

Special Issue

Light-Emitting Diodes (LEDs)

Message from the Guest Editors

Lighting systems based on LED technologies gain further significance as they are reaching maturity. However, a series of challenges remain unsolved. Complex LED driver designs still show limited efficiency. On the other hand, some economical choices in the design of the power electronic systems required to drive LED result in units whose longevity is shorter than those of LED devices. Accordingly, the development of efficient and reliable LED drivers is an interesting research topic. This Special Issue focuses on the discussion of emerging solutions suitable to leverage the efficiency and sustainability of LED lighting systems. Possible topics include, but are not limited to,

- Fault-tolerant and sustainable LED driver configuration.
- Optimized control strategies for LED drivers, including demand-side management.
- Reliability prediction and physics of failure of LED devices.
- Temperature management in LED systems.
- Smart controllers based upon human presence detection.

Guest Editors

Dr. Pascal Dupuis

Dr. Leos Kukacka

Dr. Fernando Bento

Deadline for manuscript submissions

closed (31 October 2022)



Eng

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.2



mdpi.com/si/107370

Eng
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
eng@mdpi.com

mdpi.com/journal/

[eng](https://mdpi.com/journal/eng)





Eng

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.2



[mdpi.com/journal/
eng](https://mdpi.com/journal/eng)



About the Journal

Message from the Editor-in-Chief

Eng (ISSN 2673-4117) is an international, peer-reviewed open access journal which publishes original papers, critical reviews, rapid communications, technical notes, and discussions on all areas of engineering.

Editor-in-Chief

Prof. Dr. Antonio Gil Bravo

INAMAT²-Departamento de Ciencias, Edificio de los Acebos,
Universidad Pública de Navarra, Campus de Arrosadía, 31006
Pamplona, Spain

Author Benefits

Open Access:

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

High Visibility:

indexed within ESCI (Web of Science), Scopus, Ei Compendex, EBSCO and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q2 (Engineering (miscellaneous))