


Event:  
Date:  
Place:

**ENERGY in BUILDINGS 2019**  
Saturday September 28, 2019  
Athens, Hellas



#	<b>Athena Sivi</b> Electrical & Computer Engineer A.U.Th.	
Title:	HVAC Senior Engineer at SIVIS-KLIMATISTIKI, Thessaloniki, Greece	
email:	athenasivi@teemail.gr	
Presentation title:	<b>Light Qualities in Ancient and Modern Times: A Creative Comparison as Visual Prism at Contemporary Lighting Systems Design</b>	
<p>The scope of this study is the comparison between the qualities given to light in ancient and in modern times, and the use of this comparison's conclusions in forming a new, more spherical design approach for contemporary lighting systems.</p> <p>While science and technology have equipped humans with artificial light, of countless applications and capabilities, the role and substance of light have been altered in human apperception. The notion of light is intertwined with artificial light, one of the most supportive, to contemporary lifestyle, technological achievements, an inextricable component of human living, well-being and culture. Light is functional, an architectural tool, an implement for artistic creation, and always outcome of human work. Broad scientific knowledge in optics sets the photometric principles, while great technological progress offers the means for the implementation of complicated, sophisticated lighting projects. Artificial light is available, accessible and affordable. The process of Illuminating seems to be an easy practice with the use of artificial light, as "eliminator" of darkness and an "advocate" of the aesthetics.</p> <p>Referring to ancient times, focusing on the geographical region of Ancient Greece, light is given by the Gods, through two natural elements, sun and fire, bringing people life, warmth, safety, knowledge, enlightenment, purification. In ancient Greek culture, sun, fire and light are closely connected to mythology, worship and symbolisms.</p> <p>Sun and fire can become, through their physical characteristics, symbolisms and spiritual hypostasis, an inspiration for contemporary light systems, setting as a substantial feature the spiritual essence interpreted by light. Light qualities from both times could blend creatively, setting the aspirations for a thorough lighting design process, serving lighting needs of both vision and spirit, senses and emotions. A theoretical design procedure that will lead to complete solutions, considerate to humans and to the physical world.</p>		

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CV:

Athena Sivi got her diploma as an Electrical & Computer Engineer from the Polytechnical School of Aristotle University of Thessaloniki in 2001. Since then, she has worked on the study and design of various electrical & mechanical systems, and as a senior engineer of HVAC projects at SIVIS-KLIMATISTIKI AE.

She is highly experienced in: HVAC Systems Design, Electrical Installations, Building and Air-conditioning systems Energy Inspections and Evaluation, Lighting Design.

She has taken part in architectural contests as a consultant on the lighting and the mechanical systems.

She is registered in the National Registry of Engineer Designers and in the National Registry of Energy Inspectors.

She is a student in the MA Lighting Design program of Applied Arts Department of Hellenic Open University, and this poster is based on her thesis for the master's degree acquisition.