

Dielectrics 2015

22–24 April 2015

National Physical Laboratory, Teddington, UK

<http://dielectrics2015.iopconfs.org>

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Enquiries

General organisation

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Organising committee:

Ronald Pethig, University of Edinburgh (Chair)
John Blackburn, Senior Research Scientist (Secretary)
Stephen Dodd, University of Leicester (Treasurer)
Darryl Almond, University of Bath
Sillas Hadjiloucas, University of Reading
Jonathan Swingler, University of Southampton
Anthony West, University of Sheffield
Markys Cain, National Physical Laboratory
Nicolas G Green, University of Southampton

The Dielectrics Physics Conference is organised by:

IOP | **Institute of Physics**
Dielectrics Group

[IOP Dielectrics Group](#)

Disclaimer

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

Location

The conference will be held at the National Physical Laboratory in Teddington.

Teddington is in the London borough of Richmond. It is located on the north bank of the River Thames, between Hampton Wick and Twickenham and 10 miles south west of Charing Cross. For further information please visit Teddington Tourist Information at <http://www.visitrichmond.co.uk/teddington.aspx>

Venue

National Physical Laboratory

Hampton Road
Teddington
Middlesex
TW11 0LW
Tel: +44 (0) 20 8977 3222

For information about the venue, please visit <http://www.npl.co.uk/>

Registration

The registration desk will be situated in the foyer area behind the main reception on the ground floor. The registration desk will be open at the following times:

Date	Times
Wednesday 22 April 2015	12:00 – 19:30
Thursday 23 April 2015	08:30 – 19:30
Friday 24 April 2015	08:30 – 13:00

On arrival, each participant will receive a delegate pack containing a lanyard badge, programme, delegate list, folder, note pad and pen. 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.

The **conference abstract book** will be made available to delegates as a PDF file, in advance of the conference. The abstract book will only be available in a digital format. Please print a personal copy if you would like to refer to a hardcopy at the conference.

Messages

A message board will be placed near the registration desk. Participants should check the board for messages as an attempt to locate participants will only be made in the case of an emergency. During registration times, messages can be left by emailing jon.roe@iop.org or by telephone on 07850 311 912.

Catering

During the conference lunches and refreshments are included and served in the Foyer area by reception at set times during the conference programme. Outside of these times, delegates can purchase refreshments from Costa coffee located on the first floor.

Wednesday 22 April 2015	Time	Location
Welcome refreshments	12:00	Reception Ground Floor
Lunch	12:50	Reception Ground Floor
Afternoon break	16:30	Reception Ground Floor
Thursday 23 April 2015		
Arrival refreshments	08:30	Reception Ground Floor
Mid-morning break	10:30	Reception Ground Floor
Lunch	12:00	Reception Ground Floor
Afternoon refreshments	15:00	Reception Ground Floor
Friday 24 April 2015		
Arrival refreshments	08:30	Reception Ground Floor
Mid-morning break	10:30	Reception Ground Floor
Lunch	12:50	Reception Ground Floor

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 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 the venue 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 e-mail jon.roe@iop.org if you have any queries.

Accommodation

Accommodation is not included in your registration and you are expected to make your own arrangements. There are several hotels nearby and an accommodation list local to NPL where they have preferential rates can be found online at: <http://www.npl.co.uk/contact-us/local-hotels>

Conference information

Presenter’s information

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

- Laptop with PowerPoint facilities (Office XP and Windows XP)
- Data projector and projector screen
- Microphone – Radio (Lapel)

Speakers wishing to use additional audio-visual equipment or intending to present from a Macintosh computer are asked to contact Jon Roe (jon.roe@iop.org) before the conference.

Presentations

Speakers are requested to bring their presentations on a USB memory stick in either Office 2007 or .pdf format and preload them onto the laptop 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.

- Invited talks (1 Hour)
- Contributed talks (30 minutes)

Poster information

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. All posters will need to be mounted during registration from 12:00 on Wednesday 22 April and removed by close of conference.

All posters will remain mounted throughout the conference but will be divided into 2 sessions based on the topic. For those presenting, we ask that you are stationed by your poster during your allocated slot.

