

CIE Waldram Gold Pin Awardee 2023: Naomi Miller

In 2023 Naomi Miller from the Pacific Northwest National Laboratory in Portland, Oregon (US) received the highest recognition awarded by the CIE for work in applied illuminating engineering, the *Waldram Gold Pin Award for Exceptional Outstanding Contributions in Applied Illuminating Engineering*. The award puts a special focus on work that relates to recent CIE publications and recognizes Naomi Miller's outstanding and exceptionally broad contributions in this area.

Naomi Miller is a Senior Lighting Scientist at the Pacific Northwest National Laboratory in Portland, Oregon (US). As a lighting researcher, she focuses on aspects of LED lighting that can impede wise application: glare, temporal light modulation, and obtrusive lighting. She also is an inspiring speaker and communicator about good lighting quality and how to achieve it, and works with all aspects of the lighting industry to improve applications from seniors' residences to automotive lighting.



In recent years, she has contributed her expertise as an author to three important technical reports in three different CIE Divisions: To the publication *CIE 236:2019 – Lighting for pedestrians – A summary of empirical data* (published by CIE Division 4 – Transportation and Exterior Applications), to *CIE 232: 2019 – Discomfort caused by glare from luminaires with a non-uniform source luminance* (CIE Divisions 1 – Vision and Colour and Division 3 – Interior Environment and Lighting Design), and to *CIE 249:2022 – Visual aspects of time-modulated lighting systems* (CIE Division 1 – Vision and Colour).

In her recent research she has focused on predicting phantom array visibility, work that holds great promise to fill a knowledge gap identified in other CIE publications and to lead to new ways to protect observers from ill effects of temporal light modulation.

Previously, Naomi Miller served on technical committees that developed the *CIE Colour Fidelity Index* (CIE 227:2017) and *Protocols for Describing Lighting* (CIE 213:2014).

Only few people have contributed to such a wide range of technical topics in light and lighting.

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 and granted once every four years.

Press Contact

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