


Event:  
Date:  
Place:

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



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| <b>#</b>   | <p><b>Thanos Balafoutis</b><br/>Architect, Lighting Designer MA, Phd (c)</p>   |  |
| Title:   | Adjunct Professor - Researcher, Hellenic Open University, School of Applied Arts, Greece   |   |
| email:   | balafoutis.athanasios@ac.eap.gr  | •   |
| Presentationtitle:   | <p><b>Defining Spectral Bands for Assessing the Impact of Lighting on Health and the Environment</b></p>   |   |
| <p>This work deals with defining the necessary spectral bands that are needed for assessing the impact of lighting on various aspects, such as human health and environment in an automated way. The deeper motivation is that the spectra of the utilized light sources are used alone for the estimation of the bands. The main idea in spectral band selection is based on the concept of orthonormal basis. This is feasible once the spectra have been considered to be functions in a functions space. Wavelets transformation is used to accelerate this procedure.</p> |  |   |
| CV:  | <p>Thanos Balafoutis is an architect, graduated the School of Architecture of the University "Federico II" of Naples, Italy (gained a three-time-partial scholarship) (2007, Hons) and the MA program "Lighting Design" of the Hellenic Open University (2015, Hons), Greece. Currently he is Adjunct Professor, Researcher and a PhD candidate of the Hellenic Open University. In 2014 he co-founded "Krama architects", an award winning firm providing architectural and lighting design. He has attended Erasmus Intensive Programs such as "Lighting Design - State of the Art and Trends" (Athens, Porto, Berlin), "Environmental Design of Urban Open Spaces" (Barcelona), "Early Renaissance Architecture in Italy: from Alberti to Bramante" (Rome) and participated as lecturer in the architecture workshops "Citylab 2014" and "Citylab 2015". He has been a member of several study groups for the restoration, enhancement and use of buildings and areas, including research teams studying the urban planning. He is a founding member of the Hellenic Lighting Association (HELIA), member of the Technical Chamber of Greece, the Panhellenic Union of Architects, the International Association of Designers - I.A.D. (as krama architects) and the International Design Club - I.D.C. (as krama architects). He is also involved in scenography and lighting design in artistic productions and theatrical plays.</p> |   |