Although organisers will endeavour to save poster material, no guarantee can be made for posters not removed by the scheduled times. Posters must not be larger than **A1** in size and should be a **portrait** format. The poster board measures 6ft (1830mm) tall by 3ft (940mm) wide, and therefore if your poster does not fit within these dimensions, we cannot guarantee it will be displayed. Sticky dots will be provided to mount your poster

Programme

Please refer to the website at <http://dielectrics2015.iopconfs.org/Programme> for the latest programme

Exhibition

An exhibition will be held alongside the conference for the duration of the event. During the conference, the following exhibitors will be on hand to discuss the services they provide, the latest research & development and demonstrations of their new products. The exhibitors will be located alongside refreshments and the poster exhibition in the foyer area on the ground floor.

Exhibitors:



Knowledge Transfer Network

KTN Connects people: To speed up innovation, solve problems and find markets for new ideas.

Established to foster better collaboration between science, creativity and business, KTN has specialist teams covering all sectors of the economy – from defence and aerospace to the creative industries, the built environment to biotechnology and robotics. KTN has helped thousands of businesses secure funding to drive innovation. And we support them through their business cycle to see that investment through to success. For more information see our website at <http://www.ktn-uk.co.uk>



National Instruments

Since 1976, NI (www.ni.com) has made it possible for engineers and scientists to solve the world's greatest engineering challenges with powerful, flexible technology solutions that accelerate productivity and drive rapid innovation. Customers from a wide variety of industries – from healthcare to automotive and from consumer electronics to particle physics – use NI's integrated hardware and software platform to improve the world we live in.

Social Programme

On Thursday 23 April the conference dinner will take place at the Kings Head in Teddington. It is a set menu which will include a three course meal with a glass of wine for £20. If you are interested in attending the meal and wish to learn the menu options, please contact Jon Roe on 07850 311 912 or jon.roe@iop.org

Travel

NPL is well served by public transport. If you need any assistance planning your journey, email conferences@iop.org

By Air - from London airports

Participants travelling to the conference by air are advised to travel to one of London's five international airports. London is one of Europe's central routing points for international air travel and is served by nearly every major international airline. Participants are recommended to book flights early to take advantage of discounted fares.

The closest airport to Teddington is Heathrow Airport which is 6 miles away. The X26 and 285 buses provide direct connection from Heathrow to Teddington and run 24 hours, departing every 10 minutes approx. (journey time roughly 45 minutes). If arriving at Gatwick Airport, delegates should take the train from South Terminal and travel to Teddington changing at Clapham Junction. Trains run every half hour and the journey time is 1 hour 30 minutes. For other airports it will be necessary to travel through central London then take the train from Waterloo to Teddington

To plan your onward journey to Teddington by tube or rail visit www.tfl.gov.uk or www.nationalrail.co.uk and by coach visit www.nationalexpress.co.uk. The cost of taxi's from each airport will vary significantly and as traffic can be busy you are advised to use where possible the rail and underground network.

By Car

[Download directions for travelling to Teddington by car](#)

You may also want to use an online journey planner such as [Michelin](#) or [RAC](#)

Please note if you are using a GPS/satellite navigation system to get to NPL, ensure that the postcode TW11 0LW directs you to the entrance on Hampton Road and not the old site entrance on Queens Road

Parking at the National Physical Laboratory

Parking on site is limited so we encourage people to use public transport.

By Train

Trains from London Waterloo leave regularly, journey time is approximately 30 minutes. Please use the [TFL Journey Planner](#) to plan your journey.

By Bus

Buses 281, 285, R68, 33, 481 and X26 all serve Teddington. For those arriving from Heathrow, the X26 and 285 buses provide a direct connection from the airport to Teddington and run 24 hours, departing every 10 minutes. The journey time is approximately 45 minutes.

Local Taxis

Teddington Minicab: +44 (0)20 8560 0000

Teddington Taxi's: +44 (0)20 7127 4642

Visas

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

Health & Safety

First Aid

For any emergency, assistance can be summoned by dialling 3333 on any internal telephone. NPL has a large number of fully trained first aiders located across the site and automated defibrillator machines are provided for their use.

In the event of an emergency: Ambulance, Fire Brigade or Police please telephone: 999

Fire and Evacuation Procedures

The fire and evacuation procedure will be explained during the Chairman's welcome address at the start of the conference. If the fire alarm is activated delegates must proceed as instructed by venue staff. Please do not stop to collect belongings or re-enter the building unless told to do so by the conference venue personnel.

