

CIE Division 4 meeting 2018

Summary of minutes

Maurice Donners

Dutch national representative D4

Division management

- Divisions 4 and 5 merged, new interim-MT (until 2019 meeting)
- DD Dionyz Gasparovsky (SK)
- AD1 Steve Fotios (GB) – Fundamentals in outdoor lighting
- AD2 Raoul Lorphevre (BE) – Lighting & signalling for transport
- AD3 Sermin Onaygil (TR) – Exterior applications
- DS Maurice Donners (NL)
- DE Nigel Parry (GB)

alternate division members (ADM)

- Currently under discussion in NSVV coreteam outdoor

Events 2018

- **CIE 2018, Topical Conference on Smart Lighting:** 24 – 28 April 2018 in Chinese Taipei. Conference structure and other events not yet officially announced but a promo material already available.
- **CIE D4 Workshop on Visibility:** 24 – 25 May 2018 in Berlin, Germany. Invitation letter is available to all DMs.
- **Inaugural International Day of Light:** 16th May 2018 in Paris, France. CIE is a member of the Steering Committee. Any activity for this day to join the event is warmly welcomed. More information are on the website www.lightday.org.

Future division 4 meetings

- **2018 Berlin (DE):** May 22 to 23, reserving afternoon of the first day to TC 4-11 and TC 4-12.
- **2019 Washington (US):** CIE Quadrennial Session in June. Presentation of the venue available.
- **2020 TBA:** Vienna is provisionally discussed.
- **2021 TBA:** There is a bid from MY to host the mid-term meeting in Kuala Lumpur.

TC overview

- **TC 4-15** “Road Lighting Calculations” (S. Onaygil) – At CD stage, CD 2 version at CB for handling. Awaiting ballot in 2018.
- **TC 4-33** “Discomfort Glare in Road Lighting” (S. Volker) – Meeting in Jeju, due out next year.
- **TC 4-47** “Application of LEDs in Transport Signalling and Lighting” (S. Jenkins) – Draft is almost finished. As S. Jenkins is retiring, TCC is changing to Rob van Heuer.
 - DD to confirm with new TCC.
- **TC 4-50** “Road Surface Characterization for Lighting Applications” (G. Rossi) – Meeting and workshop in Jeju. Finalization of the draft expected in 2020.
- **TC 4-51** “Optimizing of Road Lighting” (P. Larsen) – Meeting in Jeju. Final WD due late 2018.

- **TC 4-52** “Lighting for Pedestrians: New Empirical Data” (S. Fotios) – Presentation of work plan at the meeting in Jeju. Final WD due late 2018.
- **TC 4-53** “Tunnel Lighting Evolution” (R. Lorphevre) – Meeting in Jeju. Draft discussed, TC progressing, complex annual report sent.
- **TC 4-54** “Road Lighting for Ageing Drivers” (M. Donners)
- **TC 4-55** “Guide for the Lighting of Sport Events for Colour Television and Film Systems” (A. Smith) – At CD stage.

- **TC 4-56** “A Guide to Urban Lighting Masterplanning” (M. Serefhanoglu-Sozen) – No annual report and bouncing communication with TCC. Rework of CD draft is necessary to remove non-copyright items. CB warns to close the TC if no quick action. DD proposed change of TCC as the only solution. Diana Del Negro agreed to take over and to finalize the CD stage as required by CB. Approval of new TCC in the Division due early 2018, then for BA approval.

- **TC 4-57** “Guide for Sports Lighting” (A. Smith) – As TC 4-55 is drafted for CD, progress in this TC will continue. Approximately 75 % of the work is done.
- **JTC 01** “Implementation of CIE 191:2010 Mesopic Photometry in Outdoor Lighting” (S. Mucklejohn) – Meeting in Jeju. TN 007:2017 published with interim recommendations, TR still under heavy discussions.
- **JTC 08** “Terminology in Light and Lighting” (N. Parry) – At final stage, publication of new ILV awaited in mid 2018.
- **JTC 11** “Light and Lighting – Maintenance Factor – Way of Working” (N. Parry) – Meeting in Jeju discussing and commenting the WD2 draft. Plan to publish TS (Technical Specification) in mid 2018.

Reporterships

- **R 4-49** “Flicker from Lighting on High Speed Road” (C. H. Wen) – Reporter present at the meeting gave brief information on the progress. In further to check and decide whether to keep this reportership or to integrate with the currently established joint research forum on “Temporal Light Modulation”.
- **R 4-50** “Document Status - Joint with DIV5” (D. Gasparovsky) – Reporting is under agenda point 16. This reportership naturally needs collaboration of a group of experts. DMT to consult with CB if to turn this reportership into a research forum or other appropriate structural entity.
- **R 5-12** “Lighting and ECO Systems” (S. Davis) – DD to check the status and progress with reporter. To consult and avoid conflict with R 5-17 and with ToR of the reviving TC 5-27.

- **R 5-16** “Photometric Specification and Measurement of Sports Lighting Installations” (A. Smith) – After previous reporter T. Lemons retired, reportership was discontinued. Upon current reporter’s request, D4 agreed to close it.
- **R 5-17** “Environmental Impact Assessments” (M. M. Taylor) – DD to check the status and progress with reporter. To compare the scope with ToR of the reviving TC 5-27.
- **R 5-18** “Comparison of Glare Assessment Methods” (S. Volker) – To be closed upon reporter’s request. Approved by D4.

New activities

- **01** New JTC “Depreciation and maintenance of lighting systems. Provisional number is JTC 12.
- **02** “Performance evaluation of retro-reflective traffic signs”. revival of TC 4-40.
- **03** “Artificial light and its impact on the natural environment” is revival of TC 5-27. Early TC proposal is sent by Annika Jägerbrand (SE) DD to compare the proposed ToR with scope of the running reporterships R 5-12,R 5-17 and with other possible overlaps

- **04** “Visibility Design for Roadway Lighting” revival of TC 4-36. TCC Giuseppe Rossi (IT)
- **05** “300 mm Roundel signals” is revival of TC 4-46 TCC Ron Gibbons (US)
- **06** “Guide for Floodlighting” is to revise CIE94-1993. TCC Diana del Negro (PT or GB)
- **07** “Guide for prevention of lighting pollution caused by colour light and dynamic lighting to residential buildings”.

New Research Fora

- **01** “Phantom Array Effects in Vehicle Rear Lighting” is led by Chan-Su Lee (TW).
- **02** “Lighting for Cyclists” is to be led by Steve Fotios. RF is to be established.
- **03** “Update and Evaluation of CIE 115” is to be led by Ron Gibbons. DD to consult with RF leader if a CIE/ISO standard based on CIE 115 can be proposed and what part of CIE 115 is suitable for standardization.

standard on outdoor workplaces

- Urgently needs to be reviewed
- Volunteers needed

Review of CIE 115:2010

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