
LAMBROS T. DOULOS

Curriculum Vitae January 2026

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Short Curriculum Vitae

Lambros T. Doulos is a Professor at the Hellenic Open University in the School of Applied Arts and Sustainable Design, with a subject area in Lighting Technology. He holds a PhD from the National Technical University of Athens (School of Electrical and Computer Engineering) since 2010, a degree in Physics (University of Athens) since 1999, and a master's degree in Environmental Physics (University of Athens) since 2002. He has many years of experience in open and distance higher education and more than 20 years in higher education.



He is a Researcher-Physicist and works on research programs, measurements, studies, and lighting projects. Some of his research interests include the rational use and energy saving in lighting systems, the use of natural lighting in buildings, the development of innovative lighting sensors, the function of the human eye and the correlation of lighting with health, the evaluation of lighting installations in buildings, roads, and tunnels, the design and upgrading of lighting, street lighting, light pollution, its prevention, and the creation of areas protected from it, tunnel lighting, and road and tunnel lighting measurements.

In the context of his doctoral research ("Development of a system for the automatic adjustment of artificial lighting aiming at the optimal exploitation of natural lighting"), he developed a new type of lighting sensor with a variable field of view and a methodology for finding the optimal sensor position to achieve the greatest amount of energy savings in combination with visual comfort and proper sensor operation. In the context of his primary postdoctoral research ("Zero consumption lighting system for school buildings"), he designed a nearly zero consumption lighting system powered by renewable energy sources using a low voltage network.

To date, he has participated in 83 research programs from which more than 200 publications have emerged in scientific journals, international and national conferences, and the national press. He has collaborations with lighting companies, has carried out numerous lighting projects and studies, energy-saving projects and studies in artificial lighting systems, as well as light pollution prevention projects.

He has authored 3 books on lighting design, has participated as a speaker in conferences on lighting topics, and is a member of ASHRAE (President of the Hellenic Chapter 2020-21) and the International Commission on Illumination (CIE) in 6 technical committees. According to the Stanford University list, he was ranked in the Top 2% of scientists for the year 2022 in the fields of Mechanical Engineering & Transports, Building & Construction, and Engineering.

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A. Education – Professional Activity

2025

- Unanimously elected Professor at the School of Applied Arts of the Hellenic Open University with the subject area "Lighting Technology with applications in energy optimization and the coupling of natural and artificial lighting in the man-made environment".
- Assumed duties after promotion on 03.07.2025 to the rank of Professor (1st Grade) with the act of the Rector of the Hellenic Open University no. 10577/16.05.2025, published in the Government Gazette no. 2150 /12-06-2025/t. G'.

2024

- Unanimously elected Deputy Dean of the School of Applied Arts and Sustainable Design of the Hellenic Open University with the act of the President of the Governing Board no. EAP-21738/02-09-2024, published in the Government Gazette no. Y.O.D.D. 931/30.08.2024, with a term from 01.09.2024 to 31.08.2027.

2023

- Selected as Director of the Study Program in the Postgraduate Program "Indoor Building Quality" of the School of Applied Arts and Sustainable Design of the Hellenic Open University during the academic years 2023-Today.

2021

- Unanimously elected Associate Professor at the School of Applied Arts of the Hellenic Open University with the subject area "Lighting Technology with applications in energy optimization and the coupling of natural and artificial lighting in the man-made environment".
- Appointed on 27.07.2021 with the act of the President of the Governing Board no. TP-3329/25-06-2021, published in the Government Gazette no. 1619/21-07-2021.

2020

- Selected and works as Course Coordinator and instructor in the course "Lighting Issues" in the postgraduate program "Sustainable and Social Design" (renamed to "Sustainable Architectural Space Design" in 2022) of the Department of Interior Architecture of the University of West Attica during the academic years 2019-Today.

2019

- Postdoctoral Thesis. Postdoctoral researcher at the University of Thessaly in the Department of Architectural Engineering, where he was accepted with an IKY (State Scholarships Foundation) scholarship "Support for Postdoctoral Researchers" - MIS 5001552 (2017-2019) and completed the postdoctoral research "Zero consumption lighting system for school buildings" under the supervision of Professor A. Tsangrassoulis.

2014

- Certified instructor for lighting calculation software. RELUX, Private company based in Switzerland.
- Completed a special training program and upon successful completion of exams, was awarded the certification for teaching the lighting calculation software.

2013

- Training of instructors in the methodology of distance education and in the use of information and communication technologies of the Hellenic Open University.

- With his selection as a member of the Tutors-Adjunct Faculty (S.E.P.), he completed the training seminar for instructors in distance education methodology and was awarded the corresponding certificate.

2012

- Selected and works as a member of the Tutors-Adjunct Faculty (S.E.P.) of the School of Applied Arts of the Hellenic Open University on lighting topics in the module SFP60 "Lighting technology and connection with production, SFP60" in the postgraduate program "Lighting Design" during the academic years 2012-Today.

2010

- Doctoral Thesis. Following his application, the School of Electrical and Computer Engineering of the National Technical University of Athens (NTUA) enrolled him as a doctoral candidate (2003-2010) with the doctoral thesis title: "Development of a system for the automatic adjustment of artificial lighting aiming at the optimal exploitation of natural lighting" under the primary supervision of Professor F. V. Topalis.
- After a successful examination in October 2010, he was awarded the title of Doctor (PhD) of NTUA with the grade "Excellent".

2009

- Degree in Environmental Studies (L.716/77). Following his application, he was awarded the degree in environmental studies (Registration Number 21228), Category 27 class A, from the General Secretariat of Public Works, Directorate D15- Department of Registry of Designers of the Ministry of Environment, Physical Planning and Public Works (20/03/2009-20/03/2013, 30/8/2021 – 30/8/2025).

2003

- Certificate of Conscript Meteorological Observers. During his military service as an Airman Meteorologist, he was trained and awarded the Certificate of Conscript Meteorological Observers from the Meteorological School of the National Meteorological Service of the Air Force General Staff with the grade "Excellent".

2002

- Master's in Environmental Physics. University of Athens, School of Science, Department of Physics (2000-2002), with the grade "8.0-Excellent".
- The direction of the elective courses chosen was Building Physics, and the master's thesis he completed concerned sustainable design with the subject "Study of surface temperatures of building materials in the urban environment".

1999

- Degree in Physics. University of Athens, School of Science, Department of Physics (1993-1999), with the grade "Very Good".
- The direction of the elective courses chosen was Environmental Physics, and the diploma thesis he completed had the subject "Study of a micro-urban environment".

B. Teaching Work

(Teaching in higher education, Supervision of doctorates, Formulation of study programs, Seminars, Workshops, Laboratories)

B.1 Supervision and evaluation of doctoral theses

Primary Supervisor

- **2022- Today**

- Doctoral thesis of Andreas Papalambrou titled "Environmental optimization of lighting, rational lighting rules and creation of regulations and standards", School of Applied Arts and Sustainable Design, Hellenic Open University.
- Doctoral thesis of Christina Skandali titled "Proposals for optimizing rational road lighting design with the main objective of energy saving using smart city systems, taking into account environmental protection criteria, human-centric lighting and safety", School of Applied Arts and Sustainable Design, Hellenic Open University.
- Doctoral thesis of Militsa Tomasovits titled "The effect of exterior building lighting on sustainability and the environment: Methods for controlling the negative impacts of light pollution", School of Applied Arts and Sustainable Design, Hellenic Open University.

Member of three-member committee

- **2023 - Today**

- Doctoral thesis of Panagiotis Kontaxis titled "Control of indoor lighting installation with spatial 'image' recognition of lighting intensity distribution by a CCD sensor", School of Electrical and Computer Engineering, NTUA.
- Doctoral thesis of Vangelis Madias titled "Artificial lighting control with a sensor at the work level connected to the lighting system via LAN", School of Electrical and Computer Engineering, NTUA.
- Doctoral thesis of Victoria Lytra titled "Natural Lighting in the Architecture of Museums and Art Galleries in the Mediterranean", School of Architectural Engineering, NTUA.
- Doctoral thesis of Minas Barkitzis titled "The impact of artificial lighting on the visual ability of patients with macular degeneration", Department of Medicine, Democritus University of Thrace.

- **2023 - 2025**

- Doctoral thesis of Christos Georgiou Trochoutsos titled "Digital Printing – Certification and Standardization", School of Applied Arts and Sustainable Design, Hellenic Open University.
- Successful examination: 03.07.2025.

Member of seven-member examination committee

- **2024**

- Doctoral thesis of Eirini – Kanella Panagiotopoulou, RN: 0103 titled "Evaluation of the effect of environmental conditions on the effectiveness of surgical restoration of presbyopia with bilateral insertion of multifocal implants", School of Health Sciences, Department of Medicine, Sector of Neurology, Psychiatry and Sensory Organs, Democritus University of Thrace.
- Successful examination: 11.03.2024.

- **2022**

- Doctoral thesis of Zoe Gareiou titled "The impact of the economic crisis and citizens' political stance on their views on environmental issues", School of Applied Arts and Sustainable Design, Hellenic Open University.
- Successful examination: September 2022.

- Doctoral thesis of Elias Tsirpbas titled "Analysis of non-linear phenomena in Light Emitting Diode (LED) ignition circuits", School of Electrical and Computer Engineering, NTUA.
- Successful examination: 28.03.2022.

B.2 Formulation, organization and coordination of Postgraduate Programs

Director of Postgraduate Program

- **2024 - Today**
 - Postgraduate Program "Sustainable Interior Design of Buildings (EPK)", School of Applied Arts and Sustainable Design, Hellenic Open University (since 14-09-2022).

Chairman of the Academic Supervision Committee

- **2022 - 2024**
 - Postgraduate Program "Sustainable Interior Design of Buildings (EPK)", School of Applied Arts and Sustainable Design, Hellenic Open University (since 14-09-2022).

Assistant Director of Postgraduate Program

- **2022 - Today**
 - Postgraduate Program "Lighting Design" (SFP), School of Applied Arts and Sustainable Design, Hellenic Open University.
 - Postgraduate Program "Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change" (CCC), School of Applied Arts and Sustainable Design, Hellenic Open University.

Coordinator of Modules / Courses

- **2024 – Today**
 - Module EPK55 "Research methods in the indoor environment", Postgraduate Program "Sustainable Interior Design of Buildings", School of Applied Arts and Sustainable Design, Hellenic Open University.
 - Module EPK61 "Measurements, analysis and interpretation in the lighting of buildings", Postgraduate Program "Sustainable Interior Design of Buildings", School of Applied Arts and Sustainable Design, Hellenic Open University.
- **2022 - Today**
 - Module SFP60 "Lighting technology and connection with production", Postgraduate Program "Lighting Design", School of Applied Arts and Sustainable Design, Hellenic Open University.
- **2022 - 2024**
 - Module SFP51 "General principles of lighting and physiology of visual perception", Postgraduate Program "Lighting Design", School of Applied Arts and Sustainable Design, Hellenic Open University.
- **2022 - Today**
 - Course code IA225 "Sustainable Lighting Issues", Postgraduate Program "Sustainable Architectural Space Design", Department of Interior Architecture, School of Applied Arts and Culture, University of West Attica.
- **2019 - 2022**
 - Course code IA225 "Lighting Issues", Postgraduate Program "Sustainable and Social Design", Department of Interior Architecture, School of Applied Arts and Culture, University of West Attica.

B.3 Teaching in higher education – Autonomous and auxiliary teaching

Autonomous teaching

- **2024- Today**
 - Autonomous teaching in Module EPK55 "Research methods in the indoor environment", 10 ECTS, MSc "Sustainable Interior Design of Buildings", School of Applied Arts and Sustainable Design HOU.
- **2012- Today**
 - Autonomous teaching in Module SFP60 "Lighting technology and connection with production", 24 ECTS, MSc "Lighting Design", School of Applied Arts and Sustainable Design HOU.
- **2019- Today**
 - Autonomous teaching in the course "Lighting Issues", 6 ECTS, winter semester, MSc "Sustainable and Social Design" (renamed to "Sustainable Architectural Space Design" in 2022) Department of Interior Architecture, School of Applied Arts and Culture, University of West Attica.
- **2013 - Today**
 - Supervision of 40 diploma theses in the MSc "Lighting Design", 24 ECTS, School of Applied Arts HOU.
- **2020 - Today**
 - Supervision of 4 diploma theses in the MSc "Sustainable and Social Design", 6 ECTS, Department of Interior Architecture, School of Applied Arts and Culture, University of West Attica.
- **2015 - 2016**
 - Teaching in the Training School "Lighting Design" organized by COST action ES1204 in Berlin in October 2015, Lecture "Lighting Malpractices".
- **2014 - 2015**
 - Teaching in the Erasmus IP summer school "LiDe Lighting Design: State of the Art and Technology", ESAD, Porto (4 ECTS), Lecture "Lighting Malpractices".
- **2013 - 2014**
 - Teaching in the Erasmus IP summer school "LiDe Lighting Design: State of the Art and Technology", NTUA, Athens (4 ECTS), Lecture "Lighting Malpractices".

Auxiliary teaching

- **2024 - 2025**
 - Supervision of diploma thesis MSc in Energy Systems, University of West Attica, Heriot Watt University Panagiotis Amprachamian, Successful examination: 21.10.2025.
- **2023 – 2024, 2025-2026**
 - Partial auxiliary teaching in the undergraduate elective course "Energy Management" 4 ECTS, 7th Semester, School of Mechanical Engineering, National Technical University of Athens, responsible professors Mr. Karellas Sotiris, Platonas Pallis. Lecture for the introduction to Lighting Issues.
- **2018 - Today**
 - Partial auxiliary teaching in the postgraduate course "Principles and practices of sustainable design" 6 ECTS, MSc "Interior Space Architecture: Sustainable and Social Design",

Department of Interior Architecture of the School of Applied Arts and Culture, University of West Attica, responsible professor Mrs. Maro Sinou. Lecture for the introduction to Lighting Issues.

