



Hot Topics

[28th CIE Session Programme & Meeting Schedule](#)

[CIE Gold - Global Open Lab Days \(IYL-GOLD\), May 9-25, 2015](#)

[Call for Papers: 10th Biannual Joint Meeting of the CNC/CIE and CIE/USA](#)

[CIE S 025 Test Method for LED Lamps, LED Luminaires, LED modules, just published \(March 20\)](#)

[New CIE USA web site pages for the CIE and CIE USA Newsletters](#)

Message from the President



As the CIE Quadrennial Session in Manchester, UK approaches, we are preparing for our own Annual Meeting, which will be held jointly with the Canadian National Committee on October 19-20, 2015 in Toronto (see the sidebar with the Call for Papers). This is an especially important

meeting as we will hear reports from Manchester and will elect the CIE/USA leadership for the next four years. The past four years have been spent rebuilding our organization and regaining the financial support necessary to remain a full voting member of CIE. Largely through the exceptional efforts of our Membership Committee and its chair, Jim Leland, we have been able to meet our dues commitment to CIE and will be in good standing as our own Dr. Yoshi Ohno of NIST is inducted as CIE President in July. Continued growth in membership combined with the most favorable exchange rate in years will hopefully allow us to not only remain current, but also to begin to reduce our arrears.

CIE is proposing about a 25% increase in dues over the next four years. There are several proposals on how to structure such an increase, from a single large increase in the first year or two, to a series of smaller increases spread over several years. There is no move to change the use of the UN coefficient as the basis for allocating dues obligations among the National Committees. All of this will be voted on by the General Assembly in Manchester. I recently took part in a CIE WebEx informational meeting that was attended by National Committee representatives from several countries and we are not alone in our concern over the financial costs of CIE membership. It is important that the value of CIE to the lighting communities be clearly articulated if we are to retain the support of our own members.

It is with deep sadness that I must report the recent passing of two long-term CIE leaders: Prof. Janos Schanda who had been a force

Upcoming Events

Display Week 2015,
International Symposium,
Seminar & Exhibition, May 31 -
June 5, 2015, San Jose,
California, San Jose
Convention Center

CIE Quadrennial Session 2015,
28th Session, Manchester, UK,
June 28 - July 4, 2015

10th Biannual Joint Meeting of
the CNC/CIE and CIE/USA,
October 19-20, 2015, Toronto,
Ontario, Canada

Tutorial and Expert
Symposium on CIE LED
Measurements Standard S025,
November 23 - 26, 2015, PTB
Braunschweig, Germany

New Publications

Test Method for LED Lamps,
LED Luminaires and LED
Modules, March 2015

Light Emitting Diodes (LEDs)
and LED Assemblies - Terms
and Definitions, March 2015

in CIE for decades and Dr. Ian Lewin who served CIE/USA since the 1970's and who was a major contributor to the technical work of CIE since the 1970's. Both men are sorely missed.

I hope to see many of you in Toronto as we begin a new Quadrennium.

Alan Lewis
CIE/USA President

Administrative News

Quarterly Newsletter



Welcome to the first issue of the newly re-established CIE USNC Quarterly Newsletter! The goal of the Newsletter is to provide the CIE USNC membership with administrative, technical and social news on a quarterly basis, for those of us that do not have time or remember to visit the CIE USNC web site on a regular basis.

The left, grey column of the Newsletter includes links to various news items organized under Hot Topics, Upcoming Events, New Publications, New Sponsors and the latest CIE Newsletters. The right column includes submitted stories from CIE USNC members on various administrative and technical issues.

The success of the Newsletter really depends on the involvement of all members, especially those of us serving in administrative positions and representing us in CIE Divisions that address technical issues. The Newsletter is also open to any news related to illumination that you think may be of interest to the membership.

I look forward to receiving news items from all members to keep us all up-to-date!

Thank you !

Konstantinos Papamichael
CIE/USA Communications VP

New Sponsors

[Datacolor](#)

[Musco Sports Lighting](#)

[Nichia America Corporation](#)

CIE Newsletters

[April 2015 - Manchester 2015
Newsletter #5](#)

[March 2015 – Manchester
2015 Newsletter #4](#)

[January 2015 – Manchester
2015 Newsletter #3](#)

Technical Council News

Division 3

Interior Environment & Lighting Design



A look at the Publication List for CIE Division 3 shows the remarkable diversity of the work of this particular division. Both electric lighting and daylighting are included, for example. But, this division is also home for the CIE's work on discomfort glare, the lighting of work places, lighting quality, lighting economics, lighting calculations and lighting maintenance.

A recent division publication of note is the 2014 Guide to Protocols for Describing Lighting (CIE 213:2014) which is the work of **CIE TC3-34** chaired by Dr. Jennifer Veitch, National Research Council of Canada. It's a catalog of application-independent descriptors of lighting and the protocols associated with each descriptor. The objective is lighting quality and while there are many ideas about what constitutes lighting quality and how to achieve it, here lighting quality is defined as encompassing human needs, architectural integration and economic constraints (including energy). It's an analytical approach that seeks to establish a common basis for communication. For example, when a lighting system is designed, the Guide suggests starting with people and defining them along with their activities and needs. So, initial "descriptors" might be age, sex, eye age and health, emotional states, expectations and cultural backgrounds. Then, to complete the process, measurement protocols are defined and applied to judge whether or not, the design has been achieved.

Division 3 is planning to meet during the upcoming CIE quadrennial session in Manchester, UK in July and will be developing plans for a CIE expert symposium on the topic of Research Methods for the Effects of Lighting. The topic would include both the visual and non-visual effects of lighting on humans and include the design of laboratory and field investigations, the reliability and validity of behavioral measurements, photometry and colorimetry, research ethics, statistical analysis and reporting standards. Note the relationship of these topics to Guide to Protocols for Describing Lighting

mentioned above. The symposium is expected to be a 2-day event scheduled for the spring of 2016. The venue has not been established.

There are currently 10 technical committees active within Division 3. Four involve daylighting; the rest are focused on interior lighting, calculations or standards including the revision of the CIE S 008 Joint ISO CIE Standard on Lighting of Work Places – Part 1: Indoor. As with other CIE divisions, standards are an ongoing area of change as work continues to convert existing CIE standards committees to structures suitable to the International Organization for Standards (ISO) and, specifically, to the ISO TC 274 working arrangements.

An unusual effort is being undertaken by **CIE TC 3-46** which is called Research Roadmap for Healthful Interior Lighting Applications to stimulate fundamental research into questions relevant to lighting applications. The membership of this TC is broad with representatives from 11 countries involved in the work. At the last Division 3 meeting (June, 2014) a new joint technical committee with Division 1 was established to look at discomfort glare from luminaires with a non-uniform source luminance. This was prompted, among other things, by growing concerns about discomfort glare from luminaires which utilize arrays of small, bright LED light sources. Glare from luminaires is, of course, a common problem, but it is expected to grow more challenging as LED chip sizes increase and efficacies range higher.

Terry McGowan
CIE/USA Delegate to CIE Division 3

Contact

For **feedback & submittals** to the CIE USNC Newsletter please contact **Konstantinos Papamichael** at kpapamichael@ucdavis.edu. Thank you!