

Structure and Dynamics of Surfaces and Interfaces

(60 years of BVC)

Date: Thursday 10th October 2019

Venue: Lounge South, Ricoh Arena, Coventry, CV6 6GE

INTRODUCTION

Vacuum is ubiquitous in science and technology. Vacuum enabled the field of surface science, which in turn led to the creation of nanoscience and nanotechnology.

This meeting is organised as a celebration of the 60th anniversary of the British Vacuum Council, and a celebration of the award of the 2019 IUVSTA Prize for Science to Prof. Phil Woodruff of Warwick University. The Prize was awarded for “outstanding contributions to deepening our understanding of the structure of surface through the development and application of broadly applicable tools now widely available to the surface science community”.

To complement the presentation from Prof. Woodruff, we have chosen five internationally-leading surface scientists who will present their work covering structure, electronic structure, reactivity, and the physics of dynamic processes at surfaces and interfaces.

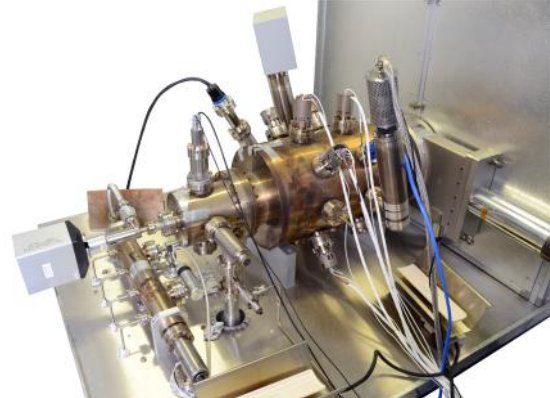
Programme

- 09:00 Registration opens in the atrium
- 09:50 **Opening and Prize Presentation**
- 10:00 **BVC 60th anniversary presentation from 2019 IUVSTA Prize for Science winner**
Determining Surface Structure: Why and How?
Phil Woodruff, *University of Warwick*
- 10:25 **Electronic Structure and Charge Density-Wave States in Single-Layer Transition-Metal Dichalcogenides**
Phil King, *University of St. Andrews*
- 10:50 **Tea / Coffee**
- 11:10 **Hot electrons: a new source of light on the nanoscale**
Kristina Rusimova, *University of Bath*
- 11:35 **Chiral nanoplasmonic systems**
Malcolm Kadodwala, *University of Glasgow*
- 12:00 **Lunch Break | Poster Session | Exhibition Session**
A poster prize will be awarded at 13:30 for the best poster
- 14:00 **X-ray Photoelectron Spectroscopy: Beyond the Surface**
Anna Regoutz, *University College London*
- 14:25 **On-surface covalent-coupling reactions: molecular, sub-molecular, and atomic scale characterisation**
Alex Saywell, *University of Nottingham*
- 14:50 **Close**
- 15:00 **Exhibition open until 16:00**

MEETING ADMINISTRATION & MANAGEMENT

Vacuum Symposium Secretariat

Email: info@vacuum-uk.org



9TH & 10TH OCTOBER 2019 . COVENTRY UK

www.vacuum-uk.org

A MEETING AT THE 10TH VACUUM SYMPOSIUM

Please watch out for updates on the website

TECHNICAL PROGRAMME CO-ORDINATOR

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To respond to this Call for Posters please go to:

Vacuum Symposium
www.vacuum-uk.org
and make a note of the dates in your diary TODAY!



Co-located with

VacuumExpo

Industrial and Scientific
Conference & Exhibition

www.vacuum-expo.com

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CALL FOR POSTER PRESENTATIONS

This meeting comprises a programme of invited speakers and a poster session (which will be combined with other meetings for added interest). The programme will allow time for delegates to network with others and to visit the exhibition.

VACUUM SYMPOSIUM POSTER PRIZE

We invite contributions for poster presentation which may be on any vacuum related topic (e.g. thin films, plasma technology, surface analysis, vacuum in manufacturing etc.). Prospective poster presenters should submit their abstract by 4th October 2019.

This year's poster prize is sponsored by Leybold UK Ltd.



To contribute your poster please go to **WWW.VACUUM-UK.ORG** and follow links to the 2019 Event / Poster Sessions. At the bottom of the page click on "Notify intention to present a Poster at VS10". In addition, don't forget to register to attend the 10th Vacuum Symposium.

Deadline 4th October 2019.

MEETING ATTENDEES

To register as an attendee for the Symposium (which includes your pass into the Vacuum Expo exhibition) please go to **WWW.VACUUM-UK.ORG** and register.

Once registered you will be sent regular updates.

PLEASE SUPPORT THE EVENT - TELL YOUR COLLEAGUES!!

More at: www.vacuum-uk.org

COMMENTS FOLLOWING A PREVIOUS CONFERENCE:

Meeting organiser, Alan Webb of the Ion and Plasma Interactions (IPSI) Group of the IOP, commented on the quality of the meeting:

"It is rare to have speakers from so many different industry sectors all speaking in the same programme. It is significant that in the world of vacuum that one industry can learn from the experience of another. We are grateful to all speakers and their companies and organisations for their contributions which made the day so very successful".

A meeting contributing to the Vacuum Symposium at Vacuum Expo, co-located with:-



**The Enlighten
Conference**

**Quantum
TECHNOLOGIES**

BVC The British
Vacuum Council

IOP Institute of Physics
**Nanoscale Physics and
Technology Group**



**VACUUM
SYMPOSIUM**
a forum for scientists,
academics, technicians
and industrial users

CELEBRATING
10
YEARS

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Vacuum Symposium UK aims to address cutting edge issues associated with Vacuum Science Technology and Applications. This two-day event fosters a multidisciplinary environment that cuts across traditional boundaries between disciplines and features:

- Technical Sessions
- Poster Sessions
- Training Courses
- Exhibition

Other programmes:

Surface Analysis — the changing composition at the surface

Thin Film and Coating Technologies for Science and Industry

Technical Plasma Workshop (TPW 2019)

Vacuum through the years

.. and training courses

Quality Meetings. Quality Event.

**FREE-OF-CHARGE FOR ALL ATTENDEES
ADVANCE REGISTRATION REQUESTED**

