
(1.8 × 0.8 m seating area)



0.6 × 0.6 m table



pillars and walls



NT-MDT (stand E3) - <http://www.ntmdt.com/>

From cutting edge scientific research to routine surface investigations, NT-MDT has a unique and unrivalled portfolio of scanning probe microscopes. Our application-focused instruments provide you with a full range of capabilities in AFM-Raman, high-resolution, multi-frequency measurements, and AFM based nanomechanics. As an innovator in SPM for over 20 years, NT-MDT has a specialized high-performance solution for your research needs.

Scanwel and SPECS Surface Nano Analysis GmbH (stand E7) - <http://www.scanwel.co.uk/> and <http://www.specs.com/>

Scanwel manufacture and distribute components and systems to end users and o.e.m.s in academia, government laboratories and industry. Our own product range includes vacuum fittings, components, custom fabrications/ chambers and bespoke systems/ end stations

SPECS Surface Nano Analysis GmbH - A Story of Constant Innovation

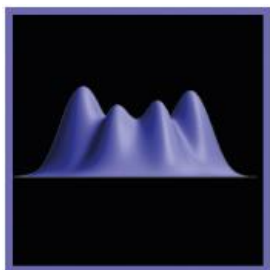
SPECS has more than 150 employees at its headquarters in Berlin and its subsidiaries in the USA and Switzerland. The company also has sales offices and international sales channels in more than sixteen countries. A team of scientists and engineers are involved in developing and producing scientific instruments for surface analysis, material science and nanotechnology. By constant innovation new techniques, components or system concepts are launched every year since more than 30 years, revolutionizing the field of surface analysis.

Sigma Surface Science (stand E2) - <http://www.sigma-surface-science.com/home/>

Sigma Surface Science is a specialized company in the field of material research with the focus on the development and production of instruments for UHV SPM and Electron Spectroscopy. The majority of the team consists of physicists and engineers with more than 200 years of joint experience in this field. Our long term relationship and cooperation with leading researchers from science and industry allows us to design and build instruments to meet current and future needs for nanoscience research. The flat hierarchy in our company and the expertise in our team enables us to provide custom tailored solutions at the highest standard and best performance for our customers.

Windsor Scientific Ltd (stand E1) - <http://www.windsorscientific.co.uk/>

Windsor Scientific has for over 25 years provided metrology and surface analysis equipment for academia, industry and education. We offer a genuinely unique range of instruments including Scanning Probe Microscopes (Ambient and UHV), 3D Optical Profilers and Digital Holographic Microscopes from technology leading companies from around the world. We also provide service, support and a range of microscopy consumables, including AFM probes and standards.



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Health and safety

Safety and emergency procedures

In the unlikely event of a fire, an alarm will sound. Please evacuate the building immediately. 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 fee prior to the start of the event.

Money

Britain's currency is the pound sterling (£). There are banks and cash machines located close to the campus.

Electricity

British electrical standards are 50Hz 230 volts, so some North American and European electrical devices may require converters; all will require plug adapters.

Tourist information

There is lots to do and see in London. For ideas, see the Visit London website at www.visitlondon.com/

IOP Membership

Non-member registrants attending this conference will automatically become affiliate members of the Institute of Physics for 12 months and will receive copies of Physics World. As an affiliate member you will be entitled to attend all conferences at the members' rate for the period of your membership and to use MyIOP – the member-only network.

Full details will be sent to you after the conference. In order to take advantage of this affiliate membership, payment for the conference registration fee must be received in accordance with our payment terms.

Membership of the Institute of Physics is open to all those with an interest in Physics. For further information, please visit <http://members.iop.org> or email membership@iop.org.



- Main UCL Buildings
- Student Accommodation
- Internal thoroughfares

- 22 Street number
- △ Pedestrian Access
- ▶ Wheelchair Access

- UCL Library Sites
- UCL Shop
- Information Point

- Cafés/UCL Unions
- Bicycle Sheds
- Underground Station

- Railway Station
- One-Way Streets
- Bus stop



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Institute of Physics

76 Portland Place, London W1B 1NT, UK

Telephone: +44 (0)20 7470 4800

Fax: +44 (0)20 7470 4848

www.iop.org/conferences

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