

## **Teresa Goodman: Report on Sun City**

### **1. Old and New Board and General Assembly Meetings**

I attended the meetings of the old and new Boards, and the General Assembly meeting, in my role as Vice President Publications. The key points of discussion at these meetings were as follows:

- CIE needs to be more aware of, and responsive to, the needs of the major stakeholders. To this end the outgoing President, Franz Hengstberger, and the General Secretary, Martina Paul, have been holding discussions with key bodies (Global Lighting Forum, PLDA, IALD, LUCI, CEN, ISO and others) to establish the 'International Lighting Network'. This is being led by CIE and is intended to provide a more effective interface with industry, particularly with regard to their standardisation issues. It is expected that members will meet on a regular basis (either face-to-face or via virtual meetings) to discuss and agree priority needs and actions. It is hoped that this will help CIE become more relevant and responsive, although it was emphasised by a number of people that it is important, too, that CIE's independence and scientific integrity must be maintained ('the tail mustn't wag the dog').
- Division meetings and Division Directors meetings should be focussed less on reports of progress within TCs and Divisions, and concentrate more on identifying technical trends etc., in order to assist the Board with developing a more coherent strategy for future work and ensure that activities in common theme areas (e.g. LEDs and mesopic photometry) are coordinated between Divisions.
- The establishment of a commercial arm for the CIE (CIE Scientific Services) has resulted in a clear separation between the technical and scientific work (carried out in the Divisions and TCs) and the income generating activities (seminars, publication sales, conferences etc.). The team at the CIE CB has been strengthened to provide a strong business-focus, including a full-time office manager and a part-time IT expert. So far the activities of CIE Scientific Services have been a drain on CIE finances. However a business plan is now in place under which it will move into generating a profit by the end of 2012, and although this is a challenging plan, it does appear to be on track. Ultimately the goal is for CIE Scientific Services to generate sufficient income to enable NC fees to be reduced and even to fund some technical work e.g. a professional editor for some TC reports. Some of the planned commercial activities generated much debate, such as a possible 'CIE quality mark' scheme, and these are to be discussed again at future meetings.
- The CIE Statutes, Bylaws and Codes of Procedure have been updated and simplified. The latter incorporate the new guidelines for TCs, Technical Reports and Standards, etc. that have been introduced during the past few years, and it was stressed that these must be followed by existing TCs as well as by new TCs. In addition, the use of the CollTool has been made mandatory for all TCs, in order to streamline their activities and assist with effective sharing and archiving of information.
- Various ways by which to increase the visibility and technical quality of papers presented at CIE meetings are being considered. It was generally agreed that the strengthened refereeing process followed for this meeting had resulted in a good quality of presentations and this should be continued for all future meetings. Best paper awards, a searchable database of papers from all meetings, and on-line publication of selected papers are also all under consideration.
- Visibility and uptake of CIE Technical Reports also needs to be enhanced. It is hoped that each new publication will be accompanied by a 'training session', which will not only be available for those attending in person, but also be offered electronically to anyone buying or using the report in future.
- The Treasurer stood down at the end of the Session, for work-related reasons, but has not yet been replaced. He reported that the CIE finances are still not particularly healthy, with the

reserves again being used to support operating costs in 2010. However the situation for 2011 is looking more promising.

- Work to update the ILV is nearly complete and it should be published by mid August 2011.
- Feedback on the new schedule used for this quadrennial meeting (conference session in the morning, TC and Division meetings in the afternoon) will shortly be gathered by the CB, and will be used to inform decisions for future meetings.
- Several small Task Groups were set up in order to take forward, or refine, decisions made at the BA and GA meetings. There include:
  - E-Education
  - Conformity assessment
  - Best papers awards
  - Copyright
  - Proceedings database
  - Future updates of ILV
  - OIML
  - Update of the 'History of the CIE' for the centennial celebrations in 2013
  - Code of procedure for CIE conferences and symposia

The dates and venues for key future meetings were agreed:

CIE Conference on lighting quality and energy, Hangzhou, China, 19-21 Sept 2012

CIE Mid-term meeting and centennial celebrations, Paris, France, 12-19 April 2013

CIE 28th Session, Manchester, UK, 26 June – 4 July 2015

## 2. Conference

As noted above, the overall scientific quality of the conference was good, both in terms of the actual presentations and their technical content. The proceedings were made available on memory sticks, rather than hard copies, which was an excellent approach. Most authors had provided their full papers on schedule, so the proceedings are reasonably complete, although another volume containing the various official reports (President, VPT, VPP etc.) as well the missing papers will be produced shortly. There was a good spread of topics, although D6 and D8 were rather poorly represented. It was particularly good to see that there seemed to be an increased emphasis on basic science and technology issues and less emphasis on incremental aspects of the development and use of LEDs and LED products; i.e. it was very much a scientific conference and definitely not a 'trade show'. I presented 2 papers ('The physics of perception: measurement of naturalness' and 'The mesopic lumen: fact or fiction') and was joint author with Steve Fotios for a presented paper ('Proposed UK guidance for lighting of residential roads').