Behaviour and conduct

The Institute of Physics and The National Physical Laboratory reserves the right to charge in full for loss or damage to the Laboratory

General Information

Dining Facilities

NPL has an in-house restaurant on the 1st floor for cash sales

Cloakroom

There are cloakrooms located on the same floor as the exhibition and lecture room. They can be found after the first set of doors on the first floor, on the right hand side.

Local Facilities/Information

The nearest cash point is the Halifax bank, which is adjacent to Tesco Metro, on Broad Street, only a 5 minute walk away. Here you can find restaurants and pubs as well as the closest shop for confectionary and newspapers.

Electricity

British electrical standards are 50Hz 230 volts, so some North American and European electrical devices may

require converters; all will require plug adapters. Please bring your own adaptor.

Internet Access

Complimentary Wi-Fi internet access is available for all conference delegates. The Visitors guest network is called 'GuestAccess'. To connect to the guest network:

1. Connect to the GuestAccess network
2. Open your internet browser
3. Accept the unsigned certificate if prompted to do so
4. Log in with USERNAME: guest PASSWORD: Teddington

Smoking Policy

In accordance with government legislation smoking is not permitted in any building, temporary enclosed structure or substantially enclosed space outside buildings. Smoking areas are located outside on the west side of module 9, east side of module 3 and east side of module 16.

Complaints

We hope that your time at the conference is enjoyable. However, should you encounter any problems whilst at the conference, 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.

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 IOP 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.

Sponsors

The organisers would like to thank the following sponsor of the IOP Dielectrics Conference:





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Tel: 020 8977 3222 Fax: 020 8614 0446

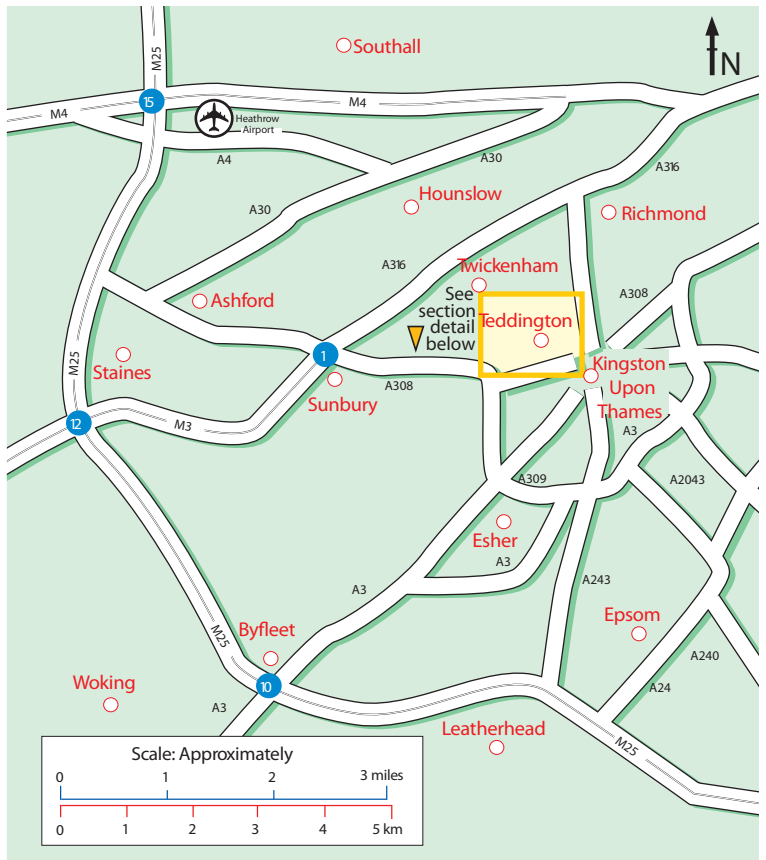
www.npl.co.uk

Public Transport

 **By Rail,**
Teddington Station
20 minutes walk to NPL.

 **By Air**
Heathrow Airport
Bus 285 travels to
Teddington and stops outside NPL.
Bus X26 is faster and stops at
Broad Street, a short walk from
NPL. Or take a taxi, approximately
30 minutes to Teddington.

 **Buses.**
Teddington is well served
by buses from Heathrow, Kingston,
Twickenham and Richmond
(285, X26, 281, R68 and 33).



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www.iop.org/conferences

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