Special Issue

Application of Advanced Lighting Systems in Buildings and Cities

Message from the Guest Editors

This Applied Sciences Special Issue aims to improve the design and application of advanced lighting systems in buildings and urban spaces. Advanced lighting systems are lighting-related systems that mediate light conditions, either through natural/passive or active means, to balance and improve the performance of different energy, comfort, health, well-being, and social indicators. The development of relevant performance indicators and correspondent analysis methods and tools is critical to the design and assessment of such systems. Thus, this Special Issue aims to gather both the top research related to the design and deployment of advanced lighting systems and the scientific aspects that are or could be essential to their design and application, such as the investigation of human response to light conditions (e.g., visual comfort, effects of light on melanopsin, and serotonin hormonal production) or novel (day)light simulation workflows and indicators.

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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.

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