

IEA 4E SSL Annex Conference on Promoting High Quality, Energy-Efficient Solid State Lighting 23 November 2017, Sydney, Australia

- 09h00** **Welcome and Introduction to the SSL Annex**
Nils Borg, Operating Agent of IEA 4E SSL Annex
- *Welcome and Tour de Table*
 - *SSL Annex – Purpose, Structure, Activities Past, Present and Future*
- 09h30** **Update on the Lighting Regulatory Policy in Australia**
David Boughey, Assistant Director, Lighting and Communications, Appliance Energy Efficiency Branch, Energy Division, Department of the Environment and Energy; Deputy Chair of IEA 4E SSL Annex
- *Overview of the Australian Lighting Regulations and Review*
 - *Status of current activities, key issues and schedule / plans*
- 09h45** **International and European Lighting Policy Update**
Peter Bennich, Energy Efficiency Department, Swedish Energy Agency; also Chair of IEA 4E SSL Annex
- *Summary of selected international programmes accelerating quality lighting, such as the Global Lighting Challenge and the SEAD Global Efficiency Medals*
 - *Overview of the European Lighting Policy and Status of the Review*
- 10h00** **Interlaboratory Comparison 2017 – for Goniophotometers**
S.K. Jeon, Director, General Testing Department, Korea Institute of Lighting Technology
- *Overview of the IC 2017, including design, methodology and test protocol*
 - *Initial work completed, findings of nucleus lab comparison, upcoming schedule*
- 10h30** *Coffee Break (30 minutes)*
- 11h00** **Health Impacts of LED Lighting**
Georges Zissis, Prof., University of Toulouse
- *Update on recent Health Studies relating to LED light and the impact on people*
- 11h30** **Flicker and Temporal Light Artefacts**
Steven Coyne, Australian Technical Expert to the SSL Annex; Light Naturally
- *Overview of LED light quality and issues relating to flicker and TLA*
 - *Measurement standards, options and recommendations*

- 12h00 Chromaticity Specifications and Colour Quality Issues**
Yoshi Ohno, National Institute of Standards and Testing; US Department of Commerce
- *The talk will address the new CIE colour fidelity index, the 2017 version of ANSI C78.377 with new specification for below blackbody, the problem in raising the bar of CRI and a new CIE Technical Note being drafted that relates to colour.*
- 12h30 Lunch (60 minutes)**
- 13h30 Smart Lighting – New Applications and Power Use**
Casper Kofod, Danish Technical Expert to the SSL Annex; Energy Piano
- *Summary of report published looking at Smart Lighting issues*
 - *Classification of services provided and typical power consumption*
- 14h00 LED General Illumination Applications - Life Cycle Assessment**
Georges Zissis, Prof., University of Toulouse
- *Update on recent Life Cycle Assessments that are looking at LED lighting products in general illumination applications; comparison to traditional light sources*
- 14h30 Best Practices in Transforming Lighting Market**
Maureen Jorgensen, US Technical Expert to the SSL Annex; Navigant Consulting
- *Summary of a broad range of projects and initiatives that have been introduced by SSL Annex Member Countries to promote quality LED Lighting*
- 15h00 Thank You and Close**