

Volume 2. Issue 2. March/April 2009

# Newsletter

The Society of Light and Lighting  
Part of the Chartered Institution of Building Services Engineers





# Editorial

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There are two big events to read about in this Newsletter. The centennial Young Lighter of the Year competition had some exceptional entries this year and it is a pity that we had to limit the number of finalists to five. The event was also very well attended and this may be due to holding it in the main area of the ARC Show. The exhibition, itself, whilst smaller than last year had some good quality

exhibitors. I found myself stopping at most stands to see what was there. Some trade shows suffer from having too many “me too” exhibitors where one can walk a whole aisle without stopping.

At the end of the first day, the SLL sponsored a drinks reception and several other manufacturers had mini receptions of their own. Suffice it to say that a good time was had by all.

The Lighting Design Awards is always a big event both in numbers and the gathering of top designers & manufacturers. Both winners and short-listed projects are in this issue. As always, one of them will be covered in greater depth in the next Newsletter. There is a Low Carbon category and all the projects entered demonstrate that there need not be any conflict between energy efficiency and aesthetics.

Have a look at the nominations for Officers and Council. Is there anyone you know who should be on there? You can nominate names up to the 4 May.

ILE readers might want to glance at the LR&T review. There is plenty there to interest them which is of direct relevance to their day to day work.

# Secretary's Column

It is my privilege to be writing this column for the first edition of the Newsletter in our Centenary year. Much credit for the formation of the Illuminating Engineering Society in February 1909 has to be given to Leon Gaster; it was his vision to create “a common platform where all those interested in illumination may be able to express their views in a free and informal manner” that led to the informal dinner at the Crierion restaurant on 9th February 1909, followed by the first formal meeting on November 18th at the RSA. It is fitting that in our Centenary year, our AGM will be held at the RSA and a celebration dinner will be held at the Criterion in November. Incidentally, Gaster remained Honorary Secretary of the IES until his death in 1928. I have no plans to emulate him!

Whilst on the subject of the Centenary, there is a full list of events on the back page but I would draw your attention at this stage to the LR&T Symposium in June. There will be a special LR&T coming out this year on low energy lighting and this symposium will bring together all those papers and hopefully stimulate an interesting debate. It's being held in conjunction with the NPL and there is an early-bird booking discount available until April 17th. The price is just £50 for the full day, including lunch. After April 17th, the price will rise to £75. Spaces are limited so you have extra reason to book early! More details about this and the other events will be made available on the Centenary page on the SLL website. There is also a Centenary Diary card available listing all of the events – collect one from any SLL event.

Front Cover: Web of Light by Chinese artist Ai Weiwei. Lighting design by Arup Lighting. Photo by David Millington Photography”.

As some of you will know, we kicked off the centenary celebrations at ARC exhibition in Earls Court. For those of you who joined us at the launch party, I hope you enjoyed yourselves, the photos seem to portray so. We will be hosting all the photos from our events via the SLL website. Alan has written more about the ARC party elsewhere but I would just like to record special thanks at this stage to Helen Loomes and her team of willing helpers who have done such a marvellous job in coordinating the events and activities for the Centenary.

The ARC party was preceded by another fantastic Young Lighter of the Year Final. With a record number of entries again this year, the five finalists produced papers of the highest quality on a range of subjects. I know it was the first time that many – if not all – of them had presented in public and this task should not be underestimated, but they all delivered professional and interesting papers. More relevantly, it's heartening to see young people being so enthused about lighting and the Society.

In response to the massive interest in the competition in the last few years, it has been decided to hold two 'semi-finals' for the 2010 competition, in Birmingham and London. The Society is always trying to engage more with its Regions and it is hoped that this will not only encourage more young people to enter, but also it offers the Society an opportunity to showcase the talent within the industry to an even greater extent. This does mean a slight change to the timetable though and the deadline for the 300-word synopsis is Friday 12th June 2009. Entry requirements and application forms can be found on the SLL website or you can email me for details. I hope we can set another record for entries this year!

By the time you read this, Ready Steady Light will have taken place. Once again, we've had a massive response to this fantastic competition and it's especially pleasing to see so many independent consultancies entering. For some time, we've been discussing the idea of taking the competition further



afield and I'm hopeful that this may become a reality next year with a 'Ready Steady Light heads North' in addition to the annual event at Rose Bruford. Plans are in their early stages but it would be fabulous if we can recreate one of the showcase events of the year away from the South East.