- **2018 - Today**
 - Partial auxiliary teaching in the postgraduate course "Design interventions in urban public space: sustainable/social design" 6 ECTS, MSc "Interior Space Architecture: Sustainable and Social Design", Department of Interior Architecture of the School of Applied Arts and Culture, University of West Attica, responsible professor Mrs. Maro Sinou. Lecture on Light Pollution.
- **2018 - 2019**
 - Partial auxiliary teaching in the postgraduate course "Environmental Design of Buildings" 6 ECTS, MSc "Applied Environmental Protection Policies and Techniques", Department of Civil Engineering, University of West Attica, responsible professor Maro Sinou. Lecture for the introduction to the basics of lighting.
- **2015 - 2016**
 - Partial auxiliary teaching in the postgraduate course "Energy design and upgrading of buildings", 8.5 ECTS, winter semester, MSc "Earthquake and Energy Upgrading of Structures and Sustainable Development", Department of Civil Engineering T.E., AEI TT Piraeus, responsible professor Mr. Stelios Zerefos. Lecture on the energy upgrading of buildings in lighting.
- **2006 - 2015**
 - Partial auxiliary teaching in the postgraduate course "Energy Saving in Buildings", course leaders, Stavroula Kavatzas and Fragiskos Topalis, MSc "Energy Production and Management", lectures on lighting control and lighting sensors, School of Electrical and Computer Engineering, NTUA.
- **2004 - 2015**
 - Partial auxiliary teaching in the undergraduate elective course "Lighting technology", Electric Power Sector, School of Electrical and Computer Engineering, NTUA, responsible professor, Fragiskos Topalis.
 - Supervision of weekly laboratory exercises, exercise leader and correction of students' laboratory reports.
- **2004 - 2020**
 - Supervision of diploma theses with responsible professor, Mr. Fragiskos Topalis.

B.4 Other teaching in higher education

2025-2026

- “Sustainable Exterior Lighting and Light Pollution” at the Awareness Raising Event Programme, Mulungushi International Conference Centre, Lusaka, Zambia, January 9, 2026, within the framework of the ELECT program (Energy efficient lighting for clean energy transitions in Zambia) (Host Professor: Brian Halubanza).
- “From Threads to Rays: Teaching Sustainability through Light and Materiality” Sustainable and Innovative Approach to textile design Education, 11 – 12 December 2025, Monastir, Tunisia, within the framework of the PALETA Erasmus+ program (Host Professor: Ikbel Charfi).

- “Lighting Quality in Exterior Places”, “Lighting Quality in Interior Places” Rovuma University, Mozambique, Nampula, October 15, 2025, within the framework of the SLSIM programme (Capacity Building for Sustainable Lighting Solutions in Mozambique) (Host Professor: Guedes A. Caetano).

2024-2025

- “New tools for education” Athens, July 8, 2025, within the framework of the PALETA Erasmus+ program (Host Professor: Stelios Zerefos).
- “Energy Efficiency and Sustainability in Lighting”, “Lighting design principles”, “Lighting planning and design”, “Experiments in Lighting”, “Practical Session: Measurement of Lighting Performance”, at the Instituto Superior Politécnico de Songo, Mozambique, June 16-17, 2025, within the framework of the SLSIM programme (Capacity Building for Sustainable Lighting Solutions in Mozambique) (Host Professor: Félix Mateus).
- “Light Pollution”, “Case Studies and Light Malpractices” May 13-15, 2025, Aalborg University, Architecture, Design & Media Technology, Copenhagen, Denmark (Host Professor: Georgios Triantafyllidis).
- “Modern Teaching Strategies for Lighting Education”, “Lighting planning and design”, “Introduction to Photometry and photometric measurements Experiments in Lighting”, “Practical Session: Measurement of Lighting Performance”, “Introduction to Relux”, “Lighting Design Software” and “Practical Session: Simulating Lighting Solutions in Relux” Rovuma University Cultural Center, Mozambique, Nampula, April 9-11, 2025, within the framework of the SLSIM programme (Capacity Building for Sustainable Lighting Solutions in Mozambique) (Host Professor: Guedes A. Caetano).
- “The impact of Human Centric Lighting in lighting design”, March 27-29, 2025, University Of Naples Federico II, Department Of Industrial Engineering, Naples, Italy (Host Professor: Laura Bellia).

2023-2024

- “Human Centric Lighting”, “Light Pollution”, “Case Studies and Light Malpractices” as part of the “Lighting Course”, May 25-30, 2024, Université Paul Sabatier- Toulouse III, Department of Electricity and Energy, Toulouse, France (Host Professor: Georges Zissis).

2022-2023

- “Human Centric Lighting”, “Mimic Lighting and Light Pollution”, “Case Studies and Light Malpractices” as part of the “Lighting Course”, November 20, 2022, December 18, 2022, and May 24, Department of Interior Building and Environment Design, Shenkar, College of Engineering, Design and Art, Israel, online (Host Professor: Rebeka Vital).
- “Introduction to Relux and interior lighting with Relux” for the Centre for lighting and energy efficiency studies (CLEES), part of the “Reskilling and upskilling workshop series”, Jigme Namgyel Engineering College, Royal University of Bhutan, online, September 15, 2022.

2021-2022

- “Fundamental introduction to Relux and hands-on exercises” for BE4PE students, part of the “Advance Illumination Engineering” course, Department of Electrical Engineering, Jigme Namgyel Engineering College, Royal University of Bhutan, online, April 7, 2022.
- “Lighting in the Urban environment, light pollution”, Theories of Architecture, City and Landscape, Open Lectures, Online March 9-30, 2022, within the framework of the collaboration between POLIMI (Politecnico Milano 1863, Master program “Sustainable Architecture and

Landscape Design”) and UniWA (University of West Attica, Master program “Sustainable and Social Design”).

2018-2019

- “Course testing and feedback, Lighting Design principle and process – Relux training”, Eduardo Mondlane University, Mozambique, Maputo, November 29, 2018, within the framework of the EARLI programme (Promoting education and research on energy efficient lighting and renewable energy for sustainable development, 2018-2019).
- “Lighting Design principle and process – Relux training”, Addis Ababa Institute of Technology (AAiT), Addis Ababa, October 30, 2018, within the framework of the EARLI programme.
- “Course testing and feedback, Lighting Design principle and process – Relux training”, University of Dar es Salaam CoICT Campus – Kijitonyama, Dar es Salaam, Tanzania, January 14, 2019, within the framework of the EARLI programme.
- “Setting guidelines for efficient lighting and ‘efficient’ procurement criteria”, Thimphu, Bhutan, January 7, 2019, within the framework of the Promoting Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB) program, 2016-2018, Erasmus+ Program.
- Visiting Professor at Technische Hochschule Nürnberg, Germany, May 20-21, 2019, within the framework of the ERASMUS+ Staff Mobility Program for Teaching.
 - Lecture: “Light Pollution”.

2017-2018

- Visiting Professor at Technische Hochschule Nürnberg, Germany, June 13-15, 2018, within the framework of the ERASMUS+ Staff Mobility Program for Teaching.
 - Lectures: “Introduction to RELUX”, “Lighting calculation and simulation using Relux”, “Presenting Hellenic Open University – School of Applied Arts (Lighting Design) and National Technical University of Athens – Photometry Lab”.

2016-2017

- “Energy efficient lighting design, a short introduction”, Kathmandu, Nepal, January 6, 2017, within the framework of the ELNAB Erasmus+ Program.
- “Light tuning, Street light”, Thimphu, Bhutan, March 10, 2017, within the framework of the ELNAB Erasmus+ Program.
- “Energy efficient lighting design, a short introduction”, Thimphu, Bhutan, March 10, 2017, within the framework of the ELNAB Erasmus+ Program.

B.5 Laboratories - Workshops

2025-2026

- “Relux and Reality: How to read and utilize photometries correctly”, enLIGHTening Fridays of the HUB, Ilioupoli, November 28, 2025.
- “Lighting the Past: From Theory to Urban Practice”, International Workshop, Hellenic Open University, Library Building, Athens, September 15-17, 2025.

2024-2025

- “Lighting Issues”, Workshop, Lighting Hub, Thessaloniki, February 21, 2025.

2018-2019

- “Experimentation in lighting design, using luminaires in a real space”, Hellenic Open University – Municipality of Cholargos, Villa Saligarou, May 15-17, 2019.

2017-2018

- “Lighting measurements and applications: Approaching the broad educational subject”, Studies Festival, “SpoudaseFest”, Hellenic Open University, Technopolis City of Athens, May 20, 2018.
- “Experimentation in lighting design, using luminaires in a real space”, Hellenic Open University – Municipality of Cholargos, Villa Saligarou, May 15-17, 2018.

2014-2015

- “Working by sites in Berlin and lighting design” Erasmus Intensive Programme 2014-2015, “Lighting Design and Light Pollution”, Berlin, October 5 - October 10, 2015.

2013-2014

- “Working by sites in Porto and lighting design” Erasmus Intensive Programme 2013-2014, “Lighting Design: State of the art and new trends”, Porto, June 23 - July 4, 2014.

2012-2013

- “Working by sites in Athens and lighting design” Erasmus Intensive Programme 2012-2013, “Lighting Design: State of the art and new trends”, Athens, June 24 - July 5, 2013.

B.6 Seminars

2025

- “Lighting design and cultural heritage” Organized by HOU, January 9. Presentation: “Lighting design issues in cultural heritage for lighting professionals”.
- “Lighting design and cultural heritage” Organized by HOU, January 10. Presentation: “Lighting design issues in cultural heritage for lighting installation electricians”.

2024

- “Store interior design and shop window display” Organized by the Cyclades Chamber of Commerce, Wednesday, April 4. Presentation: “Shop window design (idea, storefront layout, lighting, signage)”.
- “Seminars on Selected Projects / Good Practices for the Transition to Climate Neutrality” Presentations on “Current legislative framework” and “Selected projects – Good practices – Bad practices” Organized by DAFNI in collaboration with the ICF – PLANET consortium, Friday 22/03/2024 (Municipalities from North Aegean, South Aegean, and Crete), Wednesday 27/03/2024 (Municipalities from Peloponnese), Thursday 28/03/2024 (Municipalities from Western Macedonia).

2014-Today

- “Tunnel Lighting”, “Tunnel Lighting – Relux simulation tool”, for the companies GlobiLed (Athens, March 2021), Signa Systems (Ankara, Turkey, 2019), EAE Aydinlatma A.S. (Istanbul, Turkey, 2017), ISBAK-ISTANBUL Bilisim Ve Akilli Kent Teknolojiler (Istanbul, Turkey, 2016), General Electric (Istanbul, Turkey, 2015), Hepper Group (Ankara, Turkey, 2014).

2020-2021

- Lighting Design, Human-Centric Lighting, Light Pollution, Introduction to RELUX, April 2021, 4 presentations part of the seminar ‘Architectural Lighting: Decorative element or catalytic factor of composition?’ AKTO, Art & Design Studies College.

2019-2020

- “Lighting design Basics”, “Introduction to Relux simulation tool”, “Interior - Relux simulation tool”, “Exterior, road light - Relux simulation tool” for the company Techlight, Athens, July 2020.

-
- “Lighting design, theory and computer programs”, November 12-13, 2019, Landmark Hotel, Nicosia, Cyprus. Organized by the Cyprus Employers and Industrialists Federation (OEB), Department of Studies, Training, and European Programs. 3-day seminar.

2016-Today

- “Lighting design Basics”, “Introduction to Relux simulation tool”, “Interior - Relux simulation tool”, “Exterior - Relux simulation tool”. Collaboration for conducting seminars with Kafkas Institute of Training and Development (KAFKAS S.A.). 4-day seminar.

2015-2016

- “Lighting design Basics”, “Introduction to Relux simulation tool”, “Interior - Relux simulation tool”, for a seminar to a private individual, Doha, Qatar.

2012-2014

- Training of energy auditors, Module "Lighting – Lighting Systems", National Technical University of Athens "Program - Energy Auditors Seminars: Supporting the certification of Energy Auditors". Scientific director Professor Kakkaras.

2011-2012

- Training of "Bel Lighting" company personnel (Greek luminaire manufacturing company) "Photometry – Lighting Technology", July 17-18, 2012.

2006-2007

- BEST Athens Spring Course “Let there be light”, National Technical University of Athens, 20-28 March 2007.

C. Publications

According to Scopus, 1,932 citations have been recorded with an h-index of 24; according to Google Scholar, 2,979 citations have been recorded with an h-index of 28 and an i10-index of 42.

C.1 Books

- Lambros Doulos, Panagiotis Kontaxis, “Lighting in Practice: Technology, Design and Energy Solutions”, Tsotras Publications, ISBN: 978-960-538-938-3, Athens 2025.
- Lambros T. Doulos, Monograph “Rational design of lighting installations and energy saving”, Volume C' of the Postgraduate program Lighting Design – Multimedia in Module SFP60, School of Applied Arts, Hellenic Open University, ISBN: 978-960-538-932-1, Patras 2013.
- Lambros T. Doulos, Konstantinos Bouroussis, “Design of lighting projects”, Volume B' of the Postgraduate program Lighting Design – Multimedia in Module SFP60, School of Applied Arts, Hellenic Open University, ISBN: 978-960-538-938-3, Patras 2013.

