


Event:
Date:
Place:

Energy in Buildings Athens Conference 2023

Saturday November 11, 2023
Grand Hyatt Athens, Hellas



#	Alexandra Papantonopoulou Dipl. Electrical Engineer (University of Patras – School of Engineering)	
Title:	Co-Founder & Professional Lighting Applications Sales Manager at Sielight PC, Athens CIE Division 4: Transportation and Exterior Applications - National Representative for Greece	
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Presentation title:	Achieving Buildings Sustainability through Effective Lighting - Best Practices	
<p>To combat climate change and according to the Paris Agreement signed in 2015 for limiting global warming to an increase of 1,5°C above pre-industrial levels, it is required that carbon emissions reach net zero by 2050. Building stock worldwide is an important source of carbon emissions, being responsible for 39% of global energy-related emissions, with an estimated total of 28% of them resulting from buildings operation (lighting, HVAC, etc). Thus, lighting and lighting control systems are an important part of this complex challenge, accounting for 5 % of the world's greenhouse gas emissions.</p> <p>This presentation focuses on best practices for sustainable buildings with maximum lighting energy savings. Lighting installations, in both retrofit and new projects, must go beyond LED technology and incorporate detailed lighting control strategies and lighting control systems that combine with sensors and/or IOT devices to create “smarter” buildings and to enable more aggressive energy-saving options. Furthermore, to maximize success of buildings decarbonization projects, a holistic approach should be adopted, considering the use of sustainable materials, circular economy to reduce waste to landfills and occupants' health and wellbeing.</p>		
Short CV:	<p>Alexandra Papantonopoulou, co-founder of SIELIGHT PC, has studied Electrical Engineering at the University of Patras. She has been active in the lighting industry since 1990 and has significant experience in the design and implementation of large projects in our country and abroad.</p> <p>Since 2018, Alexandra is the national representative for Greece at CIE Division 4: Transportation and Exterior Applications.</p>	

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CV:

Alexandra Papantonopoulou, co-founder of SIELIGHT PC, has studied Electrical Engineering at the University of Patras. She has been active in the lighting industry since 1990 and has significant experience in the design and implementation of large projects in our country and abroad, having worked as a lighting designer at Doxiadis Associates Consultants on Development and Ekistics and as a lighting manager in the Automation and Drives department of Siemens S.A. and Appliance Recycling SA.

Since 2018, Alexandra is the national representative for Greece at CIE Division 4: Transportation and Exterior Applications.

Education:

1984-1989: Dipl. Electrical Engineer, School of Engineering, University of Patras

Work Experience:

2011-Present: Co-founder & Professional Lighting Applications Sales Manager

2005-2011: Appliances Recycling S.A. – Lighting Sector Manager

1993-2005: Siemens S.A., Automation and Drives Department – Lighting Systems Product Manager

1990-1993: Doxiadis Associates Consultants on Development and Ekistics S.A. – Projects Electrical Engineer