The other events we stage in the Regions are, of course, the Masterclasses. These have been a tremendous success again this year and we finish the 2008-9 series with trips to Dublin, York and London. It's only the second time we've staged one in London but it was felt appropriate to finish the series there. We are already planning the 2009-10 events and hope to be visiting Manchester, Glasgow, Newcastle, Portsmouth, Leicester and Telford among others so hopefully there'll be somewhere for everyone!

Finally, we are always looking for members to become involved with the Society, so if you would like your say on how the Society is run or would like to make a contribution to any of the committees or publication task groups, please get in touch. The nominations for election to SLL Council are now open and this is a perfect platform to start your involvement!

Liz  
lpeck@cibse.org

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# Young Lighters and ARC 09 review

The five finalists who presented papers were:

“The Lantern Effect” Aniket Gore, Maurice Brill

“Lighting and the Perception of Safety” Natalie Bell,  
Kevan Shaw

“Sculpture lighting in museums and galleries: the  
visitor’s perspective” Anna Sbokou, NDY Light

“Mood Lighting: How are dramatically changing lighting  
effects influencing mood and emotion when applied to  
architectural lighting?” Klara Dunkel, The Bartlett

“A Study of Photosynthesis under Artificial Lighting”  
Patrick Crowley, Dublin Institute of Technology. Patrick was  
winner of the Irish Young Lighters competition.





This was a very well attended event with maybe 80 in the audience including Mark Major and Howard Brandston who sat through the whole event. Hopefully, none of the YLs recognised them otherwise their nerves would have really got to them. Each young lighter gave a 15 minute presentation.

Aniket discussed how a building at night with its lights on resembles a glowing coach lantern. He then mentioned how a building can look totally different between night and day. For example, a building with strong vertical elements (external fins, lift shafts, risers etc) is completely changed at night because the illuminated offices are separated by each dark storey and hence there is a strong horizontal element to the night time appearance. He also mentioned that there was often so much spill light from inside that there was no need for external perimeter lighting. Values of 40 lux were not unusual. The effect also contributed to skyglow. The kick in the tail came with his conclusion which was that most modern buildings are heavily glazed and hence the spill light was inevitable unless you took specific measures to avoid it.

Patrick discussed photosynthesis and how to promote it. The ideal spectrum for growth is just about the exact opposite of the V lamda eye response curve and so regular luxmeters are of no use. He then showed the results of experiments with different lamps at promoting plant growth. The drug squad has prevented me from printing his conclusions. A neat piece of serendipity is that Patrick was discussing his work with another tutor at DIT and Patrick been invited to NASA in the summer to discuss growing plants on Mars. How exciting is that?

All the papers were of an extremely high quality but my favourite was by Natalie Bell. She researched how the lighting of a public space, like a park, gave an impression of whether it was safe. This was compared with crime figures to see if the impression was correct. A large part of the research was questioning members of the public as they crossed a rather dodgy park in Leith, Edinburgh both by day and night. Although the area is seen as up and coming, in her words "... this park is renowned as a meeting place for prostitutes and alcoholics in the evening and therefore brings the overall perception of the area down to a lower level than deserved". That's what you call dedication to research.

Natalie also researched one of the best recent

regeneration projects involving lighting, that of Liverpool One by BDP.

All the finalists receive a cheque for £300 from the SLL. Congratulations are due to all of them. The ILE award for the best written paper went to Aniket Gore. The Worshipful Company of Lightmongers award for the best presented paper went to Natalie Bell.

## The ARCshow

This year it was at Earl's Court II. More than one person I know shot off to Islington before realising their mistake. Doh!

I don't have the numbers but it seemed to have fewer exhibitors this year. However, there were some serious quality manufacturers there as well as some of the big lamp guys like Philips and Osram. It was possible to find luminaires that didn't contain LEDs, but only just.

More importantly, some manufacturers are, at long last, taking the advantages and disadvantages of LEDs seriously. For example, Mike Stone Lighting luminaires all have replaceable LEDs. If an LED fails because; it is slightly the wrong tint, you want to change the CCT, you want to change the colour, you simply change the LED not throw the whole fitting away. Why doesn't every manufacturer do that? Sustainable design and green credentials don't count for anything if you have to throw away the whole luminaire just because an LED module fails.