C.2 Publications in peer-reviewed scientific journals with Impact Factor

- Mesloub, A., Said Mohamed, M. A., & Doulos, L. T. (2026). Performance Comparison of STPV and Split Louvers in Hot Arid Climates. *Buildings*, 16 (1), 117. (Impact factor 3.1; 5-Year Impact factor 3.2).
- Balafoutis, T., Skandalis, C., Niavis, S., Doulos, L. T., & Zerefos, S. C. (2025). Light Pollution Beyond the Visible: Insights from People’s Perspectives. *Urban Science*, 9 (7), 251. (Impact factor 2.9; 5-Year Impact factor 2.7). In this article, 2 citations have been made according to scopus.com and 6 citations according to scholar.google.gr.
- C. Skandalis, S. Zerefos, A. Tsangrassoulis, A. Peña-García, G. A. Triantafyllidis, G. Zissis, L. T. Doulos (2025). Reviewing the parameters that affect sustainability and energy efficient concepts in road and urban lighting design. *Journal of Cleaner Production*, 490, 144607. (Impact factor 10.0; 5-Year Impact factor 10.7). In this article, 3 citations have been made according to scopus.com and 3 citations according to scholar.google.gr.
- M. Tomasovits, S. Zerefos, A. Tsangrassoulis, Balafoutis Th, R. Vital, E.N.D. Madias, L.T. Doulos (2025). The impact of facade lighting on environmental sustainability: Investigation methods. *Renewable and Sustainable Energy Reviews*, 210, 115246. (Impact factor 16.3; 5-Year Impact factor 17.5). In this article, 2 citations have been made according to scopus.com and 4 citations according to scholar.google.gr.
- Doulos LT. (2025). Opinion: An overview of key issues and trends in lighting education. *Lighting Research & Technology*. 0 (0). (Impact factor 2.2; 5-Year Impact factor 2.5).
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C.6 Peer-reviewed conference posters

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- D. Vasilakis, C. Skandali, L.T. Doulos, “Exploring the Role of Lighting (Natural & Artificial) in Sustainable Building Certifications”, «*Energy in Buildings 2025*», *International Conference*, November 15th 2025, Athens.
- M. Tomasovits, S. Zerefos, A. Tsangrassoulis, and L. Doulos, “The effect of lighting on visual impaired people in the areas public transportation”, «*Energy in Buildings Northern Hellas 2025*», *International Conference*, February 22th 2025, Thessaloniki.
- C. Skandali, S. Zerefos, A. Tsangrassoulis, and L. Doulos, “Exploring the cost-optimal of motor traffic street lighting infrastructure over a 20-year period: first results”, «*Energy in Buildings Northern Hellas 2025*», *International Conference*, February 22th 2025, Thessaloniki.
- L. T. Doulos, P. Bhusal, “Sustainable lighting solutions in developing countries: The case study of Mozambique”, «*Energy in Buildings 2024*», *Europe, the Middle East & Africa International Conference*, November 22th-23th 2024, Athens.
- M. Benetatos, V. Faltsetas, M. Gavrilu, L. Michali, E. Polydouli, G. Skiadopoulos, L. Doulos, “Light games with textiles and printed boxes, light art and celebration”, «*Energy in Buildings 2019*», *8th International Conference*, September 28th 2019, Athens.
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- L.T. Doulos, A. Kontadakis, A. Tsangrassoulis, "How the economical viability of redesigning the lighting system is affected in a typical classroom in Greece by lighting design and daylight zones", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- E. Manolis, L.T. Doulos, Christina Skandali, "Statistical distribution of luminous efficacy of office luminaires", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- A.I. Samiou, L.T. Doulos, S.C. Zerefos, "Assessment of daylighting design strategies in preschool buildings", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- A. Papalambrou, L.T. Doulos, "Studying, Managing and Planning Areas Protected from Light Pollution. The Case of Planning Greece's First National Dark Sky Park", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- O. Ardavani, M. Tomasovits, D. Anninou, E. Velaora, L.T. Doulos, "Experimenting in lighting design using light fixtures in a real space", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- C. Gkazgka, K. Chondos, L.T. Doulos, A. Tsangrassoulis, "Daylight as basic parameter on lighting design in tunnels with vertical openings", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
- I. Papadopoulou, N. Tribizadakis, L.T. Doulos, "Contemporary Lighting Requirements in Museums", «*Energy in Buildings 2018*», 7th International Conference, November 3rd 2018, Athens.
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- E. Anthopoulou, L.T. Doulos, "Energy efficient lighting in existing national motorways. The case study of Egnatia Odos", «*Energy in Buildings 2017*», 6th International Conference, October 21st 2017, Athens.
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- D.M. Iliadis, L.T. Doulos, "Adaptive street lighting and control protocols for urban streets using the revised street lighting standard EN 13201. The case study of V. Olgas Avenue, Thessaloniki", «*Energy in Buildings 2017*», 6th International Conference, October 21st 2017, Athens.
- G. Christodoulaki, S.C. Zerefos, L.T. Doulos, "The contribution of Lighting in the citizens' feeling of safety and the influence on criminality in Municipality of Athens", «*Energy in Buildings 2017*», 6th International Conference, October 21st 2017, Athens.
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C.7 Publications in peer-reviewed national conferences

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- M. Tomasovits, S. Zerefos, A. Tsangrassoulis, L. Doulos, Method for evaluating the lighting of building facades in relation to the phenomenon of light pollution, *METROLOGIA 2025, 9th Regular National Metrology Conference*, June 20-21, 2025, Athens.
- G. Doulos, Ch. Skandali, A. Tsangrassoulis, L. Doulos, Study of the effect of asphalt on street lighting measurements, *METROLOGIA 2025, 9th Regular National Metrology Conference*, June 20-21, 2025, Athens.
- Dorina Moullou, Stelios Zerefos, Thanos Balafoutis, Fragiskos Topalis, Lambros Doulos, About the lighting of lamps: archaeological and photometric approaches, *3rd International Conference on Ancient Greek and Byzantine Technology*, Athens Concert Hall, 19-21 November 2024.
- A. Tsangrassoulis, L. Doulos, E.N. Madias, A. Kotsenos, A. Kontadakis, I. Gonos, Estimation of energy saving through the control of a human-centric lighting system in office spaces, *13th National Conference on Mild Forms of Energy I.H.T.*, Athens, 15-17.05.2024.
- Papalambrou A., Xanthakis M., Doulos L., "Aenos International Dark-Sky Park – The first in Greece", *11th Panhellenic Conference on Ecology*, Patra, 4-7 October 2023.
- L. Doulos, "Actions for the integration of light pollution control in national level regulations", *12th Panhellenic Conference of Amateur Astronomy*, University of Patras, 14-16 October 2022.
- M. Xanthakis et al., "Actions for the declaration of Aenos National Park of Kefalonia as an International Dark-Sky Park", *12th Panhellenic Conference of Amateur Astronomy*, University of Patras, 14-16 October 2022.
- A. Tsangrassoulis, A. Kontadakis, L. Doulos, K. Laskos, "Impact of the requirements of the new regulation for natural lighting (EN17037) on the energy balance of office buildings", *12th National Conference on Mild Forms of Energy*, Thessaloniki, 7-9 March 2021.
- Lambros Doulos, Antonis Kontadakis, Fragiskos V. Topalis, Aris Tsangrassoulis, "Calculation of energy savings using measurements of level adjustment equipment for DC powered LED luminaires", *7th Regular National Metrology Conference*, Athens, 11-12 May 2018.
- Lambros Doulos, Konstantinos Bouroussis, Fragiskos V. Topalis, "Application of the UEFA lighting regulation at the «Apostolos Nikolaidis» football stadium for visual result optimization", *7th Regular National Metrology Conference*, Athens, 11-12 May 2018.
- A. Tsangrassoulis, L. Doulos, A. Kontadakis, F. Topalis, "Comparison of calculation methodologies for the reduction of electric lighting consumption due to the use of natural lighting", *11th National Conference on Mild Forms of Energy*, Thessaloniki, 14-16 March 2018.
- L. Doulos, D. Moullou, F.V. Topalis, "Light sources and lighting conditions in the houses of ancient Greece. Photometric analyses", *Lux in Tenebris. Artificial lighting from antiquity to today*, Seminar at Benaki Museum, 10 March 2012, Athens.
- Margarita Vlami, Lambros Th. Doulos, Fragiskos V. Topalis, "Technical preparation actions for the project: «Energy saving in the Municipality of Voula»", *11th Panhellenic Conference of the Institute of Production Management of the Hellenic Management Association*, Athens, 9-10 December 2010.

- Lambros Doulos, Aris Tsangrassoulis, Fragiskos V. Topalis, "Exploitation of natural lighting and energy saving with the use of intelligent control systems", *Symposium for the 170 Years of NTUA*, 4 December 2007.
- Lambros Doulos, Aris Tsangrassoulis, Fragiskos V. Topalis, "Management of lighting sensors to achieve visual comfort conditions and energy efficiency optimization", *2nd Panhellenic Conference of Mechanical and Electrical Engineers*, Athens, 16-18 May 2007.
- Lambros Doulos, Aris Tsangrassoulis, Fragiskos V. Topalis, "Development of a system for the automatic adjustment of artificial lighting with the aim of optimal exploitation of natural lighting", *Conference on Scientific Research at NTUA*, Plomari Lesvos, 5-8 July 2007.

C.8 Publications of lighting projects

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- "Aenos National Park is declared the first International Dark-Sky Park in Greece", *Electrologos and Lighting Salon e-magazine*, 12 June 2023.
- "Aenos National Park is declared the first International Dark-Sky Park in Greece", *KTIRIO e-magazine*, 17 June 2023.
- Lambros Doulos, "Impressive new lighting, A model project with modern systems that saves energy and respects the environment", *The Magazine, Edition of the Municipality of Papagou-Cholargos*, Issue 1, October 2020.
- Lambros Doulos, "Innovative luminaire design proposals from six students", *Electrologos and Lighting Salon*, Issue 315, May 2019.
- Lambros Doulos, "International Light Day: Dynamic presence by students at the lighting laboratory in Villa Saligarou", *Electrologos and Lighting Salon e-magazine*, 16 May 2019.
- Lambros Doulos, "Villa Saligarou «shone» for international light day", *Electrologos and Lighting Salon*, Issue 305, June 2018.
- Lambros Doulos, "Evaluation of street lighting projects and selection of criteria from the perspective of «Special Lighting» as an independent consultant", *Construction Issues*, Issue 215, November - December 2017.
- Lambros Doulos, Konstantinos Bouroussis, Fragiskos V. Topalis, "Systems for conducting photometry in roads and tunnels", *Modern Technical Inspection*, Issue 230, July 2011.
- Lambros Th. Doulos, Kon. Bouroussis, Fr. Topalis, "Light from the sun in Ancient Messene", *Eleftherotypia Newspaper*, 1 March 2010.
- Lambros Th. Doulos, Kon. Bouroussis, Fr. Topalis, "Tunnel without blindness with an NTUA patent", *Eleftherotypia Newspaper*, 1 March 2010.

C.9 Other publications

- Lambros Doulos, «Square Lighting: Technical Requirements and Modern Approaches», *Electrologos and Lighting Salon*, Issue 384, September, 2025.
- Lambros Doulos and Spyros Borotis, «Lighting education for the promotion of cultural buildings», *Electrologos and Lighting Salon*, Issue 378, March, 2025.
- Georges Zissis et al., «The interdisciplinarity of lighting at the center of the HOU event», *Electrologos and Lighting Salon*, Issue 375, November, 2024.
- Lambros Doulos, «Parameters determining the correct use of ceiling luminaires in professional spaces», *Electrologos and Lighting Salon*, Issue 372, July - August, 2024.

- Lambros Doulos, personal interview in the «Fit for green» column of *Epixeiro.gr*, «From smart lighting to the dark sky», 15 May 2024.
- Lambros Doulos, «Parameters determining the correct use of recessed floor luminaires», *Electrologos and Lighting Salon*, Issue 368, March, 2024.
- Lambros Doulos, «Street Lighting: Present and Future», *Electrologos and Lighting Salon*, Issue 362, September, 2023.
- Lambros Doulos, «The problem of light pollution requires an interdisciplinary approach for its resolution», *Electrologos and Lighting Salon*, Issue 361, July-August, 2023.
- Christos Grigoropoulos et al., «Lighting: Its inseparable relationship with humans and the impact on the environment», *Electrologos and Lighting Salon*, Issue 353, November 2022.
- Lambros Doulos, «Use of UV-C technologies and methodologies for limiting the coronavirus disease pandemic», *Electrologos and Lighting Salon*, Issue 346, March 2022.
- Lambros Doulos et al., «Security lighting in buildings. Specifications, design», *KTIRIO*, Issue 3, March, 2022.
- HUB Lighting & Innovation by Kafkas, «Creative lighting solutions and unique events», *Electrologos and Lighting Salon*, Issue 345, February 2022.
- Lambros Doulos et al., «New T.E.E. Technical Instruction for natural and artificial lighting: Key points», *KTIRIO*, Issue 8 September 2021.
- Lambros Doulos et al., «Building lighting: The new Technical Instruction «Artificial and natural lighting of buildings» and its contribution to equipment control and completion-acceptance of a lighting project», *Construction Issues*, Issue 237, July-August 2021.
- Lambros Doulos et al., «Importance and psycho-physiological effects of lighting», *Electrologos and Lighting Salon*, Issue 336, April 2021.
- Lambros Doulos, «Temporal lighting modulation in LED systems», *Electrologos and Lighting Salon*, Issue 329, September 2020.
- Lambros Doulos, «Beneficial and harmful lighting conditions», *Electrologos and Lighting Salon*, Issue 327, June 2020.
- Lambros Doulos, «The beneficial properties of lighting», *Ta Nea Newspaper*, 15 May 2020.
- Lambros Doulos, «16 May, World Lighting Day, OEB», *Cyprus Employers & Industrialists Federation*, 16 May 2019.
- Lambros Doulos, «World Lighting Day», *Ta Nea Newspaper*, 16 May 2019.
- Lambros Doulos, «Winter is coming», The impact of daylight saving time, *Ta Nea Newspaper*, 11 April 2019.
- Lambros Doulos, «Design of street lighting projects», *Electrologos and Lighting Salon*, Issue 305, June 2018.
- Lambros Doulos, Aris Tsangrassoulis, «Optimization of energy savings using level adjustment equipment measurements for DC powered LED luminaires in school classrooms», *Modern Technical Review*, Issue 282, May-June 2018.
- Lambros Doulos, «Street lighting and light pollution - Prevention and mitigation methods», *EcoTec*, Issue 139, May 2018.
- Lambros Doulos, «Shining examples», *Plant*, January 2018.
- Lambros Doulos, Aris Tsangrassoulis, «Garden lighting from a technical point of view», *Electrologos and Lighting Salon*, Issue 293, May 2017.

- Lambros Doulos, "What are the new energy saving lamps", *Electrologos and Lighting Salon*, Issue 297, October 2017.
- Lambros Doulos, Aris Tsangrassoulis, "Interior lighting design from a lighting designer's perspective", *Modern Technical Review*, Issue 271, July - August 2016.
- Lambros Doulos, Konstantinos Bouroussis, "Computational programs and the traps they hide", *Electrologos and Lighting Salon*, Issue 287, November 2016.
- Aris Tsangrassoulis et al., "Workplace lighting design according to European standards", *KTIRIO*, Issue 1/2014, January 2014.
- Lambros Doulos et al., "The exploitation of natural lighting with sensors", *KTIRIO*, Issue 252, October 2013.
- N. Chondrakis, L. Doulos, F.V. Topalis, "Dimmable electronic ballasts and their impact on lamp life", *Illuminacao*, 2, September 2010.
- Lambros Doulos, "Development of a system for the automatic adjustment of artificial lighting aiming at the optimal exploitation of natural lighting", *Technical Annals*, Issue 6, November-December 2010, NTUA PhD Summary.
- Lambros Doulos et al., "Methods for better exploitation of natural lighting", *Electrologos*, Issue 198, October 2008.
- Lambros Doulos et al., "Management of lighting sensors to achieve visual comfort conditions and optimization of energy performance", *Bulletin of the Panhellenic Association of Mechanical and Electrical Engineers*, Issue 398, May 2007.

