



SOCIETY FOR INFORMATION DISPLAY

UK & IRELAND CHAPTER

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Chairman's Report

Myrddin Jones

Welcome to the latest SID UK & Ireland chapter newsletter.

I'd like to thank everyone who contributed to making a great success of EuroDisplay 2013. Over 190 people came together for the conference and workshop in London in September. It was a unique opportunity to learn about the latest and future developments in display technologies – from OLEDs and LCDs to holograms and contact lens displays. Although speakers came from all over the world, the event offered a uniquely focused look at the work now being done at companies and universities in Europe. An additional report of the conference can be found on Page 2.

Dr Jamieson Christmas, Chief Technology Officer of Two Trees Photonics, has won the Ben Sturgeon Award for 2013. The award was presented by the Chapter Director, Dr Sally Day at the, Eurodisplay 2013 conference. A report on the 2013 award can be found on page 3.



Myrddin Jones

and fabrication of OLEDs for lighting and display applications. Topics covered will include device architecture and materials, manufacturing processes, OLED performance and characterisation as well as practical experience of OLED fabrication. The SID has no formal link with COLAE but I'm sure some of the courses will be of interest to SID members. Details can be found at www.colae.eu

Finally, I am pleased to announce that Dr. Alasdair Campbell of Imperial College is taking over the Chairman's role and will be formally confirmed at this spring's AGM. Alasdair is currently a Reader in Solid State Physics in the Department of Physics at Imperial College and is also part of the college-wide Centre for Plastic Electronics (CPE). He is a member of the Institute of Physics (IoP) and has been Vice-Chair of the SID UK and Ireland Chapter.

With many thanks to my fellow committee members, all volunteers, for their hard work and support over the past year.

Myrddin

Please send us your nominations for the 2014 Ben Sturgeon Award by 31 March 2014.

[Click for details](#)

An EU project called COLAE (Commercialising Organic and Large Area Electronics), aiming to 'simplify and speed up the commercialisation and adoption of organic electronics technology through the creation of industry clusters' is providing training courses on OLAE technology. One of the courses will be held at CPI in Sedgfield in March, focussing on hands-on expertise in the operation

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EURODISPLAY 2013

Short report on the conference

16th to 19th September 2013

Contributions by Myrddin Jones and John Mansell

EuroDisplay 13 which was co-sponsored by the Society for Information Display and the Institute of Physics, took place at Imperial College, London and was attended by over 190 delegates. The conference programme consisted of a Monday workshop on the topic of 'Organic Electronics', followed by a three-day symposium, a student poster competition and an exhibition.



*Brian Berkely
SID President*

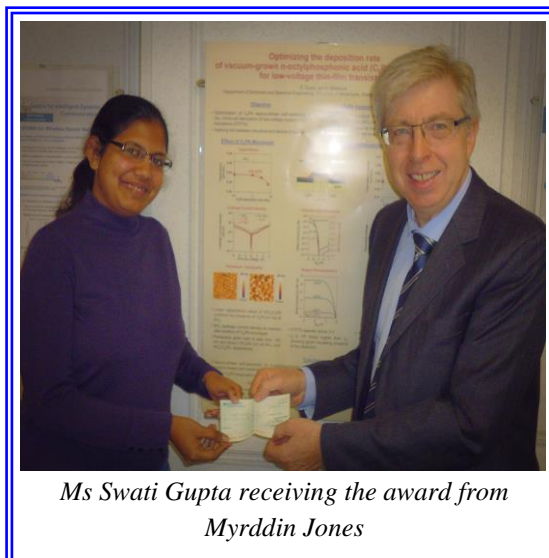
The symposium was opened by Brian Berkely, President of SID, in the opening plenary session. The conference continued with two parallel sessions covering all aspects of display technology. The comprehensive programme included OLEDs, LEDs, LCDs, flexible circuits, backlights, sensors, materials and nanotechnology. It attracted speakers from some 16 countries.

Over 190 people came together for the conference and workshop to take advantage of the unique opportunity to learn about the latest and future developments in display technologies.

Although speakers came from 16 countries all over the world, the event offered a uniquely focused look at the work now being done at companies and universities in Europe.

The program provided a concentrated insight into the part that Europe and the UK in particular continue to play in the invention and development of cutting-edge display technologies. A report of the meeting can be found in Information Display Volume 29, No. 6.

The event also included a student poster competition, which attracted 42 entries. Ms. Swati Gupta from the Department of Electronic and Electrical Engineering at the University of Strathclyde won the prize. Swati's poster, titled "Optimizing the deposition rate of vacuum grown n-octylphosphonic acid monolayer for low voltage thin-film transistors" was unanimously selected by the programme committee to receive the



*Ms Swati Gupta receiving the award from
Myrddin Jones*

conference's European Student prize. The prize of €500 was open to student work carried out at an EU Institution. Many congratulations to Swati on her achievement.

The social programme included a reception on the evening of Tuesday 17th September and a Thames Dinner River Cruise on 18th. From Westminster Pier, the boat travelled up stream to Battersea and then downstream through the Thames barrier before returning to Westminster. Delegates had an excellent opportunity to see many of the Thames landmarks by night.

