

Antonios Kontadakis

Collaborating Teaching Staff / Module EPK61 – Measurements, Analysis and Interpretation in Building Lighting / Hellenic Open University

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Antonios Kontadakis is a Mechanical Engineer holding a PhD in daylighting and an M.Sc. in energy, with over 15 years of multidisciplinary experience in sustainable building design, energy simulation and lighting systems. He teaches in the postgraduate programme “Sustainable Interior Design of Buildings” at the Hellenic Open University (modules EPK61), focusing on measurements, analysis and interpretation of building lighting. His research centers on daylighting, human-centric lighting (HCL) and circadian/melanopic metrics (CIE S 026), employing simulation tools such as EnergyPlus, and Radiance. He participates in the EYEXIA research programme at the Hellenic Open University, investigating lighting parameters that enhance wellbeing in the indoor environment. In parallel, he leads emission-reduction initiatives in the natural gas distribution sector, bridging research and practice to advance environmental sustainability.

Selected Publications

1. Kontadakis, A., Tsangrassoulis, A., Doulos, L. T., & Zerefos, S. (2018). A Review of Light Shelf Designs for Daylit Environments. *Sustainability*, 10(1), 71.
2. Kontadakis, A., Doulos, L. T., & Topalis, F. V. (2017). An active sunlight redirection system for daylight enhancement beyond the perimeter zone. *Building and Environment*, 113, 267–279.
3. Doulos, L. T., Tsangrassoulis, A., Kontaxis, P. A., Kontadakis, A., & Topalis, F. V. (2017). Harvesting daylight with LED or T5 fluorescent lamps? The role of dimming. *Energy and Buildings*, 140, 336–347.
4. Doulos, L. T., Tsangrassoulis, A., Madias, E. N., Niavis, S. A., Kontadakis, A., et al. (2020). Examining the Impact of Daylighting and the Corresponding Lighting Controls to the Users of Office Buildings. *Energies*, 13(15), 4024.