C.10 Creation of university teaching material

- «Capacity Building for Sustainable Lighting Solutions in Mozambique (SLSIM)», 2023 -2026, Erasmus + Program. Creation, Design and development of lighting-related educational material for Mozambique's university institutions.
- «Bridging sustainable lighting and value preservation of cultural buildings (CultureLights)» Grant Agreement number 2021-1-IT01-KA220-VET-000033077 under the European program ERASMUS+. Creation, Design and development of methodologies and training content for emerging roles and needs in the sector of cultural heritage protection related to lighting.
- «Environmentally Conscious Smart Lighting / ECOSLIGHT» KA2: Cooperation for innovation and the exchange of good practices - Sector Skills Alliances (Working packages: - Identification of emerging roles and needs in the lighting-related construction sector, and - Design and development of training methodologies and contents) Erasmus+ (2019-2021). Creation, Design and development of methodologies and training content for emerging roles and needs in the lighting-related construction sector.
- «Promoting Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB)», 2016 -2018, Erasmus + Program. Creation, Design and development of lighting-related educational material for university institutions in Nepal and Bhutan.
- Creation of educational audiovisual material "Lux in Vitro: A tour of the lighting of the past" (Production: Photometry Laboratory, NTUA), Byzantine Culture Museum of Thessaloniki, Nationwide action: "Environment and Culture". Organization: General Directorate of Antiquities and Cultural Heritage of the General Secretariat of Culture of the Ministry of Education and Religious Affairs, Culture and Sports. Action theme 2012: Fire, titled "Light of the all-artistic fire - Radiant stories of fire" 11 - 14 October 2012.

- Writing of notes “Techniques and rules for rational design of lighting projects” after approval by the Governing Board of the H.O.U. provided to postgraduate students of the Lighting Design program within the Module SFP 60 of the School of Applied Arts of the Hellenic Open University for the academic periods 2011-2012 and 2012-2013.
- Writing of educational material “Training of energy auditors - educational material”. Technical Chamber of Greece, 2011, Module: DE5, Energy saving & management technologies of E/M systems, Paragraphs 1.4 “Lighting technologies” (Conventional electromechanical systems) and 1.10 “Saving in lighting” (Energy saving technologies), Lambros Th. Doulos, Aris Tsangrassoulis and Fragiskos V. Topalis.
- Writing of educational material “Training of energy auditors - educational material”. Technical Chamber of Greece, 2011, Module: DK5, Electromechanical interventions for improving the energy behavior of the building, Chapter 4 “Lighting”, Lambros Th. Doulos, Aris Tsangrassoulis and Fragiskos V. Topalis.
- Writing of educational material for laboratory exercises of the undergraduate course Photometry (NTUA School of Electrical and Computer Engineering, Electric Power Sector, responsible professor: Topalis Fragiskos, Professor), 2010.
- Creation, development, training and support of material for training professionals in the building sector within the following European project for the University of Athens “Development of a distant-learning training module on energy efficient integrated building design in Urban Environment and Pilot action involving the production and promotion of modules for the initial training for building professionals and craftsmen/technicians”, SAVE (13) Projects 2000, (4.1031/P/00-013/2000).
- Creation, development, training and support of material for training professionals in the building sector within the following European project for the University of Athens “SMART-BE, targeting on the development of educational system based on the web for training on smart buildings”, LEONARDO

C.11 Editing of conference proceedings

- Charalambopoulos, Deligkiozi, Khallil, Daskalaki, Kiosses, Vallejo, Todorovic, Blagojević, Vrachopoulos, Coelho, Koukou, Stathopoulos, Simonetti, **Doulos**, 7th International Conference on ENERGY in BUILDINGS 2018 Athens, Hellas November 3, 2018 ISSN: 2241-9748 ISBN: 978-618-82991-5-3
- Charalambopoulos, Deligkiozi, Balaras, Khallil, Kakali, Badogiannis, Daskalaki, **Doulos**, 6th International Conference on ENERGY in BUILDINGS 2017 Athens, Hellas October 21, 2017 ISSN: 2241-9748 ISBN: 978-618-82991-2-2
- Balkan Light 2015, the 6th Balkan Light Conference, Athens, Greece, 16-19 September, 2015

C.12 Theses

- L.Th. Doulos, «Zero consumption lighting system for school buildings», Postdoctoral Thesis, University of Thessaly, Volos, 2019.
- L.Th. Doulos, «Development of a system for the automatic adjustment of artificial lighting aiming at the optimal exploitation of natural lighting», Doctoral Thesis, NTUA, Athens, 2010.
- L.Th. Doulos, «Study of surface temperatures of building materials in the urban environment», Master's Thesis, University of Athens, Athens, 2002.
- L.Th. Doulos, «Study of a micro-urban environment», Undergraduate Thesis, University of Athens, Athens, 1999.

D. Design/Consultancy Work

D.1 Lighting Projects

- Lighting study for the Alpha Bank building offices, Korai and Stadiou streets (Interior lighting and highlight lighting), (Designers: A. Skalkou and L. Doulos 6/2025-6/2026)
- Definition of lighting requirements for Attiki Odos tunnels (11/2025-2/2026) Designer: L. Doulos on behalf of TERNA.
- Highlight lighting study of the PATHE Kastro pedestrian bridge on behalf of Nea Odos 1/2026.
- Lighting studies for 43 tunnels and underpasses for the Region of Attica. Designer: L. Doulos, 9/2025-1/2026.
- Lighting study for the Poukamisas educational building complex in Pallini (Interior lighting and highlight lighting), (Designers: A. Skalkou and L. Doulos 6/2025-12/2025)
- Lighting study for a luxury residence in N. Psychiko. (2024-2025) Designers: A. Skalkou and L. Doulos.
- Exterior lighting study for a hotel complex in Ios. (3-6/2025) Designers: A. Skalkou and L. Doulos.
- Lighting study for luxury residences (interior and exterior space) in Lefkada. (2024-2025) Designers: A. Skalkou and L. Doulos.
- Lighting study for aircraft parking area at Chios airport for SirecLED (Chios). Designer: L. Doulos, 11/2025
- Lighting studies for 4 tunnels for Avolux (Oman). Designer: L. Doulos, 10/2025.
- Lighting studies for 13 tunnels on the Thessaloniki FlyOver for SirecLED (Thessaloniki). Designer: L. Doulos, 9/2025.
- Architectural lighting and Theatrical lighting study for the "School theater at Pierce East Campus facilities", Working group ANAPLASI CONSULTING ENGINEERS LTD, (Designers: ALLight, Aikaterini Skalkou, Lambros Doulos, 4-12/2024)
- Lighting studies for 4 tunnels for Avolux (Bosnia). Designer: L. Doulos, 10/2025.
- Definition of lighting requirements for 4 tunnels in Turkey (1/2025) Designer: L. Doulos on behalf of Avolux.
- Lighting study for an office building at 411 Vouliagmenis Avenue (1/2025). Designer: L. Doulos
- Lighting study for the ALFATEC office building in Themi, Thessaloniki and facade highlight lighting. (9-10/2024) Designers: A. Skalkou and L. Doulos.
- Lighting studies for 3 train tunnels for SirecLED (Alexandroupoli). Designer: L. Doulos, 8-9/2024.
- Lighting studies for 10 tunnels for SirecLED (Egnatia Odos, E65). Designer: L. Doulos, 8-9/2024.
- Architectural lighting study for a series of restaurants in the USA, on behalf of STIRIXIS Group, (Designers: ALLight, Aikaterini Skalkou, Lambros Doulos, 3/2024)
- Lighting system upgrade and office lighting study for historic – neoclassical buildings of Alpha Bank, Panepistimiou 45, Pasmazoglou (Designer: Lambros Doulos, 2-5/2024)
- Architectural and functional lighting study for an EKO gas station in Kifissia, on behalf of STIRIXIS Group, (Designers: ALLight, Aikaterini Skalkou, Lambros Doulos, 3/2024)
- Lighting study for a private residence in Ekali, (Designers: Anatolianos Spyros, Lambros Doulos, 12/2023-6/2024)
- Office lighting study for Euronet – Merchant Services (Designer: Lambros Doulos, 5/2023)
- Lighting studies for 10 tunnels for SirecLED (Attica, Peloponnese, Thessaly). Designer: L. Doulos, 5/2023.

- Highlight lighting of the Averof Building, at the NTUA Patission street building complex 2022. (Designer: L. Doulos on behalf of NTUA).
- Lighting study for the Auditorium at Qassim University (2021-2022) for Sultanah Allied Industries in Saudi Arabia in collaboration with Stirixis. Designers: A. Skalkou and L. Doulos.
- Lighting studies for 6 tunnels and definition of lighting requirements for 2 tunnels for Bright S.A. Designer: L. Doulos
- Definition of lighting requirements for the Styliada tunnels of PATHE (2021) Designer: L. Doulos on behalf of TERNA.
- Highlight lighting study of 6 junctions in the urban section of PATHE (2021) Designer: L. Doulos on behalf of Nea Odos.
- Lighting study for open spaces and parking areas (2021) in the Municipality of Paphos, Cyprus for LAKON ATE, Designer: L. Doulos
- Creation of a lighting highlight area (Experience Room) for Hub lighting and innovation (Kafkas group) 517 Vouliagmenis Avenue, Ilioupoli. Designer: L. Doulos (2020-2021).
- Lighting study for the exterior areas of the Sirios Motorway Service Area (MSA) of Nea Odos (2020), Designer: L. Doulos for Nea Odos.
- Creation of a Lighting Masterplan for the NTUA area at the Patission street building complex, lighting study for exterior areas, 2020. (Designer: L. Doulos on behalf of NTUA).
- Lighting study for the SANLEV industrial area (2020), Designer: L. Doulos on behalf of the Steam Boilers and Engines Laboratory (Responsible professor Sotirios Karellas).
- Lighting study for 6 school building complexes of the Municipality of Varis Vouliagmenis Voulas, Designer: L. Doulos on behalf of the Steam Boilers and Engines Laboratory of NTUA (Responsible professor Sotirios Karellas).
- Lighting study for the EDOEAP office building «United Journalists Organization of Supplementary Insurance and Medical Care» Designer: L. Doulos, on behalf of Alpha Domus ATE (2020).
- Lighting study for the brewery complex (exterior and interior spaces) Argyrou Santorini Designers: Grimanelis R., L. Doulos (2019-2020)
- Highlight lighting study for Melissourgios Estate, 42.5km of Kalyvion-Anavyssos Avenue, Designers: Skalkou Aik., L. Doulos (2019)
- Highlight lighting study for the Archaeological Site of the Eetioneia Gate in Piraeus Designers: Anatolianos S., L. Doulos (2018).
- Highlight lighting study for the Katafyki Cave in Dryopida, Kythnos, Designer: L. Doulos (2018).
- Lighting study for a bakery and dining shop Designer: L. Doulos (2018) on behalf of Kometka (<https://kometka.gr/>).
- Tunnel lighting studies Designer: L. Doulos (2016-2018).
- Lighting study for EKO gas stations, Hellenic Petroleum, Athens 2017 – 2019 (Designer: L. Doulos on behalf of NTUA).
- Supervision and lighting study for the Panathinaikos stadium, Athens Designer: L. Doulos 2016.
- Lighting study for METRO stations, STASY, Athens Designer: L. Doulos 2016 – 2017 on behalf of NTUA.
- Lighting study for Fraport offices 2016 (Designer: L. Doulos, Redex).
- Lighting study for the museum «Petros Petropoulos AEBE» 2016 (Designer: L. Doulos for Redex).
- Exterior lighting study for PAEGAE, 2016 (Designer: L. Doulos for PAEGAE).
- Lighting study for the Vasilakis car dealership 2016 (Designer: L. Doulos for Redex).
- Lighting study for the Isuzu car dealership 2016 (Designer: L. Doulos for Redex).

- Lighting study for the Kerakoll factory 2016 (Designer: L. Doulos for Redex).
- Lighting study for Creta Farm offices 2016 (Designer: L. Doulos for Redex).
- Design and implementation of the Lighting Design Laboratory of the School of Applied Arts, Hellenic Open University, Patras 2015 (<http://lightinglab.eap.gr/>) Designers: S. Zerefos, L. Doulos.
- Exterior lighting study for the «Pepsico» factory 2015 (Designer: L. Doulos for Redex).
- Exterior lighting study for the «Karamolegos» factory 2015 (Designer: L. Doulos for Redex).
- Lighting study for Everest offices 2015 (Designer: L. Doulos for Redex).
- Lighting study for the Amynta building offices (ground floor) 2015 (Designer: L. Doulos for Redex).
- Lighting study for NGP Plastic offices 2015 (Designer: L. Doulos for Redex).
- Lighting study for the KLEEMANN factory 2015 (Designer: L. Doulos for Redex).
- Exterior lighting study for «Petros Petropoulos AEBE» 2015 (Designer: L. Doulos for Redex).
- Lighting study for the Nestle factory areas 2015 (Designer: L. Doulos for Redex).
- Lighting study for the Gabel factory 2015 (Designer: L. Doulos for Redex).
- Lighting study for the Papastratos factory 2015 (Designer: L. Doulos for Redex).
- Exterior lighting study for the Sarantis factory (Designer: L. Doulos for Redex).
- Lighting study for upgrading the visual result of Spinalonga 2012 (Designer: L. Doulos for Diathlasis).
- Supervision and lighting study for the Panetolikos stadium, Agrinio 2011 (<http://lighting.ece.ntua.gr/>).
- Lighting study for the National Garden entrances, Athens 2009, (<http://lighting.ece.ntua.gr/>) Designers: Topalis F., L. Doulos.
- Preliminary lighting study for the Archaeological Site of Ancient Messene, Messene 2009, (<http://lighting.ece.ntua.gr/>) Designers: Topalis F., L. Doulos.
- Lighting study for the conference area and library of the new buildings of the School of Electrical and Computer Engineering, Zografou Campus 2009, (<http://lighting.ece.ntua.gr/>) Designers: Topalis F., L. Doulos.
- Office building lighting studies (Designer: L. Doulos for Fotismos, www.fotismos.eu).
- Lighting studies for Metropolis commercial stores 2010 - 2014, Designers: Diamantopoulos G., L. Doulos.
- Lighting studies for commercial stores 2014, Cyclist Designers: Diamantopoulos Doulos.
- Lighting studies for private residences interior and exterior spaces 2004 - 2014 Designers: Diamantopoulos G., L. Doulos.
- Lighting studies for facades, houses, hotels 2003-2004 (www.foss.gr, <https://www.foss-sa.com/>) Designer: L. Doulos.

D.2 Energy saving projects and evaluations

- Road categorization according to EN 13201 for the Municipality of Loutraki – Perachora - Agioi Theodoroi (12/2025). Designer: L. Doulos.
- Lighting measurements in selected street lighting grids of 4 tunnels in Drapetsona and Keratsini and installation evaluation (March 2025) on behalf of the Region of Attica.
- Lighting measurements in selected grids of the OAKA velodrome in Marousi and installation evaluation (January 2025) on behalf of METKA.
- Lighting measurements in selected street lighting grids of the Municipality of Athens and installation evaluation (October 2024) on behalf of METKA.