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BEN STURGEON AWARD 2013

Dr Jamieson Christmas, Chief Technology Officer of Two Trees Photonics, has won the Ben Sturgeon Award for 2013. The award was presented by the Chapter Director, Dr Sally Day at the, EuroDisplay 2013 conference held at Imperial College London on 16th to 19th September, 2013.



*Dr Jamieson Christmas receiving his award from
Dr Sally Day*

Jamieson graduated from Anglia Ruskin University in 2001 with a first class honours degree in Electronic/Electrical Engineering after studying for four years part time.

In parallel with this, he pursued a career as an Engineer and Project Leader at the UK arm of ALPS Electric Co. Ltd, the global manufacturer of electronic subassemblies for consumer, automotive and communications markets. He rose to become the Engineering Manager and Chief Engineer of ALPS UK.

He began his PhD studies in the Electrical Engineering Division of Cambridge University Engineering Department in 2004, where his chosen field of study was video-projection displays using liquid-crystal phase-only holograms. He played a substantial role in the day to day operations of the Centre for Advanced Photonics and Electronics (CAPE) that was established with industrial support in the Electrical Engineering Department in Cambridge University. He served on the Technical Strategy Committee and represented the interests of one of its major industrial sponsors, ALPS Electric Co. Ltd.

In 2009, Jamieson co-founded the company Two Trees Photonics Ltd., where his roles are Chief Technology Officer and Company Director. The company is developing products based on phase only dynamic holography using Liquid Crystal over Silicon (LCoS) devices. Display modules designed by Jamieson and built by the company have now established that this technology can greatly reduce the size and power consumption of projection displays.

RANK PRIZE FUND

The Rank Prize Funds (www.rankprize.org) were established in 1972 by the late Lord J Arthur Rank shortly before his death. The objective of the funds is the advancement and promotion of a number of aspects of science for the public benefit. One of the bequests provided funds in support of optoelectronics.

The UK & Ireland Chapter was originally approached by the then chairman of the optoelectronics committee, Professor Cyril Hilsom CBE FRS FREng, to consider supporting the scheme.

The UKI Chapter has donated £1,200 to support 'Colour vision and displays' tools and teaching. Four schools in Wales are involved in the UKI scheme. The colour vision and displays set of activities is designed to introduce pupils to colour

vision, additive mixing of primary colours, how this is used in colour displays, such as LCDs and how an LCD actually works

BEN STURGEON AWARD 2014

**Nominations should be submitted by
31st March 2014**
[Details on chapter website](#)

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One-day meeting and Chapter AGM

RUGGEDISED DISPLAYS

Wednesday, 7th May 2014
Visteon Technical Centre

31 Springfield Lyons Approach, Chelmsford, Essex, CM2 5LB

Abstract

The use of flat panel display technologies has seen exponential growth in the consumer market over the last few years. Moreover, global demand for LCD televisions, mobile phones, tablet computers and other similar products shows no sign of abating.

The use of such displays in more challenging environments has increased at a similar rate. The demand from the automotive, aerospace, marine, military and industrial markets continues to grow rapidly. However, such markets have their own specific requirements concerning robustness, reliability, readability and performance

Consequently, the design of these ruggedised displays requires careful consideration. The meeting will discuss the specific customer requirements and challenges faced in designing and testing display technologies for use in such markets and environments, with speakers from global display suppliers, touch technology developers, display users and academics providing their views.

[Click for unapproved AGM 2013 Minutes](#)

Photo: vitéz David Mansell

Intended audience:

- Engineers, developers, designers and managers from equipment-design companies
- Universities and companies developing new technologies and process innovations
- OEMs
- Display-component suppliers and integrators

Inland Revenue

A reminder that if you pay the SID annual subscription yourself, you can claim it as an expense. on your UK tax return This is approved by HM Revenue & Customs for the purposes of Section 344 ITEPA 2003. SID appears on the list of professional bodies and learned societies as 'Information Display, Soc. of' www.hmrc.gov.uk/list3/list3.pdf

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CONFERENCE CALENDAR

SID-ME 2014
SID Mid-Europe Chapter Spring Meeting 2014
April 7-8, 2014
Istanbul, Turkey
sidme2014.sabanciuniv.edu

Ruggedised Displays
One-day technical meeting and UKI AGM
May 7th, 2014
Visteon Technical Centre, Chelmsford, UK
<http://www.sid.org/Chapters/uki/UKIForthcomingMeetings.aspx>

Display Week 2014
International Symposium, Seminar and Exhibition
June 1-6, 2014, San Diego, California
Exhibition: June 3-5, 2014
San Diego Convention Center
www.displayweek.org

iMiD 2014
The 14th International Meeting on Information Display
26-29 August 2014
EXCO, Daegu, Korea
imid.or.kr

**1st International Conference on Photoalignment and Photopatterning
in Soft Materials:
Basic Understanding and applications**
29 November – 2 December 2014
Hong Kong
<http://pohsm2014.ust.hk>

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