



an Open Access Journal by MDPI

Smart Lighting and Visual Safety

Guest Editors:

Prof. Dr. Yandan Lin

Department of Illuminating
Engineering & Light Sources,
School of Information Science
and Technology, Fudan
University, Shanghai 200438,
China

Dr. Minchen Wei

Department of Building
Environment and Energy
Engineering, The Hong Kong
Polytechnic University, Kowloon,
Hong Kong

Deadline for manuscript
submissions:

30 August 2024

Message from the Guest Editors

Smart lighting describes an interdisciplinary field of modern closed-loop luminaires applied for exterior, interior, personal or public lighting and also special cases such as interactive design. Connected research fields started from real mechanical, electronical or optical design, sensing and data collection/evaluation for lamp control strategies until theoretical simulations or modelling with self-learning control algorithms out of the field of machine learning. Strategies from energy saving and light efficiency boosters are included as well. Visual safety describes the potential risk by uncontrolled lamps for people's habit perceived by our visual- and non-visual system. For reference, the first results can be roughly named physiological or psychological glare, or distractive lighting and projection for modern transportation and mobility.

The goal of this research is to present within this Special Issue knowledge from both fields in theories and applications for humans to improve smart lighting and visual safety, especially in the field of transportation and future mobility, also suitable for other applications involved with the scientific theory of vision and lighting.



mdpi.com/si/133635



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
appls@mdpi.com
[X@Appls](https://twitter.com/appls)