- Technical evaluation (Due Diligence) of the lighting study and pointing out issues concerning compliance with regulations and technical specifications for the Alpha Bank central building (Stadiou), September, 2024. Evaluator: L. Doulos on behalf of Alpha Bank.
- Technical evaluation of the project (Due Diligence) of the street lighting energy upgrade of the Municipality of Katerini, April, 2024. Evaluator: L. Doulos on behalf of the Municipality of Katerini.
- Lighting measurements in selected street lighting grids of the Municipality of Volos and installation evaluation (March 2024) on behalf of METKA.
- Technical evaluation of the project (Due Diligence) Tunnel lighting of the Region of Attica (Drapetsona, 4 tunnels), (2-5/2024, Evaluator: L. Doulos on behalf of GlobiLED.
- Technical evaluation of the project (Due Diligence) of the street lighting energy upgrade of the Municipality of Agia (Technical evaluation of the project, evaluation of the energy targets of the project, evaluation of maintenance issues and consulting services), October, 2023, Evaluator: L. Doulos on behalf of New Energy Partners and ResInvest.
- Technical evaluation of the project (Due Diligence) of the street lighting energy upgrade of the Municipality of Perama (Technical evaluation of the project, evaluation of the energy targets of the project, evaluation of maintenance issues and consulting services), October, 2023, Evaluator: L. Doulos on behalf of New Energy Partners and ResInvest.
- Technical evaluation of the project (Due Diligence) of the street lighting energy upgrade of the Municipality of Larisa (Technical evaluation of the project, evaluation of the energy targets of the project, evaluation of maintenance issues and consulting services), August, 2023, Evaluator: L. Doulos on behalf of New Energy Partners and ResInvest.
- Evaluation of the lighting system of the field of the «Georgios Karaiskakis» stadium of Olympiacos FC, 4/2023.
- Inspection of the lighting installation regarding the sufficiency of pole placement according to regulations and contractual obligations in a PATHE section on behalf of Nea Odos (6/2023).
- Lighting measurements at junctions of the Nea Odos PATHE Lamia area and installation evaluation (May 2023) on behalf of TERNA.
- Lighting measurements on roads of the Municipality of Corinth and installation evaluation (May 2023) on behalf of METKA.
- Road categorization, calculation of photometric technical specifications and street lighting studies for the Municipality of Corinth (2023). Designer: L. Doulos on behalf of SirecLED S.A. and METKA.
- Evaluation of lighting bids for the upgrade of the lighting system with LED luminaires on the PATHE national road, Agios Konstantinos tunnels, 2022 Designer: L. Doulos, Nea Odos.
- Technical Consultant services regarding the supervision and control of the installation of the project for upgrading the artificial lighting of the exterior areas of the PPA S.A. Port Zone, October – February 2023. Evaluator: L. Doulos on behalf of PPA.
- Tunnel categorization, calculation of photometric technical specifications and tunnel lighting studies for the Region of Western Greece (2022). Designer: L. Doulos on behalf of SirecLED S.A. and METKA.
- Lighting measurements in tunnels of the Nea Odos PATHE Stylida area and installation evaluation (October 2022) on behalf of Nea Odos.
- Technical evaluation of the project (Due Diligence) of the street lighting energy upgrade of the Municipality of Delphi (Technical evaluation of the project, evaluation of the energy targets of the project, evaluation of maintenance issues and consulting services), 04-07, 2022, Evaluator: L. Doulos on behalf of New Energy Partners and Stirixis.

- Electrical measurements, lighting measurements and opinion – evaluation of energy target achievement at the Atalanti junction and MSA (2022). Evaluator: L. Doulos on behalf of TERNA Energeiaki.
- Road categorization according to EN 13201 and indicative lighting studies for the Municipality of Pineios in Peloponnese (2022). Designer: L. Doulos on behalf of SirecLED S.A.
- Lighting measurements in tunnels of EGNATIA Odos (2021-2022) on behalf of AKTOP, in collaboration with SIELIGHT.
- Lighting measurements of open road construction in the Municipality of Volos (2021) on behalf of METKA, in collaboration with SIELIGHT.
- Recording, photography and mapping of geometric data for the calculation of photometric technical specifications (L20, Linterior etc.) of 6 tunnels of PATHE in the area of Stylida (2021). Designer: L. Doulos on behalf of TERNA Energeiaki.
- Member of the project team «Provision of Independent Consultant Services for the Support of the Municipality in Energy Upgrade Services – Automation of Lighting Systems of Common Areas – Smart Cities Applications, with Energy Saving, in the Municipality of Papagou – Cholargos» as lighting manager, in the project team of Waste Water and Energy IKE, 2018-2028. Lighting Designer: L. Doulos.
- Lighting design and evaluation of lighting bids for the upgrade of the lighting system of service stations with LED luminaires of Hellenic Petroleum, 2017-2020, Designers: Topalis F., L. Doulos, NTUA
- Evaluation of lighting bids for the upgrade of the lighting system with LED luminaires on the PATHE national road, 2018 Designer: L. Doulos, Nea Odos.
- Calculation of energy saving in the artificial lighting system of the METRO Sepolia station, STASY, Athens 2016, Designers: Topalis F., L. Doulos, NTUA.
- Lighting design and evaluation of lighting bids for the upgrade of the lighting system with LED luminaires in a building of PAEGAE, National Bank, 2015 Designers: Topalis F., L. Doulos, NTUA.
- Evaluation of bids and lighting studies for the upgrade of the lighting system with LED luminaires in an office building of EVEREST 2015 Designers: Topalis F., L. Doulos, NTUA.
- Calculation of energy saving in the artificial lighting system of the M. Iliadi wing of the Elena Venizelou hospital, Athens 2011 (<http://lighting.ece.ntua.gr/>) Designers: Topalis F., L. Doulos, NTUA.
- Improvement of energy efficiency in the artificial lighting system: Lampadariou Building of the School of Rural and Surveying Engineering at the Zografou Campus, Athens 2010 (<http://lighting.ece.ntua.gr/>), Designers: Topalis F., L. Doulos, NTUA.
- Energy saving studies in the lighting system of school facilities (Public schools of the Municipality of Voula, 2009, Leontios School, Patisia / Nea Smyrni, 2009, Kostea-Geitona, Pallini, 2012), Designers: Topalis F., L. Doulos, NTUA.
- Energy saving studies in the lighting system of office buildings, hotel units, factory facilities, commercial stores, dining and leisure areas (A-LED, www.fotismos.eu). Designer: L. Doulos

E. Participation in research programs

E.1 As Principal Scientific Investigator

- «The impact of exterior building lighting on Sustainability and the environment: Methods for controlling the negative impacts of light pollution». Research Funding Scheme at H.O.U. based on the decisions of the 497th/10-12-2020 and 550th/13-05-2022 meetings of the HOU Governing Board (1/10/2022 – 1/10/2025). Project Code 80375, Scientific Investigator: Lambros Th. Doulos.
- «Elaboration of a Strategic Study and Action Plan for protection from light pollution of priority species in the protected areas of Kefalonia-Ithaca». The project is co-financed by Greece and the European Union, through the Cohesion Fund (CF) within the framework of the O.P. «TRANSPORT INFRASTRUCTURE, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT» 2014-2020. Funded from the Public Investment Budget credits of SAE: 2020SE27510043, (10/09/2020 – 31/12/2021). Scientific Investigator: Lambros Th. Doulos.

E.2 As a member of a Research Team

- “Energy Efficient Lighting for Clean Energy Transitions in Zambia”. ELECT, ERASMUS Lump Sum Grants, Grant agreement number: 101236926 — ELECT — ERASMUS-EDU-2025-CBHE (1/1/2026 – 31/12/2028). Scientific Investigator: Pramod Bhusal, AALTO University, Alternate Scientific Investigator: Lambros Doulos.
- «Development of an Integrated Sustainable Management System for Mobile Cultural Heritage - (SustainHer)». Research Funding Scheme at H.O.U. (01/06/2025 - 31/05/2028) . Project Code 80684, Scientific Investigator: Sotiropoulou Sofia, Alternate Scientific Investigator: Lambros Doulos.
- “PALETT-A - dispositif Pédagogique A intelligence Ecologique pour un enseignement Transdisciplinaire de l’Art, du design et des médias numériques”. 101179187 ERASMUS+ CBHE KA2 (1/1/2024 – 30/11/2027). Scientific Investigator: Ikbel Charfi, Sfax University.
- “Capacity Building for Sustainable Lighting Solutions in Mozambique”. SLSIM, ERASMUS Lump Sum Grants, Grant agreement number: 101128788 (1/11/2023 – 31/10/2026). Scientific Investigator: Pramod Bhusal, AALTO University, Alternate Scientific Investigator: Lambros Doulos.
- “Gamified User-centered Environmental Sustainability for university Students”. Erasmus+ KA2 2023-1-EL01-KA220-HED-000161272 “(GUESS) Sustainability through games for university students” (01/12/2023 - 30/11/2025). Scientific Investigator: Makis Zervas, HOU, Alternate Scientific Investigator: Lambros Doulos.
- «Bridging sustainable lighting and value preservation of cultural buildings (CultureLights)». Grant Agreement number 2021-1-IT01-KA220-VET-000033077 within the framework of the European program ERASMUS+ / KA220-VET. Participation in work packages: IO1 (Structuring and shaping sustainable lighting) and IO2 (Development & Delivery of “Culture Lights” program). Scientific Investigator: RESEARCH INNOVATION AND DEVELOPMENT LAB PRIVATE COMPANY (READLAB P.C.), (4/2023-11/2024).
- Scientific research services for the determination of factors for lighting energy upgrade in different building types. Requirement for fulfillment of the minimum levels of directive 2009/125/EC (ECO

Design) within the framework of Sub-project 1 of the Act «Actions for the promotion of the work of the G.G. of Energy & Mineral Raw Materials». OPS Code (MIS) 5021536, Scientific Investigator: CRES, (1/2023-5/2023).

- «Smart Built Heritage. From register to digital simulation on medieval and early modern structures (SmartBHeritage)». Ecological Transition and Digital Transition Projects 2021, Ministry of Science and Innovation of Spain, 2023-2025.
- COST action: CircularB: CA21103. Implementation of Circular Economy in the Built Environment. Participation in WG1 (Circularity strategies), WG2 (Circular value chain) and WG4 (Dissemination) (2022-2026).
- «Protection of Cultural Heritage and Monuments of Nature from the Effects of Climate Change». ELKE HOU Project Code 80369, Scientific Investigator: Stelios Zerefos.
- «Determination of lighting conditions from antiquity to the industrial revolution. Pro.Pho.S». Research Funding Scheme at H.O.U. based on the decisions of the 497th/10-12-2020 and 550th/13-05-2022 meetings of the HOU Governing Board (1/10/2022 – 1/10/2025). Project Code 80378, Scientific Investigator: Stelios Zerefos, Alternate Scientific Investigator: Lambros Doulos.
- «Research and consulting services on lighting issues». ELKE HOU Project Code 80044, Technical Consultant services for the Port Zone of PPA S.A. (October – February 2023). Scientific Investigator: Stelios Zerefos.
- «Research and consulting services on lighting issues». ELKE HOU Project Code 80044, Photometry of open road construction in the Region of Attica (January – March 2022). Scientific Investigator: Stelios Zerefos.
- «Research and consulting services on lighting issues». ELKE HOU Project Code 80044, Photometry of open road construction in the Region of Thessaly (December 2021- January 2022). Scientific Investigator: Stelios Zerefos.
- «Determination of cost-optimal levels of minimum energy performance requirements for buildings and structural elements & preparation of a national plan for increasing the number of nearly zero-energy buildings». Act code OPS 5030248, Ministry of Environment & Energy, 2022-2023. Scientific Investigator: ZEB.
- «Energy Management Works at NTUA-Code 65226700». Proposals for improving the lighting of the Patisson complex, parking areas, and financial services building. Scientific Investigator: Ioannis Chatjigeorgiou, Vice-Rector of NTUA.
- «Revision of TEE Technical Instructions 20701-1, 20701-2 and 20701-4 and issuance of new ones (RES, Bioclimatic, Photometry, Heating & Air Conditioning, Evaluation of Energy Investments)». Working Subgroup for the issuance of TOTEE "Artificial and Natural lighting of buildings T.O.T.E.E. 20701-7/2021". (30/3/2020-31/12/2020), Ministry of Energy, TEE. Scientific Investigator: Konstantinos Laskos.
- «INNOBOX - Research for the Development of an Innovative Exhibition Design Method & State of the Art 3D Holistic Exhibition System». Project code: T1EDK-04015 WORK SECTION (WS) 3 Engineering -

Lighting - Multimedia applications. «RESEARCH – CREATE - INNOVATE» (ESPA 2014-2020). Scientific Investigators: Polyptychon_Cultural Services | Octanorm Hellas.

- «Environmentally Conscious Smart Lighting / ECOSLIGHT». KA2: Cooperation for innovation and the exchange of good practices - Sector Skills Alliances (2019-2023). Scientific Investigator: Achilleas Kameas.
- «SWS-Heating: Development and Validation of an innovative solar compact selective water-sorbent-based heating system». (63221600), National Technical University of Athens (2020). Scientific Investigator: Sotiris Karellas.
- «Kythnos – Smart Island». Work packages: WP8 Smart street lighting, WP9 Kythnos Smart Island Centre and Smart Training Lab. Sustainable Islands Network – DAFNI, ICCS, (2019-2020). Scientific Investigator: Kostas Komninos.
- «Intelligent artificial lighting control system via local network and sensors at the work level». NTUA, 95008900 Work package: Testing, measurements and processing of sensor network results (2019-2020). Scientific Investigator: Fragiskos Topalis.
- Promoting education and research on energy efficient lighting and renewable energy for sustainable development (EARLI). Part of HEI ICI programme funded by the Ministry for Foreign Affairs of Finland (2018 - 2019). Scientific Investigator: Pramod Bhusal.
- Wide scale demonstration of Integrated Solutions and business models for European smartGRID – WiseGRID. H2020-EU.3.3.4. - A single, smart European electricity grid. (Work Package 14 – Integration and deployment, Work Package 15 – Large scale demonstration) [cite_start](#). Scientific Investigator: N. Hatziaargyriou.
- "Zero Energy Lighting System for Schools (ZELSS)". IKY, scholarship program "Support for Postdoctoral Researchers", MIS 5001552, ESPA 2014-2020 (2017-2019). Scientific Investigator: Aris Tsangrassoulis.
- "Provision of special photometric study services, Lighting studies for the Municipality of Thasos, Municipality of Alexandroupolis, Region of South Aegean and lighting measurements of the «Georgios Karaiskakis» stadium". (6/2018 -12-/2018). Scientific Investigator: Fragiskos Topalis.
- "Photometry of open road construction and tunnels: Lighting measurements of Attiki Odos tunnels and AKTOR ADT in Skopje and junction of C/V APION KLEOS in Ancient Corinth". (6/2018 -12-/2018) Scientific Investigator: Fragiskos Topalis.
- COST action: SHELD-ON CA16226. Indoor living space improvement: Smart Habitat for the Elderly (2017-2019).
- Promoting Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB). 2016 -2018, Erasmus + Program. Scientific Investigator: Pramod Bhusal.
- STARS4ALL, A Collective Awareness Platform for Promoting Dark Skies in Europe. H2020-ICT-2015, funded by the European Union H2020 Programme (2015-).
- COST action: ARKWORK CA15201. Archaeological practices and knowledge work in the digital environment (2016-2018).