There were a number of points to note for future meetings, particularly the 2015 meeting in Manchester:

- The revised format did achieve the objective of reducing the number of delegates registering just for the Division and TC meetings. However, it didn't seem to affect the number of people attending these, nor did it seem to affect the proportion of people attending the conference talks. In other words, people stuck just to what they were interested in!
- A number of people complained about what they saw as wasted space in their individual timetables – those interested mainly in TC work resented the mornings allocated to the conference and those who had come mainly for the conference and networking objected to the Division and TC meetings in the afternoon.

- An equal number seemed to like the arrangement, saying that they felt they got more out of the papers and the TC meetings because they didn't reach 'saturation point' with either during each day.
- The parallel conference sessions did not work particularly well this time, due to timing issues (all the parallel sessions started late, since there was no time allocated in the programme for moving between rooms).
- Some of the session chairs were rather lax, and allowed some presenters considerably longer than their allocated time, which added to the problems with timing. This was a particular issue with the presented posters.
- The 15 minutes time slots for presented papers were rather short and allowed little time for questions – 20 minutes would be preferable.
- Refreshment breaks were also too short, which meant people tended to 'drift in' to the presentations after they had started, or that session chairs started even later to allow people to sit down etc.
- The timetable had a general feeling of being too compressed. An extra day would have helped considerably, but even adding an extra 30 minutes at the start and end of each day would have been beneficial.
- The planning for the TC meetings was poor, with unnecessary overlaps between Division meetings (e.g. D1 and D2), complementary TC meetings being run in parallel, last minute changes to the schedules, and a restricted number of meeting rooms. These problems could have been minimised if an overall schedule for the Division and TC meetings had been agreed early on, rather than leaving each Division to make its own arrangements independently (this has been done with previous meetings).
- The posters were poorly organised, and there was no dedicated area for posters. Presented posters were only available on the day of presentation and were squeezed into a small space, making them extremely difficult to see. The other posters were available for longer, but were difficult to locate. I didn't actually get to see any of the posters, and many other people made the same complaint.
- There were huge numbers of complaints about the cost of accommodation. The resort hotels were extremely expensive and there were no alternative hotels with public transport links (even with hire cars they were difficult to get too, the closest being 45 minutes drive away).

### **3. Division 2 meetings**

Due to the new schedule used for this conference, the meeting of Division 2 was split into 2 parts held on 2 different days. The outgoing Director, Yoshi Ohno, chaired the majority of the meeting, which involved reports on TC progress, reporterships and liaison activities, while the new Director, Peter Blattner, chaired the final portion relating to new TCs etc. other members of the management team are the 3 Associate Directors (Joanne Zwinkels, George Sauter and Guy Vandermeersch), the Secretary (Armin Sperling) and the Editor (Jim Gardner). The Division is still in the process of implementing the new guidelines for Divisions and TCs, and although some progress has been made with closing inactive TCs there are still a number which have moved forward little in the past few years. Also the review of existing publications has not yet started, and not all TCs are using the CollTool. The new DD undertook to ensure that the guidelines are being followed in full by the next meeting.

As has been the case for the past few years, discussions during the Division 2 meeting and the associated TC meetings were dominated by measurement issues related to LEDs, uncertainty evaluation, mesopic photometry, and array detectors (used both for spectral measurements and for spatially resolved measurements). There is a strong demand coming from the SSL industry for standardised test methods for key parameters, which D2 is seeking to meet through the new TC2-71

chaired by Yoshi Ohno. It has been decided that this will work quickly to produce defined test methods, but will not give the same level of background and justification as is normal with CIE recommendations. Other TCs are working in parallel to produce more traditional reports and measurement (as opposed to test) recommendations.

A total of 10 Division 2 TCs held meetings, covering a range of topics such as characterising the performance of measurement equipment, mesopic photometry (I chair this TC), determination of measurement uncertainties, measurement and testing of LEDs, and new technological developments in measuring equipment. These were all well-attended.

Five new TCs were proposed:

- Further guidelines for uncertainty evaluation
- Measurements for the photobiological safety evaluation of lighting products
- Goniospectroradiometry of sources
- Measurement of curved surfaces
- Characterisation of AC-driven LED products for SSL applications

Three new Reporterships were also established:

- Standard spectra for UV radiometer characterisation
- Metrics for luminous intensity distributions
- Characterisation and measurement of LED lighting sources for dynamic control and health effects

The next meeting of Division 2 will be held in Hangzhou, China, in September 2012, in conjunction with the CIE conference on energy and lighting quality.

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