Another trend much in evidence is pixellated screens so that you can project images, colours, patterns and movement on to just about any surface you want. Although the electronics involved is horribly complex just about anyone can get an image or video uploaded. No different from a 10 year old sending a photo from a mobile phone, really. The same technology that gave us colour changing LEDs is now moving to video. Expect more buildings to be blighted by enthusiastic clients with no visual sense.

There were a lot of free seminars to attend at ARC including a series on "Lighting for social identity" organised by the ILE. There were also presentations by various manufactures. However, they were held in the main exhibition hall which is great for attracting passing visitors. The big disadvantage was that the PA system had to be turned up to high volume to be heard over the background noise of the exhibition. The IALD also had a series of seminars but entry was by paid ticket and hence the presentations were held in a partitioned area which was a lot quieter.

## Report by A Tulla



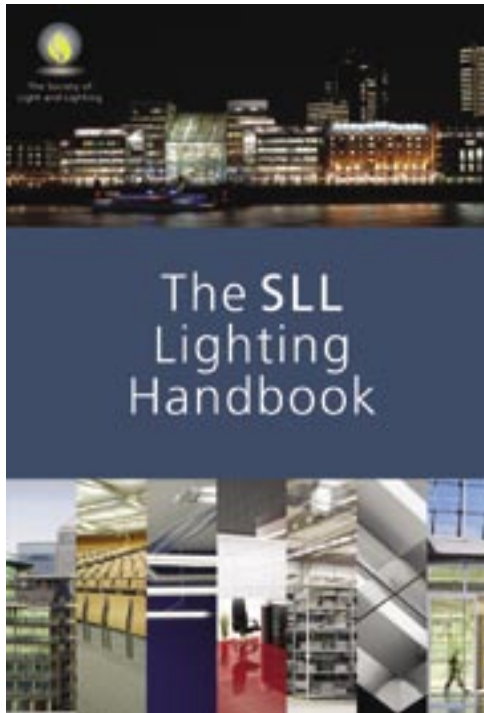
# London Sessional 20 January

Presented by Peter Raynham and Lou Bedocs

This was on the topic of the SLL Code and Lighting Application Standards. Peter quickly discussed the basic 31 lighting Standards we should be aware of. In addition, there are another 50 – 60 standards that apply to products and components.

There was then a very useful explanation of the work of the CIE and CEN working groups. Moving on to EN12464 and to the three new sections on lighting design criteria. These are; the illuminance grid, lighting in the interior space and variability in lighting. This last addition considers variability in colour and intensity to support the health, emotion and stimulation of people in the workplace.

He was pleased to announce the restarting of CEN Working Group 5 which is a joint WG with CEN TC 226. Dave Coatham has agreed to be the new convenor and is working on revisions to EN13201 series.



Finally, Peter moved on to the launch of the 2009 SLL Code for Lighting. The Code is revised every three years, much more frequently than other Codes. The reason for this is to keep abreast of changes to other relevant standards and codes. It should be available in about three months. Note that it will only be available on CD.

Readers should know already, but it is worth repeating, that the Code for Lighting contains all the LGs plus other relevant documents. E.g you will find: Lighting Guides 1, 7, 9, 12; the Obtrusive Light guide, Fibre Optic and Remote Source Lighting, LIF Technical Statements and various Factfiles.

Peter and Lou's full presentation is available on the SLL website.

The SLL Lighting Handbook should be available by the time you read this Newsletter.

**Report by Alan Tulla**

## Nominations for Officers and Council

The Society's Executive Committee has made the following nominations for 2009-10:

|                                    |                     |
|------------------------------------|---------------------|
| President (already elected):       | Stephen Lisk        |
| President Elect:                   | Alan Tulla          |
| Vice President:                    | Peter Raynham       |
| Vice President (Regions):          | Steve Langford      |
| Vice President (External affairs): | Iain Macrae         |
| Hon Treasurer:                     | Cliff Shoebridge    |
| Corporate member:                  | Bob Bohannan        |
|                                    | Theo Paradise-Hirst |
| Non-corporate member:              | No vacancy          |

You are invited to submit further names for all positions except President, in the usual way, to reach the Secretary by Monday 4th May 2009. In the event that there are more candidates than vacancies for any post it will be necessary to arrange a ballot.

Please note that all nominations must be in writing and signed by the person being nominated and two proposers, who must be members of the Society of any class.