- “Conducting photometric measurements in tunnels under delivery and sections of open road construction of Olympia Odos, analysis and processing of measurements”. Funded by APION KLEOS Consortium, AKTOR, J&P (2016 - today). Scientific Investigator: Fragiskos Topalis.
- “Conducting photometric measurements in tunnels under delivery and sections of open road construction of the Aegean Motorway, analysis and processing of measurements”. Funded by SIEMENS (2017). Scientific Investigator: Fragiskos Topalis.
- “Conducting photometric measurements in tunnels in operation and sections of open road construction of Attiki Odos, analysis and processing of measurements and study/calculation of photometric characteristics for energy saving and lighting maintenance optimization purposes”. Funded by ATTIKES DIADROMES S.A. (2013 - today). Scientific Investigator: Fragiskos Topalis.
- COST action: LoNNe ES1204, Loss of the Night Network. (2014-2016) .
- "Development of smart-grid infrastructure in autonomous islands of the Aegean sea". Maturation of energy saving project in municipal lighting on non-interconnected islands (NII) Lesvos, Lemnos, Milos, Kythnos and Santorini. Sustainable Aegean Islands Network (DAFNI), ICCS, 2014. Scientific Investigator: Fragiskos Topalis.
- “Conducting photometric measurements in tunnels in operation and sections of open road construction of Egnatia Odos, analysis and processing of measurements and study/calculation of photometric characteristics for energy saving and lighting maintenance optimization purposes”. Funded by EGNATIA S.A. (2013-2014). Scientific Investigator: Fragiskos Topalis.
- “Intensive IP Erasmus program 2013-2014”. Educational support and preparation for the IP Erasmus Lide2 Lighting Design (2013-2014), funded by IKY, Hellenic Open University. Scientific Investigator: Dimitrios Zevgolis.
- "THALIS- NTUA- Development of an innovative, intelligent system with a digital CCD optical sensor for optimal exploitation of natural lighting and energy saving". Co-financed by the European Union (European Social Fund) and national resources (2012-2015). Scientific Investigator: Fragiskos Topalis.
- "Program - Energy Auditors Seminars: Support for the certification of Energy Auditors". Training of energy auditors 2012-2013, 2013-2014, Module "Lighting – Lighting Systems", NTUA. Scientific Investigator: E. Kakkaras.
- “Intensive IP Erasmus program 2012-2013”. Organization of summer school, technical management (2012-2013), funded by IKY, Hellenic Open University. Scientific Investigator: Dimitrios Zevgolis.
- "Design of a low intensity aeronautical light". (2012), funded by the ESPA "Innovation Vouchers" Program. Scientific Investigator: Fragiskos Topalis.
- Project-Act Framework “Hellenic Open University” Priority Axis 7 EPEDVM, ESPA (2007-2013) MIS 296121. Writing of educational material for the volume "Rational design of lighting installations and energy saving (SFP 60/C)". Scientific Investigators: Charalambos Kokkosis and Theocharis Patargias.
- Project-Act Framework “Hellenic Open University” Priority Axis 7 EPEDVM, ESPA (2007-2013) MIS 296121. Writing of educational material for chapters on exterior lighting design in the volume "Lighting project design (SFP 60/B)". Scientific Investigators: Charalambos Kokkosis and Theocharis Patargias.

- "Calculation of energy saving in the artificial lighting system of the M. Iliadi wing of the Elena Venizelou hospital". Funded by the "Elena Venizelou" Hospital, 2011. Scientific Investigator: Fragiskos Topalis.
- "Lighting study of the Panetolikos stadium". Agrinio, P.A.E. Panetolikos, Kapsalis Technical Company 2011. Scientific Investigator: Fragiskos Topalis.
- "Study for the improvement of energy efficiency in the Lampadarios Building of the School of Rural and Surveying Engineering at Zografou Campus". Submitted to the ESPA operational program «Environment and Sustainable Development» (2010). Scientific Investigator: Fragiskos Topalis.
- "Upgrade of the National Garden". E/M Installations Investigation, Lighting and WiFi network study, Renewable energy installation study. Funded by the Prefecture of Athens (2009-2010), NTUA. Scientific Investigator: K. Moutzouris.
- "Design of a luminaire for an autonomous street lighting system with photovoltaic". (2009-2010), funded by the ESPA "Innovation Vouchers" Program. Scientific Investigator: Fragiskos Topalis.
- "Development program of the School of Electrical and Computer Engineering for the year 2007". (2009), NTUA. Scientific Investigator: A. Stathylopatis.
- "South-East European TSO Challenges (SEETSOC)". Project number 239453, funded by FP7-ENERGY-2008-TREN-1. Scientific Investigator: Fragiskos Topalis.
- "Energy saving in the Municipality of Voula, Attica". Proposal for funding from the «SAVE» Program, ESPA 2007-2013, Municipality of Voula. Scientific Investigator: Fragiskos Topalis.
- "Luminaire design". (2009), funded by the "Innovation Vouchers" Program. Scientific Investigator: Fragiskos Topalis.
- "Energy audits of wind farms, small hydroelectric projects, photovoltaic systems, passive solar systems, cogeneration installations, biomass installations and energy saving installations". (2002-08), Operational program «Competitiveness» - Measure 2.1.3, funded by ELANET. Scientific Investigator: Fragiskos Topalis.
- Bioclimatic studies of buildings and nurseries (Municipalities of Marousi and Voula). Installation of lighting sensors for energy saving in school buildings (Leontios School).
- "Laboratoire virtuel pour éduquer à l'énergie durable (Programme Lifelong Learning)". Programme Energ@tic 2007-2013, Intelligent Energy – Europe (2006-2009). Scientific Investigator: Leontios School.
- "Upgrade and extension of ICCS-NTUA equipment". (2006-2008), funded by the General Secretariat for Research and Technology. Scientific Investigator: Fragiskos Topalis.
- "Strategies for development and diffusion of Energy Efficient Distribution Transformers". Intelligent Energy – Europe (EIE-SAVE), funded by the European Union, Directorate-General for Energy and Transport. Scientific Investigator: Fragiskos Topalis.
- "Conducting photometric measurements in tunnels in operation and sections of open road construction of Egnatia Odos, analysis and processing of measurements and study/calculation of

photometric characteristics for energy saving and lighting maintenance optimization purposes”. Funded by EGNATIA S.A. (2007-2010). Scientific Investigator: Fragiskos Topalis.

- “Quality assurance services in the sector of construction companies for lighting equipment and materials”. (2007-2011), funded by lighting system manufacturing companies. Scientific Investigator: Fragiskos Topalis.
- “Quality assurance of lighting installation equipment”. (2007-2011), funded by lighting system manufacturing companies. Scientific Investigator: Fragiskos Topalis.
- “Development of a system for the automatic adjustment of artificial lighting aiming at the optimal exploitation of natural lighting”. (2005-2008), funded by the “Pythagoras” Program, GSRT – EPAN (scholarship for PhD thesis). Scientific Investigator: Fragiskos Topalis.
- “Development of a model for the determination of photometric quantities in the mesopic vision region”. Basic research enhancement program “Protagoras”, funded by the Senate Committee for Basic Research of NTUA. Scientific Investigator: Fragiskos Topalis.
- “Quality assurance in the sector of luminaire manufacturing”. (2002-07), funded by Greek lighting equipment production industries. Scientific Investigator: Fragiskos Topalis.
- “SYNTHLIGHT, Creation of a European Educational Infrastructure on the energy efficient lighting technologies, assisted by 3D synthetic environment”. SAVE Project 2001, (2004). Scientific Investigator: Manthos Santamouris.
- “Retrofitting for Environmental Viability Improvement of Valued Architectural Landmarks, REVIVAL”. Under the European Commission 5th Framework 'ENERGIE' Programme (2004). Scientific Investigator: Manthos Santamouris.
- “Energy Efficient Industrial Kitchens – Leading the Way to Sustainable Production, INKISUP”. NNE/52/2002 SAVE-2001-101 (2004). Scientific Investigator: Manthos Santamouris.
- “SMART-BE, targeting on the development of educational system based on the web for training on smart buildings”. LEONARDO, (2004). Scientific Investigator: Manthos Santamouris.
- “INTERSET Design guidelines for managers and designers of settlements, urban sites and utilities”. SAVE Project, (2003). Scientific Investigator: Manthos Santamouris.
- “Smart controls and thermal comfort”. (2003). Scientific Investigator: Manthos Santamouris.
- “Development of a distant-learning training module on energy efficient integrated building design in Urban Environment and Pilot action involving the production and promotion of modules for the initial training for building professionals and craftsmen/technicians”. SAVE (13) Projects 2000, (2002-2003). Scientific Investigator: Manthos Santamouris.
- “ESBU, Energy Efficient Sportive Buildings – leading the way”. (2002), Scientific Investigator: Manthos Santamouris.
- “GENESYS, Fuzzy controllers and smart tuning techniques for energy efficiency and overall performance of HVAC systems in buildings”. Contract JOE-CT98-0090 (2002). Scientific Investigator: Manthos Santamouris.

- “Cluster Project on Demand Controlled Hybrid Ventilation in Residential Buildings with specific emphasis of the Integration of Renewables, RESHYVENT”. (NNE5-2001-00107), Joule Project 2000 (2002). Scientific Investigator: Manthos Santamouris.
- "European thematic network on Practical REcommendations for Sustainable COnstruction - PRESCO". EVK-CT-1999-20003 (2002), Scientific Investigator: Manthos Santamouris.
- "Coolbook Building Design for Summer Comfort-European Passive Cooling Handbook". (2002). Scientific Investigator: Manthos Santamouris.
- “Development of a prototype facade unit integrating natural ventilation daylighting, solar protection, intelligent local control and photovoltaic power”. (2002) . Scientific Investigator: Manthos Santamouris.
- “Renewables in the City Environment”. (2002). Scientific Investigator: Manthos Santamouris.
- “Renewable energy sources for information centers in Greek and Spanish islands”. (2002). Scientific Investigator: Manthos Santamouris.
- “Integrated Renewable Technologies in Urban and Sports facilities, IRTUS“. Cluster Project Number: 4.1030/C/00/011 – IRTUS, ALTENER, (2001-2002). Scientific Investigator: Manthos Santamouris.
- “Universal fibre optics: integration of fibre optics in buildings (UFO) “. FPS program, (ERK6-CT1999-00011), (2001-2002). Scientific Investigator: Manthos Santamouris.

F. Laboratory experience

Period	Description
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2013- Today	Scientific associate of the Lighting Design Laboratory of the School of Applied Arts of HOU. Participation in the study and construction of the Laboratory. The Laboratory was institutionalized in 2016 (Gov. Gazette Issue B' 2009/13.06.2017) to provide modern education, design services, measurements and evaluation of lighting projects.
2019- Today	Scientific associate of the research team for presbyopia of the Medical School of Democritus University of Thrace (Scientific Investigator Assoc. Prof. Dr. Georgios Labiris). The collaboration resulted in 1 publication in an international scientific conference.
2018- 2019	Collaboration with University of Applied Sciences Nuremberg, Technische Hochschule Nürnberg Georg Simon Ohm, Faculty of Electrical Engineering, Nuremberg, Germany. Collaboration with Aalto University, Department of Electrical Engineering and Automation, Espoo, Helsinki, Finland, EARLI programme (Promoting education and research on energy efficient lighting and renewable energy).
2017- 2019	Postdoctoral Researcher at the University of Thessaly in the Department of Architectural Engineering with an IKY scholarship «Support for Postdoctoral Researchers» - MIS 5001552 (2017-2019).
2017- Today	Expert at the National Accreditation System (E.SY.D.). Responsible expert for tests and measurements of lighting intensity and luminance and the audit for accreditation of the respective laboratories.
2015- Today	Scientific Manager for KNX and inclusion of HOU as a scientific partner in the KNX organization following the operation of the HOU Lighting Design Laboratory.
2014	Collaboration with Ehime University, Faculty of Engineering, Japan, March - April 2014, NESSIE ERASMUS MUNDUS 2012.
2003- 2025	Scientific associate of the Photometry Laboratory, NTUA, School of Electrical and Computer Engineering. Works as an external associate in research programs, measurements, studies and lighting projects. The collaboration resulted in 6 publications in international scientific journals.
2001- 2003	Scientific associate of the Building Environment Research Group of UoA (University of Athens), Department of Physics. Involved in 11 research projects regarding bioclimatic design and energy saving. The collaboration resulted in 2 publications in international scientific journals

G. Other professional activity

- Official representative and certified instructor of the lighting simulation software RELUX (Switzerland) in Greece and the broader region (2014-Today).
- Independent lighting consultant and designer for research programs, measurements, studies, and lighting projects (2005-Today).
- Technical Expert of the Hellenic Accreditation System (E.SY.D.) for photometric and luminance measurements (2017-Today).

H. Scientific Editor in scientific journals

- Scientific Editor (2025-Today): Next Energy, Next Materials, Next Sustainability (Elsevier).
- Editorial Board Member (2023-Today): Lights (MDPI).
- Editorial Board Member (2021-Today): Buildings (MDPI).
- Editorial Board Member (2021-Today): Heliyon (Cell Press/Elsevier).
- Editorial Board Member (2021-Today): Urban Science (MDPI).
- Associate Editor (2021-Today): Journal of Daylighting (Solarlits).
- Special Issue Guest Editor:
 - "Interior Lighting and Daylighting", *Sustainability* (MDPI), 2021-2022.
 - "New Perspectives on Lighting", *Sustainability* (MDPI), 2022-2023.
 - "Lighting in Buildings", *Buildings* (MDPI), 2023-2024.

