

Second announcement and call for abstracts



Electrostatics 2015

12–16 April 2015

Southampton Solent University, Southampton, UK

Organised by the IOP Electrostatics Group

<http://elec2015.iopconfs.org>

IOP Institute of Physics



ELECTROSTATICS 2015

Electrostatics 2015, the next conference in the quadrennial series of world-renowned international conferences on electrostatics spanning half a century and organised by the Institute of Physics, will be held at Southampton Solent University. Southampton is one of the most famous maritime cities in England, with many nearby areas of historic and nautical interest.

The hazardous aspects of static electricity, most notably ignition of gases, vapours and dust clouds, which have been a major feature in earlier conferences, still persist today. Also, the decreasing size and increasing chip density and sensitivity of electronic devices continues to make them ever more vulnerable to electrostatic discharge, of necessity requiring continued development of effective protection measures. Both these aspects will be discussed by world-leading experts.

The evolution of biology-inspired technology to solve world energy and environmental pollution problems requires elucidation of the influence of interfacial charging and charge migration characteristics on the catalytic activity of enzymes.

Electrostatic phenomena represents a key element in several biomedical applications such as solid and liquid drug formulation, compaction and delivery within the human body, tissue engineering, cancer treatment, DNA extraction to diagnose infectious diseases and regenerative medicine, to name a few.

Electrostatics 2015 will be a well ordered, stimulating and instructive conference. See you there.

Speakers

- **Bill Bright memorial lecture**
The contribution of surface potential to diverse problems in electrostatics
Prof. M N Horenstein (Boston University, USA)
- Atmospheric-pressure ionization processes: New approaches and applications
Prof. D B Go (University of Notre Dame, USA)
- Development of super-clean diesel engine and combustor using non-thermal plasma hybrid after-treatment
Prof. M Okubo (Osaka Prefecture University, Japan)
- Electrospun materials for affinity-based drug delivery
Prof. H von Recum (Case Western Reserve University, USA)
- ESD in industry – present and future
Dr J M Smallwood (Electrostatic Solutions Limited, UK)

Call for abstracts

Submission of abstracts is now open for poster and contributed oral presentations.

Abstracts can be submitted on a wide range of topics, spanning a variety of electrostatic subject areas. Abstract files, which can include a maximum of one figure and three references, should be submitted online at <http://elec2015.iopconfs.org> by 29 October 2014.



ELECTROSTATICS 2015

Proceedings

Authors of abstracts accepted for oral and poster presentation at Electrostatics 2015, are invited to contribute a full paper (four pages) to the conference proceedings, which will be published in the open access *Journal of Physics: Conference Series* (JPCS), published by IOP Publishing.

All papers published in the IOP *Conference Series* are fully citable and upon publication will be free to download. IOP *Conference Series* now receives in excess of 2.3 million article downloads per year, and is abstracted and indexed in Scopus, Compendex and Inspec, among others. Citations are tracked online using IOP Publishing's citing articles facility in addition to the full citation tracking facilities provided by Scopus.

Venue

The Southampton Solent University Conference Centre is the host venue for Electrostatics 2015 and is located in the centre of the city. Travel to and from the conference centre is easy and convenient; it is just a five-minute walk from Southampton central train station and it is within easy reach of motorways, ferries and Southampton International Airport.

Accommodation will be available at Jurys Inn Southampton and rooms can be booked during online registration at a preferential rate (subject to availability).

For more information, please visit
<http://elec2015.iopconfs.org/venue>

Key dates

Abstract submission deadline:	29 October 2014
Paper submission deadline:	3 February 2015
Early registration deadline:	28 February 2015
Registration deadline:	1 April 2015

Registration

Registration is now open and available via the conference website <http://elec2015.iopconfs.org>. Concessions are available for members of IOP and co-sponsoring organisations.

Registration fees

**Early registration fees
(before or on 28 February 2015)***

IOP Member	£384
IOP Concessionary	£250
Non-Member	£484
Student Non-Member	£265

*online registration with credit/debit card payment

Exhibition and sponsorship

A two-day table-top exhibition will be held alongside the conference on Tuesday 14 and Wednesday 15 April. The exhibition will provide companies in the field and related areas of electrostatics the opportunity to demonstrate their products to a captive audience. We also invite sponsorship from companies and organisations wishing to raise their profile within the community and increase their visibility at the conference.

For sponsorship package details and booking information please visit
<http://elec2015.iopconfs.org/exhibition>.

Enquiries

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