**Liz Peck**  
**Secretary**

# Lighting Design Awards 2009 Winners.

The winners were announced at the awards ceremony in the London Hilton, Park Lane on Thursday 12 March. Projects include the exterior and interior of one of Britain's greatest cathedrals, a 50m wide public artwork, an airline lounge and a luxury apartment in The Strand. A full report will be in the May/June Newsletter.

The winning projects are highlighted below.

**Lighting Designer of the Year**, sponsored by DW Windsor:  
**Winner:** Lee Prince, partner of Light + Design Associates. Light + Design Associates also triumphed in the Heritage category and were Highly Commended in the Exterior category.

**Low Carbon**, sponsored by Etap Lighting:  
**Winner:** Pinniger & Partners for British Airways CIP Lounges, Terminal 5, Heathrow Airport.  
**Highly Commended:** Faber Maunsell Lighting for The Stephen Lawrence Centre  
**Shortlisted:** Kate Wilkins Lighting Designers for Nandos Restaurant, George Street

**Residential**, sponsored by Concord:  
**Winner:** Firefly Lighting for Strand Residence, London  
**Highly Commended:** Lighting Design International for Limerick House Spa  
**Shortlisted:** Lighting Design International for Private apartment, Chelsea

**Retail**, sponsored by Conciluce:  
**Winner:** dpa lighting design for Niketown, London  
**Highly Commended:** Light + Design Associates for Banana Republic, Regent Street, London  
**Shortlisted:** Cinimod Studio for Snog Pure Frozen Yogurt Store, South Kensington

**Special Projects**, sponsored by Cooper:  
**Winner:** Arup Lighting for Web of Light  
**Highly Commended:** Jason Bruges Studio for Pixel Cloud  
**Commended:** Light + Design Associates for Cisco Systems HQ

**Workplace Lighting**, sponsored by Wila:  
**Winner:** Maurice Brill Lighting Design for 133 Houndsditch, London  
**Highly Commended:** NDYLight for The Yellow Building, Monsoon Headquarters, London  
**Shortlisted:** Fulcrum Consulting for The Forum, Fulcrum Consulting

**International Projects**, sponsored by Oldham Lighting:  
**Winner:** Speirs and Major Associates for Armani Ginza Tower, Tokyo, Japan  
**Highly Commended:** Speirs and Major Associates for Sheikh Zayed Bin Sultan Al Nahyan Mosque Interior, Abu Dubai  
**Commended:** Licht Kunst Licht AG for The New Federal State Parliament for the Principedom Liechtenstein

**Heritage**, sponsored by Dyalite:  
**Winner:** Light + Design Associates for the interior of Salisbury Cathedral  
**Highly Commended:** Speirs and Major Associates for Royal Festival Hall, London  
**Shortlisted:** David Atkinson Lighting Design for Eurostar - Business Premier Lounge

**Lighting For Leisure**, sponsored by Lutron Lighting Controls:  
**Winner:** Light + Design Associates for Gymbox 3  
**Shortlisted:** BDP Lighting for Liverpool ONE Leisure Lighting  
**Shortlisted:** Lighting Design International for The Spa at Gleneagles by ESPA