I. Reviewer in scientific journals

Has served as a reviewer in more than 35 international scientific journals, including:

- *Energy and Buildings* (Elsevier)
- *Solar Energy* (Elsevier)
- *Building and Environment* (Elsevier)
- *Applied Energy* (Elsevier)
- *Journal of Cleaner Production* (Elsevier)
- *Sustainable Cities and Society* (Elsevier)
- *Energy Conversion and Management* (Elsevier)
- *Lighting Research and Technology* (SAGE)
- *Renewable and Sustainable Energy Reviews* (Elsevier)
- *Energies, Sustainability, Buildings, Applied Sciences* (MDPI)
- *IEEE Access*

J. Awards - Distinctions - Invitations

J.1 Awards

2025

- Exceptional Service Award, ASHRAE Hellenic Chapter – Awarded for distinguished service as President during the Chapter's 25th Anniversary.

2024

- Merit Award, 51st Annual IES Illumination Awards – For the lighting design of the National Technical University of Athens historical complex: *"Highlighting Democracy: Historical Building Complex of NTUA"*.
- International Property Awards: Best International Public Service Design, for the Qassim University Auditorium, Saudi Arabia (in collaboration with STIRIXIS Executive).
- International Property Awards: Best Public Service Interior Saudi Arabia, for Qassim University (in collaboration with STIRIXIS Executive).

2022

- Gold Award, Lighting Awards 2022, Category: *"Enhancing Experience through Lighting"*, for the *"Experience Room"* at HUB Lighting & Innovation by Kafkas.
- Gold Award, Lighting Awards 2022, Category: *"Landscape Lighting"*, for the project: *"Exterior Lighting Design of the Central Area of Melissourgios Estate"*.

2011

- Thomaidis Award for Original Scientific Research, National Technical University of Athens (awarded 4 times).
- Commendation of the Rectorate, National Technical University of Athens (NTUA) – For selfless contribution to the energy upgrade of the University's building facilities.
- Finalist (7th Place), 1st Applied Research and Innovation Competition "Greece Innovates!" (SEV & Eurobank EFG) – For the project: *"Development of an automated artificial lighting adjustment system for optimal daylight exploitation and energy savings"* (July 2011).

J.2 Distinctions

Research Impact & Bibliometric Distinctions

- World's Top 2% Scientists List (Stanford University): Ranked among the top 2% of scientists globally for the year 2022 in the fields of *Mechanical Engineering & Transports, Building & Construction, and Engineering* (Published Oct 2023).
- Scopus/Elsevier Bibliometric Rankings:
 - Top 5 Author (2020–2025) in the topic: *Daylighting Systems for Energy Efficient Buildings* (T.1481).
 - Top 5 Author (2019–2023) in the topic: *Energy Conservation; Office Buildings; Daylighting* (T.1481).
 - Top 5 Author (2018–2022) in the topic: *Energy Conversion; Illuminance; Clerestory* (T.7350).
- Representative High-Impact Articles (Top 3 in Field – Scopus):
 - *"A decision support system for assessment of street lighting tenders based on energy performance indicators and environmental criteria"*, Sustainable Cities and Society (2019). [66 Citations].

- *"Estimating the benefits of increasing the recycling rate of lamps from the domestic sector"*, Waste Management (2020). [34 Citations].
- *"Minimizing energy consumption for artificial lighting in a typical classroom aiming for nZEB using LED DC luminaires and daylight harvesting"*, Energy and Buildings (2019). [95 Citations].
- *"Harvesting daylight with LED or T5 fluorescent lamps? The role of dimming"*, Energy and Buildings (2017). [60 Citations].

Media & Public Outreach

- Documentary Interview: Featured expert in the documentary on Light Pollution by Director Christoforos Anagnostopoulos (Athens, Oct 2025).
- Newspaper Interview (Kathimerini): *"Does all of Athens need the same light? Different requirements for avenues vs. squares and pedestrian paths"* (Published Sept 21, 2025).
- Featured Interview (Epixeiro.gr): *"From Smart Lighting to Dark Skies"*, World Environment Day feature (June 5, 2024).
- Magazine Interview (Electrician Magazine - Ηλεκτρολογος): Issue 361, July-August.

Professional Service & Jury Memberships

- Judge/Juror, IES Illumination Awards (International), Illuminating Engineering Society (2023, 2024, 2025).
- Judge/Juror, "Let's Make Light" International Competition, IEEE Smart Lighting (2023, 2024).
- Jury Member, "KAFKAS 50 YEARS" Lighting Installation Student Contest (July 2025).
- Expert Evaluator, European Science Foundation (ESF) Grant Evaluation Activities (2022).
- Horizon 2020 Evaluator, European Union, Expert in the field of "Photonics" (2016–Present).

Technical Committees & Standardization

- International Commission on Illumination (CIE):
 - TC 3-61: Regional daylight requirements & global harmonization (2022–Present).
 - TC 3-59: Integration of daylight and electric lighting (2021–Present).
 - TC 4-61: Artificial Lighting and its Impact on the Natural Environment (2020–Present).
 - JTC 18 (D3/D4): Lighting Education – Revision of CIE 99:1989 (2019–Present).
 - TC 4-51: Optimization of Road Lighting (2015–Present).
 - TC 4-53: Tunnel Lighting Evolution (2016–Present).
- ASHRAE Standards Committee: Member of SSPC 90.1 (Energy Standard for Buildings) – Lighting and Power Subcommittee.
- IEEE Smart Lighting: Member of the *Future Directions Oversight Committee*.
- National Working Groups (Ministry of Environment & Energy):
 - nZEB National Plan: Working group for determining cost-optimal levels of minimum energy performance requirements.
 - KENAK Revision: Member of the Technical Chamber of Greece (TEE) committee for revising National Technical Guidelines (TOTEE) on Artificial and Natural Lighting (2017–2021).
- Academic Leadership: Director & Chair of the Academic Supervision Committee, MSc in *"Sustainable Interior Design of Buildings (SID)"*, Hellenic Open University (2022–Present).

International Designations & COST Actions

- International Dark Sky Park Designation (Ainos National Park): Lead Scientific Member of the proposal team for the IDA (DarkSky International) certification (Awarded June 2023).

- COST Action SHELD-ON (CA16226): Substitute National Representative – Smart Habitat for the Elderly (2017–2021).
- COST Action ARKWORK (CA15201): National Representative – Archaeological practices and knowledge work in the digital environment (2016–2020).
- COST Action LoNNe (ES1204): Substitute National Representative – Loss of the Night Network (2014–2016).

J.3 International invitations (Speaker)

Keynote & Invited Speeches

- Invited Speaker, "Awareness Raising Event", Mulungushi International Conference Centre, Lusaka, Zambia (Jan 9, 2026). Speech: *"Sustainable Exterior Lighting and Light Pollution"*.
- Keynote Speaker, IEEE Sustainable Smart Lighting World Conference, Monastir, Tunisia (Dec 8–10, 2025). Speech: *"Integrated Lighting: A Holistic Approach to Design, Engineering, and Intelligence"*.
- Invited Panelist, IEEE Sustainable Smart Lighting World Conference, Monastir, Tunisia (Dec 8–10, 2025). Panel Theme: *"Humanitarian Actions for Lighting"*.
- Invited Speaker, "Energy in Buildings Epirus 2025", ASHRAE Hellenic Chapter, Ioannina, Greece (May 31, 2025). Presentation: *"Lighting principles and interior lighting design"*.
- Invited Speaker, "CFP: Smart Built Heritage" Conference, University of Seville, Spain (Sept 16–18, 2024). Presentation: *"The role of lighting in built heritage"*.
- Invited Speaker, Aalto University, Espoo, Finland (Sept 9, 2024). Lectures: *"New Teaching Methods"* and *"Training on lighting design"*.
- Invited Speaker, Awareness Raising Seminar: "Capacity Building for Sustainable Lighting Solutions in Mozambique", Hotel Inter Tete, Mozambique (Dec 12, 2023). Presentations: *"The impact of Human Centric Lighting in lighting design"* and *"Sustainable exterior lighting and lighting pollution"*.
- Invited Speaker, Online Webinar: "Tunnel and Lighting" (May 11, 2023). Organized by Hepper.
- Invited Speaker, ASHRAE Energy in Buildings Cyprus 2023 Conference, Nicosia, Cyprus (April 8, 2023). Presentation: *"Reducing Electricity Consumption: The Role of Artificial Lighting"*.
- Invited Speaker, ASHRAE International Building Decarbonization 2022 Conference, Athens, Greece (Oct 5–7, 2022). Presentation: *"Reducing the need for electric power: The role of artificial lighting"*.
- Invited Panelist, Special Panel Session: "Smart Lighting for Developing Countries & Remote areas", IEEE PES/IAS Power Africa Conference 2022, Kigali, Rwanda (Aug 23, 2022).
- Invited Panelist, ECOSLIGHT International Roundtable: "Human Resources in Lighting", EEDAL : LS17 Conference, Toulouse, France (June 3, 2022).
- Invited Speaker, "Theories of Architecture, City and Landscape" (Open Lectures), POLIMI (Milan) & UniWA (Athens) collaboration (Online, March 9–30, 2022). Presentation: *"Lighting in the Urban environment, light pollution"*.
- Invited Speaker, Smart Light Days (ECOSLIGHT Alliance), Liège, Belgium (Oct 6–8, 2021). Presentation: *"From knowledge to regulations"*.
- Invited Speaker, 24th International Conference on Cultural Heritage and New Technologies (CHNT), Vienna, Austria (Nov 4–6, 2019).
- Invited Speaker, 6th International Conference "Energy in Buildings – Northern Hellas", TEE-TKM & ASHRAE, Thessaloniki, Greece (May 11, 2019). Presentation: *"Zero Light energy in Classrooms"*.
- Invited Speaker, Thimphu, Bhutan (Jan 7, 2019). Under the Erasmus+ ELNAB project: *"Promoting Energy Efficient Lighting Education in Nepal and Bhutan"*.

- Invited Speaker, CIE Division 4 Annual Meeting 2018, Technische Universität Berlin, Germany (May 23, 2017).
- Invited Speaker, 5th International Conference "Energy in Buildings – Northern Hellas", Thessaloniki, Greece (May 5, 2018).
- Invited Speaker, 1st International Conference "Energy in Buildings – Cyprus", Limassol, Cyprus (May 4, 2017).
- Invited Speaker, "Integrated Design of Energy Efficient Buildings", SAVENERGY 2017, Nicosia, Cyprus (May 13, 2017).
- Invited Speaker, CIE TC 4-53 "Tunnel Lighting" (2nd Physical Meeting), Paris, France (March 17, 2017).
- Invited Speaker, 4th International Conference "Energy in Buildings – Northern Hellas", Thessaloniki, Greece (May 6, 2017). Presentation: *"Improving Football Pitch Lighting: Case Studies of Panetolikos and Panathinaikos"*.
- Invited Speaker, Kathmandu, Nepal (Jan 6, 2017). Under the Erasmus+ ELNAB project.
- Invited Speaker, Thimphu, Bhutan (March 10, 2017). Under the Erasmus+ ELNAB project.
- Invited Speaker, Forum LED, "A few improvements in current standards", Lyon, France (Dec 8–9, 2016).

Visiting Lectureships & International Training

- Invited Lecturer, "Sustainable and Innovative Approach to Textile Design Education", Monastir, Tunisia (Dec 11–12, 2025). Lecture: *"From Threads to Rays: Teaching Sustainability through Light and Materiality"*.
- Invited Lecturer, Rovuma University, Nampula, Mozambique (Oct 15, 2025). Lectures: *"Lighting Quality in Exterior/Interior Places"*.
- Invited Lecturer, Hellenic Open University (HOU), PALETA Erasmus+ Meetings (July 8, 2025). Lecture: *"New tools for education"*.
- Invited Lecturer, Instituto Superior Politécnico de Songo, Mozambique (June 16–17, 2025). Modules: *"Energy Efficiency and Sustainability in Lighting"*, *"Lighting Design Principles"*, *"Practical Session: Measurement of Lighting Performance"*.
- Invited Lecturer, Aalborg University (Dept. of Architecture, Design & Media Technology), Denmark (May 13–15, 2025). Lectures on: *Light Pollution, Human Centered Lighting, and Lighting Malpractices*.
- Invited Lecturer, Rovuma University, Mozambique (April 9–11, 2025). Training on: *"Modern Teaching Strategies for Lighting Education"*, *"Introduction to Relux and simulations"*, *"Photometric Measurements"*.
- Invited Lecturer, University of Naples Federico II (Dept. of Industrial Engineering), Italy (March 27–29, 2025). Topic: *"Impact of Human Centric Lighting (HCL) in lighting design"*.
- Invited Lecturer, Université Paul Sabatier - Toulouse III, France (May 25–30, 2024). Lectures on: *Light Pollution, HCL, and Lighting Malpractices*.
- Invited Lecturer, Shenkar College of Engineering, Design and Art, Israel (Online, May 24, 2023). Presentation: *"Case Studies and Light Malpractices"*.
- Invited Lecturer, Shenkar College of Engineering, Design and Art, Israel (Online, Nov 20 & Dec 18, 2022). Lectures: *"Human Centric Lighting"* and *"Mimic Lighting and Light Pollution"*.
- Invited Lecturer, Royal University of Bhutan, Jigme Namgyel Engineering College (Online, Sept 15, 2022). Workshop: *"Introduction to Relux and interior lighting"* for the Centre for Lighting and Energy Efficiency Studies (CLEES).
- Invited Lecturer, Royal University of Bhutan (Dept. of Electrical Engineering) (Online, April 7, 2022). Course: *"Advance Illumination Engineering - Hands-on Relux exercises"*.

- Invited Lecturer, Technische Hochschule Nürnberg Georg Simon Ohm, Germany. Erasmus+ Staff Mobility for Teaching (Multiple visits: 2018, 2019).
- Invited Lecturer, University of Dar es Salaam (CoICT), Tanzania (Jan 14, 2019). In collaboration with Aalto University (EARLI programme).
- Invited Lecturer, Eduardo Mondlane University, Maputo, Mozambique (Nov 29, 2018). In collaboration with Aalto University (EARLI programme).
- Invited Lecturer, Addis Ababa Institute of Technology (AAiT), Ethiopia (Oct 30, 2018). In collaboration with Aalto University (EARLI programme).
- Invited Lecturer, Training School "Lighting Design", COST Action ES1204, Berlin, Germany (Oct 5–11, 2015).
- Invited Lecturer, Workshop "LiDe2 Lighting Design: State of the Art and Technology", ESAD, Porto, Portugal (June 23 – July 4, 2014).
- Guest Researcher, Ehime University (Faculty of Engineering), Japan (March–April 2014). Under the NESSIE Erasmus Mundus programme.
- Invited Lecturer, Workshop "LiDe Lighting Design: State of the Art and Technology", National Technical University of Athens (NTUA) (June 24 – July 5, 2014).

