

CIE Wyszecki Gold Pin Awardee 2023: Luc Schlangen

In 2023 Dr. Ir. Luc Schlangen from Eindhoven University of Technology received the most prestigious prize for fundamental research awarded by the CIE, the *Wyszecki Gold Pin Award for Exceptional Outstanding Contributions in Fundamental Research*. The award recognizes his significant contributions to the development of the CIE System for Metrology of Optical Radiation for ipRGC-influenced Responses to Light.



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Dr. Schlangen is a senior researcher at the Technical University of Eindhoven, the Netherlands, in the Intelligent Lighting Institute and the Human Technology Interaction group. He served as Director of CIE Division 6 – Photobiology and Photochemistry from 2019 to 2023.

The award recognizes Dr. Schlangen's extensive research into the effects of light and lighting on neurobehavioral processes including ipRGC-influenced effects. He has published over 50 scientific papers on these topics, including several of the most-cited works. He chaired the CIE Joint Technical Committee that produced CIE S026 *CIE system for metrology of optical radiation for ipRGC-influenced responses to light*. This document provides the foundation for replicable research and traceable measurement in this area. Luc Schlangen has promoted the use of this metrology system in many journal articles and presentations since its publication.

He led the development of the CIE 2019 Position Statement on Non-Visual Effects of Light – Recommending Proper Light at the Proper Time, and is a strong advocate for using fundamental science to inform lighting applications for good health. In 2020 he co-chaired the successful joint online tutorial between CIE and the International Council for Non-Ionizing Radiation Protection (ICNIRP) on the Measurement of Optical Radiation and its Effects on Photobiological Systems, which was a first collaboration between the CIE and ICNIRP and the first CIE online tutorial.

About the CIE

The International Commission on Illumination – also known as the CIE from its French title, the Commission Internationale de l'Éclairage – is the international scientific union and standards development organization for all matters relating to the science and art of light and lighting, colour and vision, photobiology, interior and exterior lighting, and image technology.

CIE Gold Pins are the highest honour awarded by the CIE.

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