



LED Lighting Systems with Luminous Flux and Color Control

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Message from the Guest Editors

Dear Colleagues,

The design of this type of system covers multiple disciplines, including, among others, power electronics, instrumentation, colorimetry and control system design.

Potential topics of this Special Issue include, but are not limited to, the following:

- Optimized power topologies for supplying LED lamps with color control (multi-output converters, post-regulators for current control in LED lamps, integrated stages with multiple output, etc.);
- Instrumentation for measuring the level and quality of light in lighting systems (distributed lighting measurement systems, optimized design of light color sensing systems, etc.);
- Optimization of the color spectrum and light quality of LED lamps (optimization of the light emission spectrum of multi-chip LED lamps, circadian lighting, flicker minimization, color deviation correction techniques, etc.);
- Closed-loop control of adjustable color LED lighting systems (advanced digital control applied to lighting systems, algorithms for the control of lighting systems with multiple sensors and lamps, etc.);
- Optimization of energy use in LED lighting systems.





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Message from the Editor-in-Chief

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