Session Chairing & Coordination

- Session Chair, "Lighting Simulations", Light Symposium 2022, Copenhagen, Denmark (Sept 21–23, 2022).
- Session Chair, "Outdoor Lighting", EEDAL : LS17 Conference, Toulouse, France (June 1–3, 2022).
- Session Chair, "Light", 2nd International Conference on Environmental Design (ICED2021) (Virtual, Oct 23–24, 2021).

J.4 National invitations (Speaker)

- Invited Speaker, ASHRAE Student Branches of Greece (Online, Nov 20, 2025). Lecture: *"The impact of indoor lighting on humans: from functionality to experience"*.
- Invited Speaker, Conference on Dark Sky Parks in Greece: Development, Sustainability, Biodiversity (Kefalonia, July 19, 2025). Lecture: *"Best lighting practices for dark sky protection"*.
- Exhibitor / Representative, Hellenic Open University (HOU) Booth, 7th Verde.Tec Forum 2025 - Environmental Technologies (Athens, Feb 21–23, 2025).
- Invited Speaker, Energia.Tec Forum 2024 - The Energy of the Future (Oct 11–13, 2024):
 - Panel: *"Lighting Interdisciplinarity as a tool for optimizing sustainable and creative design"*. Lecture: *"The difficulty of recognizing bad practices by 'experts'"*.
 - Panel: *"Street Lighting for Municipalities"*. Lecture: *"Bad practices in street lighting"*.
- Invited Speaker, 2nd Eco-culture Festival (Land and Water Actions, Eleusis European Capital of Culture 2023), Stefano Observatory, Corinth (Oct 4, 2023). Discussion: *"The impact of light pollution on the environment and the ecosystem"*.
- Invited Speaker, ASHRAE Student Branches of Greece (Online, Sept 13, 2024). Lecture: *"Lighting's impact on humans and the environment: a general approach"*.
- Featured Interview, "Fit for Green" column, Epixeiro.gr: *"From smart lighting to dark skies"* (May 15, 2024).
- Invited Speaker, Seminar on "Storefront and Retail Interior Design", Cyclades Chamber of Commerce (April 4, 2024). Lecture: *"Storefront design: concept, facade configuration, lighting, and signage"*.

- Invited Speaker, 6th Verde.Tec Forum 2024 - Environmental Technologies (March 30, 2024). Panel: *"Street Lighting for Municipalities"*. Lecture: *"Bad practices in street lighting"*.
- Invited Expert Speaker, "Seminars on Selected Projects & Best Practices for Transition to Climate Neutrality" (DAFNI Network in collaboration with ICF-PLANET). Lectures for Municipalities of the Aegean, Crete, Peloponnese, and Western Macedonia (March 22–28, 2024). Topics: *"Current legislative framework"* and *"Selected projects – Best vs. Bad practices"*.
- Invited Speaker, Science Outreach Series for Physics Students (Online, March 12, 2024). Organized by Mochos Lyceum & Patras Model Lyceum. Lecture: *"Lighting and its impact on humans and the environment"*.
- Invited Panelist, Results Presentation of the "Kythnos Smart Island" Project, Impact Hub Athens (Jan 30, 2024).
- Invited Speaker, "Light Up" Event, National Hellenic Research Foundation (July 2, 2023). Lecture: *"Landscape Lighting Design"*.
- Invited Speaker, Workshop on "Sustainable Spatial Design", Serafio City of Athens (June 26–27, 2023). Lecture: *"Lighting"*.
- Invited Speaker, Ainos National Park Designation Ceremony (First International Dark Sky Park in Greece), Argostoli, Kefalonia (June 17, 2023). Lecture: *"Best practices for combating light pollution"*.
- Invited Speaker, ASHRAE Energy in Buildings Northern Hellas 2023, Thessaloniki (March 11, 2023). Lecture: *"Reducing electricity consumption: The role of artificial lighting"*.
- Invited Speaker, Hospitality Lighting Series by HUB Lighting & Innovation (Kafkas). Lectures in Corfu (March 8, 2023) and Ioannina (Feb 17, 2023) on *"Hotel Lighting"* and *"Restaurant & Dining Lighting"*.
- Invited Speaker, Lighting Design Week, HUB Lighting & Innovation (Dec 12, 2022). Session: *"Light Directionality"*.
- Invited Speaker, Energia.Tec Forum 2022 (4th International Exhibition). Lecture: *"The impact of exterior lighting on the environment and energy consumption"*.
- TV Interview, T-Press WEB TV: *"Excessive lighting harms!"* (Jan 19, 2022).
- Invited Speaker, Lighting Design Week, HUB Lighting & Innovation (Dec 11, 2022). Session Coordinator & Speaker: *"Daylight as a source of design inspiration"*.
- Invited Speaker, "From Stars to Ainos" Webinar, Ainos National Park Management Body (April 8, 2021). Lecture: *"Artificial lighting in Kefalonia: Recording and improvement proposals"*.
- Invited Speaker, Technical Chamber of Greece (TEE) Seminars on "Energy Performance of Buildings" (Heraklion, Feb 9, 2019 & Kalamata, Jan 24, 2018). Lecture: *"Revision of TOTEE 20701-1/2017: Review of changes and new additions to lighting systems"*.
- Invited Speaker, Verde.Tec Forum 2019 - GreenTech Challenge. Lecture: *"Targeting zero energy consumption in lighting: The case of Greek public schools"*.
- Invited Speaker, HOU Graduate Seminar (Nov 2, 2019). Lecture: *"Guidelines for writing Master's Theses: A tutor's perspective"*.
- Invited Speaker, Verde.Tec Forum 2018 - Environmental Technologies. Lecture: *"The role of 'Lighting Experts' and the necessity of correct assessment in street lighting projects"*.
- Invited Speaker, "Lighting actions for achieving learning goals", Orange Water Contemporary Art Festival, HOU, Patras (Nov 9, 2018).
- Invited Speaker, "Photonics for Smart Road Transportation" Workshop, Athens (March 3, 2017). Topic: *"Street Lighting"*.

- Invited Speaker, Technical Briefing on "European Regulation for Greenhouse Gases & Specialized Lighting Studies" (Jan 18, 2017). Lecture: *"Upgrading football pitch lighting: Challenges and examples from Panathinaikos and Panetolikos stadiums"*.
- Invited Speaker, ASHRAE Hellenic Chapter Technical Event (Feb 9, 2016). Lecture: *"Indoor lighting and applications"*.
- Invited Speaker, POSEH Scientific Conference, MEC Paiania (Feb 27–28, 2016). Lecture: *"Lighting & Applications – Through the designer's perspective"*.
- Invited Speaker, ASHRAE Energy in Buildings 2016, Thessaloniki (May 14, 2016). Lecture: *"Indoor Lighting Design and Applications"*.
- Invited Speaker, Green Transportation International Conference, Athens (June 6, 2016). Lecture: *"Green light for green transportation"*.
- Invited Speaker, "Islands as Test Beds for Innovative Sustainable Energy Technologies" Workshop, Aegean Energy Agency (Nov 9–10, 2015). Lecture: *"Public Street Lighting"*.
- Invited Speaker, "Energy and Quality Upgrade of Municipal Lighting" Conference, Mytilene Chamber of Commerce (Dec 15, 2015). Lecture: *"Comparative analysis of lighting technologies – Standards – Specifications"*.
- Invited Speaker, "Artificial Lighting from Antiquity to Today" Symposium, Benaki Museum (March 10, 2012). Lecture: *"Light sources and lighting conditions in ancient Greek houses: Photometric analyses"*.

K. Member of organizations

- Founding Member, Hellenic Lighting Association (HELIA)
- Member of ASHRAE and the ASHRAE Hellenic Chapter
 - *Secretary (2018–2019)*
 - *President-Elect (2019–2020)*
 - *President (2020–2021)*
- Member of IES, Illuminating Engineering Society (since 2022)
- Member of the Hellenic Accreditation System (ESYD) – Expert for tests and measurements of luminous intensity and luminance (2016–Present)
- Member of the Register of Certified Evaluators, General Secretariat for Research and Innovation (GSRI – former GSRT) (since 2010)
- Member of the Register of Certified Evaluators, ELANET (Hellenic Development Company) (since 2005)
- CIE (International Commission on Illumination): Member of Technical Committees:
 - TC 4-53 (Tunnel Lighting).
 - TC 3-56 (Workplace Lighting).
 - TC 4-61 (Light Pollution).

L. Organization of conferences

- IEEE Sustainable Smart Lighting World Conference, 3 – 5 December 2026 Athens, Greece, Scientific and Organizing Committee
- AIC2026 Midterm Meeting, Color and Cultural Heritage, Florence, Italy, 3–4 September 2026, Scientific Committee
- International Conference Energy in Buildings Northern Hellas, March 28th 2026, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- IEEE Sustainable Smart Lighting World Conference, 8 – 10 December 2025 Monastir TUNISIA, Scientific and Organizing Committee
- International Conference Energy in Buildings, November 15th 2025, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- 11th IEEE International Smart Cities Conference, October 6th-9th, 2025, Patras, Greece, Member of the Scientific Committee
- Metrology 2025, 9th Regular National Metrology Conference, 20 & 21 June 2025, NCSR "DEMOKRITOS", Member of the Scientific Committee
- International Conference Energy in Buildings Northern Hellas, February 22nd 2025, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- Balkan Light 2024 Future of Lighting: Efficient and Intelligent, 28-29th November 2024, Istanbul Turkey, Scientific Committee
- International Conference Energy in Buildings 2024 Europe, the Middle East and Africa, November 22-23rd 2024, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- CFP: Smart Built Heritage. From registry to simulation on medieval and early modern buildings, Conference, University of Seville (Spain), September 16th-18th, 2024, Member of the Scientific Committee
- International Conference Energy in Buildings Northern Hellas, February 17th 2024, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- International Conference Energy in Buildings, November 11th 2023, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- 4th International Conference on Environmental Design, ICED2023, 20-22 October 2023, Member of the Scientific Committee
- Lighting 2023, The Eighth Junior Conference on Lighting, 23 – 25 September 2023, Sozopol Bulgaria, Technically Co-Sponsored by IEEE conference record #59819, Member of the Organizing and Program Committee
- International Conference Energy in Buildings Western Greece 2023, June 10th 2023, Patra, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Organizing Committee
- International Conference Energy in Buildings Northern Hellas, March 11th 2023, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Organizing Committee
- 3rd International Conference on Environmental Design, ICED2022, 22-23 October 2022, Member of the Scientific Committee
- Light Symposium 2022, September 21-23 2022, Copenhagen, Denmark, Member of the Organizing Committee

- Lighting 2022, The Seventh Junior Conference on Lighting, 19 – 21 September 2022, Sozopol Bulgaria, Technically Co-Sponsored by IEEE conference record, Member of the Organizing and Program Committee
- Lux Europa 2022, September 20-22 2022, Prague, Czech Republic, Member of the Program Committee
- Lighting 2021, The Sixth Junior Conference on Lighting, 23 – 25 September 2021, Gabrovo Bulgaria, Technically Co-Sponsored by IEEE conference record #49406, Member of the Organizing Committee
- 1st International conference on Lighting, Interactivity, heritaGe, Health, Technology and Sustainability (LIGHTS), 10 October 2020, Serafio Athletic and Community Complex, Athens, Greece (Member of the Organizing and Scientific Committee)
- Lighting 2020, 24 – 26 September 2020, Ruse Bulgaria, Technically Co-Sponsored by IEEE conference record #47792, Member of the Organizing Committee
- Dispelling Shadows, Light, Built Spaces, and Archaeological Practices, February 20th to 21st 2020, University of Seville, Spain (Member of the Organizing and Scientific Committee)
- 6th International Conference Energy in Buildings Northern Hellas, May 11th 2019, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Organizing Committee
- Balkan Light Junior 2019, 19-21 September, Plovdiv Bulgaria, Technically Co-Sponsored by IEEE conference record #45311, Member of the Organizing Committee
- 8th International Conference Energy in Buildings, September 28th 2019, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- Special Session (Member of the Organizing and Scientific Committee): Digital archaeology of large urban and underground infrastructures, in 24th International Conference on Cultural Heritage and New Technologies (Vienna, Austria | November 4-6, 2019)
- 5th International Conference Energy in Buildings Northern Hellas, May 5th 2018, Thessaloniki, Greece, TEE-TKM, ASHRAE Hellenic Chapter, Organizing Committee
- International Day of Light, UNESCO, Educational Workshops and Lectures at the Hellenic Open University, Athens, May 16th 2018, Organizing Committee
- 7th International Conference Energy in Buildings, November 3rd 2018, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- 6th International Conference Energy in Buildings, October 21st 2017, Athens, Greece, TEE, ASHRAE Hellenic Chapter, Scientific and Organizing Committee
- Balkan Light 2015, the 6th Balkan Light Conference, Athens, Greece, 16-19 September, 2015, Organizing Committee
- Conference on Scientific Research at the National Technical University of Athens (NTUA), Plomari Lesvos, 5-8 July 2007, Organizing Committee

M. IT Skills (Lighting & Building Applications)

- Lighting Simulation: Relux, Dialux, Radiance, Daysim.
- Energy & Climate: Summer, Aiolos, PVSYST.
- Design: AutoCAD, Revit (Basics).

N. Foreign language skills

- English: Excellent (Proficiency, University of Michigan).
- German: Intermediate (Zertifikat, Goethe Institut).

O. Scholarships

- 2017-2019: Postdoctoral Scholarship (IKY) - "Support for Postdoctoral Researchers" for the project: "Zero consumption lighting system for school buildings".
- 2005-2008: PhD Scholarship (Pythagoras) - "Development of a system for the automatic adjustment of artificial lighting".

P. Administrative work

- 2024-2027: Deputy Dean, School of Applied Arts and Sustainable Design, Hellenic Open University.
- 2023-Today: Director of the Postgraduate Program "Indoor Building Quality" (SID), HOU.
- 2021-Today: Member of the ERASMUS+ Committee, representing the School of Applied Arts, HOU.
- 2022-Today: Assistant Director of the Postgraduate Programs "Lighting Design" (LDP) and "Protection of Cultural Heritage" (CCC), HOU.