### Public Buildings

**Winner:** Kevan Shaw Lighting Design for The Public, West Bromwich

**Highly Commended:** dha designs for The William and Judith Bollinger Jewellery Gallery

**Shortlisted:** Speirs and Major Associates for Terminal 5, Heathrow Airport

### Hotel & Restaurants

**Winner:** Elektra Lighting Design for The Studio, Andaz

**Shortlisted:** dpa lighting design for Connaught Bar, London

**Shortlisted:** dpa lighting consultants for The Landau Restaurant at the Langham Hotel, London

**Exterior Lighting**, sponsored by Philips Lighting:

**Winner:** Pritchard Themis for Q House

**Highly Commended:** Light + Design Associates for Salisbury Cathedral

**Shortlisted:** Light Bureau for Farnborough Business Park

**Interior Luminaires**, sponsored by Lumicom and Recolight:

**Winner:** Luxo UK for Luxo Ninety

**Highly Commended:** Deltalight for Power Flower

**Commended:** WILA Lighting for Xonic

### Exterior Luminaires

**Winner:** Martin Professional for Exterior 1200 Image Projector

**Highly Commended:** WE-EF Lighting for RFL500 Series with One LED Concept

**Commended:** Indal WRTL for Stela

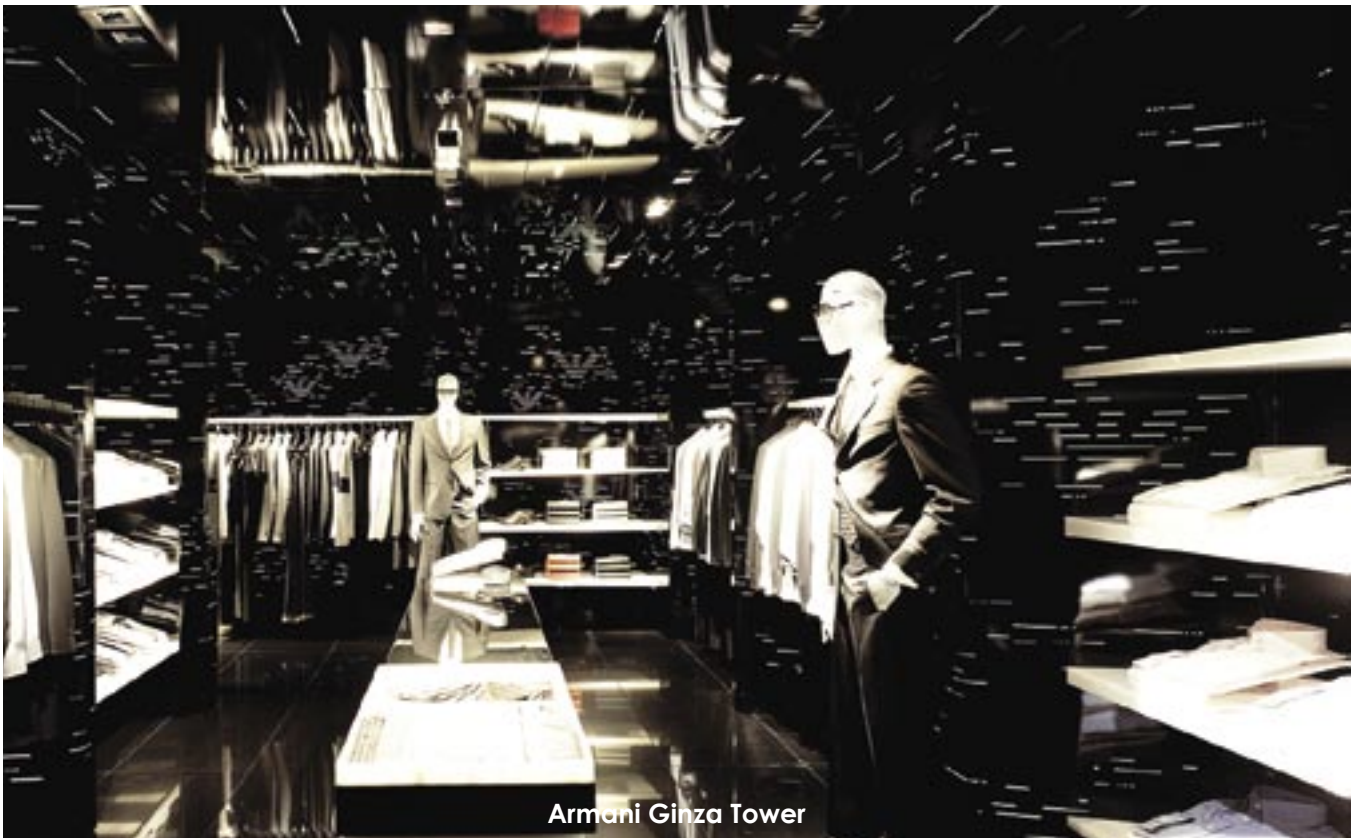
### Light Sources and Control Gear

**Winner:** Solid State Lighting for VIO High Power White LED, by GE Consumer & Industrial

**Highly Commended:** Jordan Reflectors for Galaxy Reflector

**Commended:** Philips for Affinium LED Freezer module

The Lighting Design Awards are sponsored by: Cooper, Conciluce, Concord, DW Windsor, Dynalite, Etap, Ex-Or, Lumicom, Lutron, Oldham Lighting, Philips, Recolight, WILA. In association with: PLDA and supported by ILE, LIF and IALD.



