



**Vacuum
Technology
Conference
Exhibition**



16th September 2013
**Sussex Exchange
Conference Centre**
St Leonards-on-Sea

Personal Invitation

Tec 66 Conference & Exhibition, Monday 16th September 2013, 08.30am – 16.00pm

Location: The Sussex Exchange, St Leonards on Sea, East Sussex TN38 9AG

Directions: [Click here](#) to view map

HILLINGAR Ltd will be exhibiting at the inaugural Tec 66 Conference in Hastings East Sussex. We would like to invite you to join us on the day.

Hastings and wider East Sussex have established themselves as a global centre for high technology companies and Tec 66 will promote the many companies now based in the area, raise awareness of this thriving sector and feature a number of valuable industry expert workshops.

Science television presenters Maggie Philbin and Maggie Aderin-Pocock will both lead sessions for delegates at the Sussex Exchange Conference Centre and for Hastings students at Sussex Coast College to excite young people about careers in Science and Engineering locally.

The Tec 66 Conference follows on from Hastings' famous Seafood & Wine Festival weekend on 14th and 15th September 2013. A pre-conference reception will be held for delegates at the Jerwood Gallery at 5.00pm on Sunday 15th September. The Jerwood Gallery has been named as one of the ten best examples of architecture in 2012, cementing its position as an emblem of Hastings' famously world-class culture.

[Visit our site for more information »](#)

Speakers

Maggie Philbin

Maggie Philbin has worked in radio and television for 30 years on a wide range of science, medical and technology programmes. In March 2013 she joined BBC's Bang Goes The Theory as a presenter and in July 2012 she was thrilled to be awarded the title of Honorary Doctor of Technology from De Montfort University for her services to the world of Science and Technology.

In November 2012 at the WISE Women of Achievement Awards Princess Anne presented her with the award for best outreach work for TeenTech, the Community Interest Company founded by Maggie to help young people learn more about science. She has had her mantelpiece reinforced in case any more awards come her way!



Maggie Aderin-Pocock

Margaret (Maggie) Ebuoluwa Aderin-Pocock, MBE is a British space scientist. She is a research fellow in UCL Department of Science and Technology Studies and an Honorary Research Associate in UCL Department of Physics and Astronomy.

Maggie has worked on many projects, from private industry to government contracts to academic research. She began in the Ministry of Defence and the Defence Evaluation and Research Agency on missile warning systems. She then worked on hand-held instruments to detect landmines. She moved back to Imperial College London in 1999 with a Fellowship from the Science and Technology Facilities Council to work on a high-resolution spectrograph for the Gemini telescope in Chile.



John F Watts

John F Watts is Professor of Materials Science and Director of Research in the Department of Mechanical Engineering Sciences at the University of Surrey. For the last four decades he has carried out research using ultra-high vacuum-based surface analysis methods, based on electron and ion spectroscopies.

His presentation will review the advances in materials science and engineering that have been made as a result of the application of surface analysis techniques. The local connection is strong here, as much of the UHV equipment he has used throughout his career is stamped with "Hastings, England" and John was born, brought up and educated in East Sussex.



Tim Pearce

After training in Physics at his local university in Brighton (UK) and undergoing comprehensive training at Edwards High Vacuum Tim has spent a lifetime in the vacuum industry working with virtually every vacuum application imaginable. Recent years have brought him into detailed contact with the Organic Light Emitting Diodes (OLED) world which started with making special thin film evaporators for a Swiss university. This led to a major project undertaken by the Kurt J Lesker company with UDC and from these initial designs came the current range of SPECTROS organic materials thin film coating systems, examples of which reside in all the major laboratories in Europe like CDT, Novalod, TU Dresden. This range of systems include unique features like specialised software for dopant deposition control, wedge tools for multiple sample preparation in one run and totally automatic accurate mask change routine.



Moritz Riede

Before starting at the Physics Department of the University of Oxford in May 2013, Moritz Riede worked as head of the organic solar cell group at the Institut für Angewandte Photophysik (IAPP) of the TU Dresden. His research focus is on small molecule based organic solar cells and organic electronics in general and he has been working in this field for about ten years.

In the last decade, Organic Electronics (OE) has turned from being a curiosity in laboratories to a rapidly growing market for which many international companies are competing. The carbon-based semiconductors and conductors that are used for OE show distinct differences compared to standard inorganic (semi-)conductors, but can be used in a similar wide range of applications. Today, most people will have already seen one or the other product based on OE, but maybe not knowingly. Small displays made from organic light emitting diodes (OLED) that can be found in many modern mobile phones can be considered the first of several waves of OE applications. Large OLED displays for TVs, the second wave, are just starting to become available to consumers.

Further applications, like OLED lighting, organic solar cells and organic logic have not yet reached this level of maturity but are seeing rapid progress and have the potential to make OE products ubiquitous in the near future.



Conference Programme

8.30 - 9.10am	Registration & Coffee
9.15am	Official Tec 66 Conference Opening
Graham Peters, High Sheriff of East Sussex DL who also chaired the SME Commission	
9.30 - 10.15am	Maggie Philbin
Lord Bassam, Conference Chair, introduces Maggie Philbin (acclaimed presenter of Bang Goes the Theory, Inside Out and Tomorrow's World for BBC One)	
10.40 - 11.10am	Conference Workshop
Professor John F Watts – Director of Research, Surrey University Mechanical Engineering Sciences Faculty of Engineering & Physical Sciences	
11.10 - 11.30am	Coffee Break
11.30 - 12.00pm	Dr Maggie Aderin-Pocock
Lord Bassam introduces leading space scientist Dr Maggie Aderin-Pocock, MBE, who is currently working on the James Webb Space Telescope (the replacement for Hubble)!	
12.10 - 12.40pm	Conference Workshop
Tim Pearce – Chairman European Operations – Kurt J Lesker Ltd An overview of the industry and a new vacuum accredited training course is unveiled	
1.00 - 2.00pm	Lunch
2.15 - 2.45pm	Conference Workshop
Dr Moritz Riede – Technology of Organic Electronics – University of Oxford	
3.00 - 3.20pm	Coffee Break
3.45pm	Conference Overview & Questions
Lord Bassam – Conference Chairman	
4.00pm	Close

Sponsors



Exhibitors

- Manufacturing Advisory Service
- Ceramisis
- ITL Vacuum Components
- Kurt J. Lesker Co. Ltd
- HIVAC Engineering Ltd.
- MDC Vacuum Limited
- Oerlikon Leybold Vacuum UK Ltd
- VG Scienta
- Chell Instruments Ltd
- Let's Do Business Group
- Gibbons Mannington & Phipps
- HT Products Ltd
- Interface Precision Engineering
- SEPnet
- SiSTEM Technology
- Vac Techniche Ltd
- Photek Ltd
- Torr Scientific Ltd
- UHV Design
- University of Surrey
- Nor-Cal UK Ltd
- Queen Mary, University of London
- UK Trade & Investment South East
- HSBC
- Edwards Vacuum
- HILLINGAR Ltd
- Allectra
- FTI Limited
- Argon Services
- Sea Change Sussex
- Agilent Technologies-
Vacuum Products Division
- SS Scientific Ltd

Registration

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