

Smart Surfaces 2012

Solar & BioSensor Applications

Alexander Hotel, Dublin, Ireland

Tuesday 6th – Friday 9th March 2012

Plenary Lectures from:

Richard M. Crooks, University of Texas at Austin

Michael Grätzel, École Polytechnique Fédérale de Lausanne

Charles R. Martin, University of Florida

Michael Naughton, Boston College

Daniel G. Nocera, Massachusetts Institute of Technology

Itamar Willner, Hebrew University of Jerusalem

Smart Surfaces: From Light to Life



www.smartsurfaces2012.ie

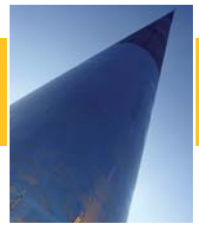
**First
Announcement**



UNIVERSITY of LIMERICK
OLLSCOIL LUIMNIGH

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Welcome

Céad Míle Fáilte (a hundred thousand welcomes) to **Dublin**, Ireland's capital city, steeped in history and fuelled by youthful energy. We will introduce you to the highlights of our famous city which has been shaped over 1,200 years. Always characterised by a strong scientific and engineering bias, in 2012 Dublin is honoured to be designated the European City of Science, where creativity and great science meet.

SmartSurfaces2012: From Light to Life is a unique conference, bringing together leading scientists and engineers from around the world to discuss the latest advances in surfaces for application in solar and biosensor technologies. Surfaces underpin these key technologies and the highly productive multidisciplinary approach to surface research is the impetus for this focal conference. The ability to manipulate surfaces offers the possibility of tailoring devices for current engineering and scientific needs and of producing new materials to meet challenges in the energy and biomedical fields.

Plenary lectures from eminent international scientists will be among the highlights of the scientific program. The cross-cutting expertise of these experts will perfectly complement parallel sessions in surfaces for sensors and solar cells.

We invite you to join us for SmartSurfaces 2012 and look forward to seeing you in Dublin in March.

Don MacElroy and Han Vos (Co-Chairs)
On behalf of the Conference Committee



Dublin / Ireland

The island of Ireland enjoys a rich diversity of ethnic groups and cultures and is a place of breathtaking scenery. Dublin is Ireland's capital city, steeped in history and buzzing with energy.

Medieval, Georgian and modern architecture provide a backdrop to a friendly cosmopolitan city. Dublin is a thriving centre for culture and is home to a great musical and literary tradition, its native sons include Shaw, Yeats, Joyce and Beckett.

Dublin City's attractions include castles, museums, art galleries, pubs and cafes. Within half an hour of the city are mountain walks, stately homes and gardens, sandy beaches and fishing villages. The conference will be held in the Alexander Hotel situated right in the city centre of Dublin.

Conference Theme

The theme for the conference is **From Light To Life** and represents a powerful and unique opportunity to interact with a range of researchers all interested in creating and applying modified surfaces. These "Smart Surfaces" range from dye sensitized solar cells to labeled antibodies immobilized on surfaces for disease biomarker detection. Sessions will include Smart Surfaces for Sensors and Solar Cells, Nanomaterials, Surface Characterisation (photophysical, electrochemical, microscopic), Nanobiosensors and Nanobioanalytical Systems and Dye Sensitized Solar Cells.



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Conference Committee

Don MacElroy

School of Chemical and Bioprocess Engineering,
UCD Dublin (Co-Chair)

Johannes G Vos

School of Chemical Sciences,
Dublin City University (Co-Chair)

Robert Forster

School of Chemical Sciences, Dublin City University

John M Kelly

School of Chemistry, Trinity College Dublin

Edmond Magner, Materials and Surface Science
Institute, University of Limerick

Kevin M Ryan, Materials and Surface Science
Institute, University of Limerick

John T Sheridan, School of Electrical, Electronic and
Mechanical Engineering, UCD Dublin

Sharon Davin, SFI Solar Energy Conversion Cluster,
UCD Dublin

Important Dates:

Call for abstracts

1st July 2011

Deadline for submission of abstracts

25th October 2011

Notification of acceptance of abstracts

8th November 2011

Deadline for early registration

6th December 2011

Conference dates

6th – 9th March 2012

Call for Papers

Submissions for the scientific programme and invited from interested participants. Proposals for oral and poster presentations will be accepted. Please see the conference website for details on the format of submissions and abstracts.

Who Should Attend

Smart Surfaces 2012 is a four-day event targeted at researchers interested in the design, modification, characterisation and application of surfaces with particular relevance to sensors and solar cells. The meeting will feature daily Plenary and Invited Presentations followed by parallel sessions focusing on the central role of interfacial engineering in Sensors and Solar Energy. In addition to the invited lectures from the key international leaders in their field, there will be contributed oral talks and posters coupled to significant opportunities for one-to-one discussions and debate. The meeting represents a unique opportunity to hear in-depth invited talks on your specialist topic as well as learning more about how your materials and techniques can be applied in other areas.



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Conferences Venue

The conference will be held in the Alexander Hotel, this four star hotel is considered to be one of Dublin's finest hotels offering a unique blend of modern European elegance and traditional Irish hospitality. The excellent conference facilities will provide the perfect backdrop to the conference. All bedrooms are spacious, fully air-conditioned and decorated in warm modern shades.

Social Programme

An exciting social programme has been put together to enable delegates to experience the best of Irish food and drink. This includes a welcome reception, an Irish evening and a gala dinner, giving delegates the opportunity to meet in a relaxed environment and catch up with old friends.

Accommodation

We have negotiated special accommodation rates for the conference, to avail of these you need to book your accommodation on the registration form.

Sponsorship & Exhibition Opportunities

A trade exhibition will run during the symposium in parallel with the scientific programme. If you would like to find out more information on becoming a sponsor or exhibitor, please contact:

Elva Hickey

Tel: + 353 1 296 9391

Email: elva@conferencepartners.ie

Further Information

Please see the conference website

www.smartsurfaces2012.ie for regular updates. If you would like to receive further information on the conference, please contact us on the conference website.

For further information on accommodation, social programme and registration please contact:

Elva Hickey, Conference Partners Ltd, 2nd Floor, Heritage House, Dundrum Office Park Dundrum, Dublin 14, Ireland.

Tel: + 353 1 296 9391

Email: elva@conferencepartners.ie

For further information on the abstract submission and the scientific programme please contact:

Tel: + 353 1 716 1719

Email: smart.surfaces2012@dcu.ie