Armani Ginza Tower



# Sponsors and sustaining members

The SLL could not offer nearly as many services without the help and support of its supporters. We are grateful to the following companies:

## Sponsors in Partnership

Holophane Europe  
iGuzzini Illuminazione  
Philips Lighting  
Thorn Lighting

## Sustaining Members

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Chroma Lighting (NI)  
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Erco Lighting  
ETAP Lighting  
Faber Maunsell  
Fagerhult Lighting  
Future Designs  
Hoare Lea Lighting  
Marlow Integrated Designs  
Patina Lighting  
Project Lighting  
Ridi Lighting  
Thorlux Lighting  
TridonicAtco UK  
TRILUX Lighting  
Whitecroft Lighting  
WILA Lighting

# CPD – Are you doing your bit?

As a learned Society, our members are required to maintain their professional competence throughout their career.

Continuing Professional Development means the systematic maintenance, improvement and broadening of your knowledge and skills. It is about learning and putting into practice new competences year after year, and investing in your future. CPD is also about planning, capturing and evaluating your learning and, as your career develops, about assisting the professional development of others.

The emergence of new demands and priorities in the profession – for example, using sustainable technologies – forces you to develop new professional competences. Changes in regulations mean not only updating yourself on what those changes are, but also understanding how they will impact on your work. Equally, new challenges at work have the potential to broaden your experience and thus your professional effectiveness.

When you change job roles or move employers there is an even steeper learning curve. Often a new job brings increased responsibility for the work of others, and demands a rapid and systematic upgrading of your management skills. Increasing seniority will require leadership skills, as well as training, developing and mentoring others. All of these, if they are to be done well, demand new learning on your part.

Aside from these external factors, your own decisions about career aims and aspirations will be decisive in shaping your CPD. What you know about your own strengths and weaknesses will strongly influence the direction you take: sometimes an annual performance appraisal will prompt this

kind of self-examination. It is a mistake to use CPD just to 'fill the gaps' in what you know and can do. Try to ensure that building on your strengths drives some of the development activities you choose. CPD goes on all day, every day. Every time you face a new challenge, find out about a new component, talk to a client or read the technical press, you are engaged in learning.

The Society believes that professional development is not limited to attending formal lectures and seminars. This belief is reflected in the categories under which it classifies CPD:

- On-the-job learning
- Private reading and study – including the CIBSE Journal and SLL Newsletter
- In-house conferences and meetings
- CIBSE Regional or Group meetings
- CIBSE and SLL technical meetings
- Academic studies including vocational qualifications
- Professional Institutional committee work
- Writing papers and articles
- Occasional lecturing
- Distance learning
- Assisting and supporting others
- Actively contributing to science and engineering groups in education

As an individual professional it is essential for your development plan to be wholly owned by you. So if you are employed in a large organisation you need to think about the ways in which your employer, directly or indirectly, supports

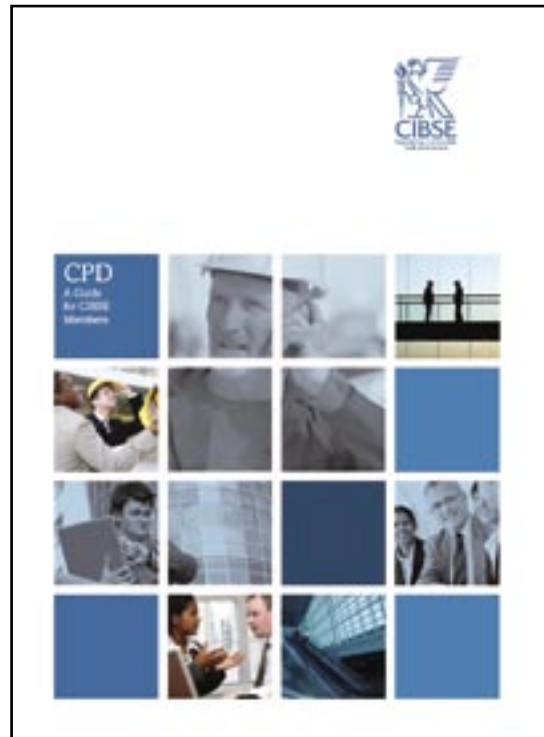
your CPD and ensure your employer is aware of how your SLL membership benefits them. You can decide the form that your records will take. There are numerous models to work from and most share the same basic features and perform a similar function.

The Society makes regular spot checks on its members' CPD activity. All members of corporate grade (Associate Member, Member & Fellow) have an obligation to maintain a CPD record. For non-corporate grade members (Associate, Student), CPD can provide you with the platform you need to transfer to a corporate grade and receive professional recognition.

