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#	Lambros T. Doulos Physicist, PhD, MSc	
Title:	Post-Doctoral Researcher, University of Thessaly, Department of Architecture, Volos, Greece Adjunct Professor, Hellenic Open University, School of Applied Arts Greece, Researcher, Photometry Lab, National Technical University of Athens	
email:	ldoulos@mail.ntua.gr , ldoulos@uth.gr	•
Presentation title:	Energy saving potential by retrofitting the artificial lighting system in the typical classroom in Greece	
<p>The energy consumption for the artificial lighting in school buildings is one of the main consumers of electricity. In Greece there is a large number of school buildings with quite old lighting systems using luminaires with T8 and sometimes T12 florescent lamps with electromagnetic ballast and degraded translucent diffusers. Scope of this paper is to present the benefits achieved from upgrading of the artificial lighting system of a typical classroom using available technologies from late 60's to present where due to economic crisis the public sector failed to invest on LED luminaires. This paper examines the energy savings potential by using efficient luminaires and proper planning.</p>		
CV:		
<p>Lambros T. Doulos was born in Athens, Greece on September 19, 1975. He received the Dipl. in Physics from the University of Athens, Physics Department, in 1999, the MSc Dipl. in Environmental Physics from the University of Athens, Physics Department, in 2002 and the PhD Dipl. from the National Technical University of Athens in 2010. He is an expert in lighting design, rational use of energy in lighting systems, use of daylight in buildings, development of innovative photosensors, road and tunnel lighting measurements. He is a Post-Doctoral researcher at University of Thessaly (Department of Architecture, Volos) with subject "Zero Energy Lighting System for Schools". He works also as an Adjunct Professor in the MA program "Lighting Design" at Hellenic Open University where he teaches the course "Lighting Technology and connection with production" and at Lighting Laboratory (NTUA) as a Researcher. He is the writer of number of publications, and books dealing with lighting, lighting controls and energy saving. Several research projects have implemented by the researcher. He also offers consultancy services in lighting design and building's low energy techniques.</p> <p>The detailed CV could be found at this link: http://lighting.ece.ntua.gr/index.php?option=com_content&task=view&id=73 http://www.arch.uth.gr/en/staff/L_Doulos</p>		