


Event:
Date:
Place:

ENERGY in BUILDINGS 2017
Saturday October 21, 2017
Athens, Hellas



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Title:	Freelancer, Corfu, Greece	
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Presentation title:	Urban network road lighting optimization as regards to the needs and reactions of users, driving safety and the environmental impact	
<p>The outdoor lighting constitutes a significant part of the night activities of people in contemporary cities. Nevertheless, in many cases, this may result in the increasing and irrational use of it, affecting the users of public areas, the environment, and the driving safety. The subject of this thesis is to extend the discussion on the subject, to provide answers and to suggest methods for the improvement of the existing conditions in street lighting of the urban environment through the use of new technologies and smart systems of lighting management, with the aim of achieving a smooth relationship between the user's needs, safety, sustainability, quality of life and energy saving.</p> <p>Within this framework, a research and collection of data has been conducted through Greek and international bibliography, based on scientific articles and primary sources relevant to the subject.</p> <p>A critical composition of the findings will lead to conclusions, as well as in methods of improvement of the existing street lighting conditions, on the basis of the street users' safety, the energy saving possibilities, and also the creation of fair, in terms of lighting, urban areas, in connection with the least possible environmental impact.</p> <p>The research of completed projects, but also a pilot analysis of a lighting system installation for a main street in Corfu Island, shall verify the benefits of the outdoor street lighting by creating a "smart city" of the future. The case study is located in the urban road network of the island and combines aspects of improvement of the existing situation and the use of adaptive lighting.</p> <p>By summarizing the main points and conducting the comments of the research on the new lighting technologies and the perspectives of adaptive lighting, solutions have been proposed based on the improvement of the conditions of the urban road network as regards to the needs and reactions of users.</p>		

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CV:

Yolanda Lampiri was born in Corfu in 1977. She is an Electrical Engineer who graduated from the University of Applied Sciences of Thessaly in 2002. She intends to have a Master of Arts degree in Lighting Design from the Hellenic Open University. Her first graduation thesis was related to the quality assurance systems & ISO 9002 in the electronic board industry (INTRACOM) while her second thesis refers to the urban network road lighting optimization as regards to the needs and reactions of users, driving safety and the environmental impact. Some of the training programs and seminars she has attended are: "Sustainable Energy Sources and Bioclimatic Building Design", 2007, "Heat Pumps and Geothermy", 2012. She is a certified Energy Auditor since 2011 and she has also a sufficient knowledge in English and German languages.

Her previous practice experience includes training in the Public Power Corporation (PPC)-Project Department during 2002 - 2003. Since 2003 she has been working as a business partner of AQUA LINE LTD, a technical and commercial company, where she is mainly handling Design and Supervision of electromechanical facilities and particularly, energy saving, lighting design, heating and cooling systems, drainage and water supply.