If we ask to see your CPD record, we will accept up-to date information in any of the following formats:

- The CPD Planning and Evaluation Record available on the SLL website on the CPD page
- Records created using pro forma from other professional bodies
- The form specified by your current or previous employer
- An achievement record template from a college or university

If you have any questions about your CPD activity, please contact **Liz Peck**.



# Lighting Research and Technology

Volume 40, No 4

This is the first LR&T edited by Dr David Carter who has taken over from David Loe. Don't forget that SLL members can now access these papers online via the SLL website.

Most probably the most interesting for ILE and SLL readers is that by Soardo et al concerning light pollution from streetlighting in towns and cities. His research shows that flat glass lanterns have little effect on upward light and can actually make matters worse. He concerns himself with lighting in cities where the lanterns are, in effect, in cavities produced by the roads and high buildings. Due to the inter-reflection between the building surfaces and the road, these cavities produce a single Lambertian distribution which overrides the photometry of individual lanterns. Moreover, at anything more than short viewing distances, the whole city can be considered as a single light source with an optical distribution equal to the sum of the individual lanterns/ cavities.

The issue of sky glow then becomes one of total upward flux. As is well known to street lighting engineers, flat glass lanterns tend to be closer together and produce higher road illuminances because of the need to achieve

satisfactory longitudinal uniformity. In some instances, therefore, flat glass lantern installations not only cost more but increase sky pollution.

Related to the above is a paper on dimming ceramic metal halide lamps in relation to life, colour rendering and lumen maintenance. The results indicate that dimming causes no significant differences in the above and this leads to possible implications for energy saving in road lighting.

Elsewhere, there are four papers concerning daylighting in buildings. Three describe work on complex systems intended to increase daylight penetration. The fourth discusses sunlight in urban areas and methods for assessing turbidity.

Finally, there is a paper of the affect of the recently discovered additional retinal photoreceptor on some aspects of lighting practice.

**Report by A Tulla**

## Contents

"Estimating spectral information of complex fenestration systems in a video goniophotometer". EC Stokes, N Gayeski

and M Andersen.

“Computer simulation study of a horizontal light pipe integrated with laser cut panels in a dense urban environment”. CM Kwok and TM Chung

“Compatibility of road lighting with star visibility”. P Soardo, P Iacomussi, G Rossi and L Fellin.

“Indoor illumination by solar light collectors”. P Sansoni, F Francini, D Fontani, L Mercatelli and D Jafrancesco.

“Effects of dimming 150w ceramic metal halide lamps on efficacy, reliability and lifetime”. EC Guest, MH Girach, SA Mucklejohn and U Rast.

“A physical model of the atmospheric aerosol turbidity for estimating the illuminance of direct sunlight”. AD Brown.

Correspondence on the new retinal photo receptor by SM Berman.

## In Brief and Letters

### The latest light source - nappy rash cream

A slightly misleading headline I came across from an online news search, but I couldn't resist it. It turns out that zinc oxide (the main constituent of nappy cream and suntan lotion) has long been known as a light emitter when irradiated by UV light. However, when made of nanometre sized particles and doped with sulphur, it can emit light by simply applying a voltage. The light is said to be a better quality than achieved by LEDs.

The research is being done by Dukes University and the US Army. One benefit of the zinc oxide light source, according to the scientists, is that it doesn't expose front line soldiers to mercury or broken glass from fluorescent lamps.

### Pretentious, Moi?

Overheard at ARC09 during the post-show reception: someone contrasting the time taken for a commercial design project with RSL. “I love Ready Steady Light. The lighting designs are done so fast, it's like stir fry compared to cassoulet”. Someone, other than me, knows who said it.

### Not everyone understands sustainability

One of Britain's top lighters was at a sustainability conference recently. In the conference pack was a pen with a rubber ball on the end – bash it on the desk and the LEDs inside light up. Great fun for a three year old. Half the pens were in the bin before the day was out. I'm not quite sure if the organiser understood the topic.

### “Lights go out as Britain bids farewell to the traditional bulb”

Was the headline on the Daily mail on 5 January. I loved the line about householders stockpiling bulbs for years to come or selling them on Ebay at inflated prices. Also, “It has kept Britain illuminated through disasters, recessions and world wars for more than 120 years.” To be fair, they do mention savings in energy equivalent to a 1GW coal-fired power station. Equivalent to 5M tonnes of CO2. They were also giving away 25,000 GLS lamps. Maybe that's where the shortages come from.

Don't forget, no more 100w this year, 60w in 2010 and 25w & 40w in 2011. Order your commemoration tabloid now.

