



LS 2025
Monastir
Smart Lighting

IEEE Sustainable Smart Lighting World Conference #LS2025

8 – 10 December, 2025 Monastir, TUNISIA

<https://ls2025monastir.com>



#LS2025

CALL FOR PAPERS

The IEEE Sustainable Smart Lighting World Conference (LS2025) will be held in Monastir, Tunisia, from 8 to 10 December 2025, as an international platform to foster collaboration between researchers, industry professionals, and public stakeholders in the field of sustainable and smart lighting.

LS2025 is organized by the IEEE Industry Applications Society (IAS) in cooperation with academic institutions, research laboratories, and industrial partners from around the world. The conference aims to highlight cutting-edge research, innovation, and emerging trends in lighting technologies, energy efficiency, visual and non-visual effects of light, and smart lighting systems for sustainable development.

LS2025 will feature a rich 3-day program including plenary and keynote talks, technical sessions, special sessions, industry panels, and exhibitions, offering participants a unique opportunity to connect and exchange ideas at the intersection of science, technology, and society.

CONFERENCE TOPICS

Lighting systems and technology

- Electrical, optical and thermal design for components, devices and systems,
- Optical and photonic innovations for lighting,
- Innovations on light sources and associated new materials,
- Joint communication, sensing and positioning with light(ing),
- Smart lighting systems (incl. Lighting Controls, Dynamic Lighting, Connected Lighting,...),
- Healthy Buildings and Lighting as a driver for IoT,
- Interaction paradigms for lighting, self-learning control systems. Applications of AI in lighting...

Light applications, societal impact

- Healthy buildings, bio-clock aware spaces,
- Animal, agriculture, horticulture lighting,
- Beyond lighting (UV-disinfection, curing, bio-medical...),
- Lighting design and scenic lighting,
- Business eco-systems and new economic models for lighting industry (e.g. Light as a Service),
- Techno-economic analysis of lighting systems,
- Societal aspects, circular economy, impact on bio-ecosystems, light pollution,
- Regulations, guidelines & public policies...

Visual and non-visual effects of light

- Effects on humans, but also on animals and plants,
- Quantified models for physical and psychological effects,
- Visual quality of light,
- Spatial light and color distributions
- Skin effects and skin aging,
- Circadian effects,
- Effects of light on wellbeing and mental health,
- Effects on cognitive performance and productivity,
- Metabolism and immunity effects
- Phototherapy and light therapy...

ABOUT MONASTIR



Monastir is a coastal city in North Africa, located in eastern Tunisia on the Mediterranean Sea. It combines rich history and cultural heritage with beautiful beaches and a mild climate. Monastir is home to the historic Ribat fortress, a scenic marina, and vibrant local life, and is only 10 km away from Monastir Habib Bourguiba International Airport.



AUTHOR INFORMATION

Prospective authors are invited to submit an abstract of maximum 2 pages, following the template available on the conference website. Accepted and presented papers will be published in IEEE Xplore, subject to IEEE quality and standards checks. Selected papers may also be considered for further review for publication in the IEEE Transactions on Industry Applications and the IEEE Industry Applications Society Magazine.

For more information, please visit: <https://ls2025monastir.com>

IMPORTANT DATES



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