### “Wife dumps Lamps”

Was the headline on a couple of national newspapers. I was surprised that such a mundane subject hit the headlines of the redtops. Maybe one of those “spy in a bin” stories? But no, on closer reading it was about a footballer, Frank Lampard.

### Spring's green ideas

Ever thought of making venetian blinds with pv cells so that the more you shade the room, the more electricity you generate? How about encasing a memory stick in concrete so that the toxic metals inside don't leach out when it is dumped? If you are into conceptual art, how about a cfl lamp in the shape of a gls filament? All this and many more serious and not so serious products can be found at [www.greenergadgets.com/index.php/design-competition/](http://www.greenergadgets.com/index.php/design-competition/).

### Addendum

In the review of Margaret Halstead's life, we should have mentioned that she was the first female president of the CIBSE Lighting Division.

### Letter from Ray Burgin concerning GLS lamps

I found this pdf document which, I think, is quite a useful summary of the EU position: [http://ec.europa.eu/energy/efficiency/ecodesign/doc/committee/2008\\_12\\_08\\_technical\\_briefing\\_household\\_lamps.pdf](http://ec.europa.eu/energy/efficiency/ecodesign/doc/committee/2008_12_08_technical_briefing_household_lamps.pdf)

There's more on this site: [http://ec.europa.eu/energy/efficiency/ecodesign/regulatory\\_committee\\_en.htm](http://ec.europa.eu/energy/efficiency/ecodesign/regulatory_committee_en.htm) including a link to the Draft Regulation, which despite what they claim will be expensive to police. Some of the Functionality Requirements in Annex II para 2 are disappointing and the life tests at 1 minute on 3 minutes off will take forever.

# Events NL 2 2009

## 12 March

Lighting Design Awards  
London Hilton Park Lane  
[www.thelightingawards.com](http://www.thelightingawards.com)

## 12 March

Centenary Masterclass,  
Dublin

## 17 March

Lighting and Health  
One day seminar at  
Barbican  
[www.ile-events.org.uk](http://www.ile-events.org.uk)

## 17 March

London Sessional  
Active Daylight systems  
– by Lledo group  
17.30 for 18.00 start.

## 18 March

Ready Steady Light  
Rose Bruford College,  
Sidcup  
[mike.simpson@philips.com](mailto:mike.simpson@philips.com)  
for details.

## 16 April

Centenary Masterclass,  
York Racecourse

## 21 April

London sessional  
Office lighting  
NB: 13.30 for 14.00 start.

## 28/29 April

CIBSE National  
Conference  
Russell Hotel  
London  
[www.cibse.org/nationalconference](http://www.cibse.org/nationalconference)

## 5-7 May

Lightfair  
New York  
[www.lightfair.com](http://www.lightfair.com)

## 13 May

Centenary Masterclass,  
London

## 16 – 19 May

Showlight  
BBC HQ Glasgow  
[www.showlight.org](http://www.showlight.org)

## 19 May

SLL Centenary AGM and  
book launch.  
Royal Society of Arts

## 2 June

JUL – Dynamic Digital  
facades  
BDP London  
[www.ile-events.org.uk](http://www.ile-events.org.uk)

## 18 June

LR&T Symposium Event  
In conjunction with the NPL  
HMS Belfast

## 22 Sept

SLL Centenary & CIBSE  
Annual lecture  
The Royal Institution

## 27-29 Sept

Light Middle East  
Dubai  
[www.lightmiddleeast.com](http://www.lightmiddleeast.com)

## 18 Nov

Centenary Celebration  
dinner  
The Criterion

**Masterclasses** are kindly sponsored by Holophane, iGuzzini, Philips and Thorn. Topics covered this year: "Optic design & Technology", "Circadian Rhythms & Dynamic Light", "LED update and Lighting controls", "Light pollution". For details, see the website ([www.sll.org.uk](http://www.sll.org.uk)).

**Mid Career College** runs various courses across the whole spectrum of lighting and at sites across the UK. For the full list, see [www.mid-career-college.ac.uk](http://www.mid-career-college.ac.uk) for details. Topics include: emergency lighting/Fire Safety and RRO, Retail & Display, using the 2008 Code for Lighting, BS7671, Part P & Part L.

**LIF Courses:** Details from John Hugill, Tel 0208 529 6909, or email [training@lif.co.uk](mailto:training@lif.co.uk)