Lecture Invitation

Dr. Aimilios Michael
Lecturer at the Department of Architecture, University of Cyprus
will give a lecture presentation entitled:

Sustainable Synergies in the Built Environment

Friday, December 1st, 2017, 10:00 a.m.
Department of Architecture, Room 105, 68 Ledra Street, Nicosia Walled City

The presentation is part of the evaluation procedure for advancement to the rank of Assistant Professor.

Presentation Abstract
Sustainability in architecture constitutes a broad and multifaceted field of research, addressing the areas of passive design strategies for human comfort, energy efficiency and building construction. In this context, three thematic multidisciplinary research pillars are discussed: (a) sustainable design elements of vernacular architecture, (b) sustainable façade systems for building renovation and energy efficiency, and (c) sustainable construction components and materials. Investigation of the above-mentioned pillars has been performed through funded research programmes, as well as through postgraduate and doctoral studies, at the Department of Architecture. The research involved field measurements of indoor environmental parameters and outdoor microclimatic conditions, as well as software simulations. The studies presented include the investigation of the thermal performance of indoor and semi-open spaces (solar shading, insolation, natural ventilation), as well as of the visual comfort of indoor spaces (daylighting, glare issues). Moreover, the presentation discusses research results related to the thermophysical properties and the environmental footprint of novel construction components and masonry systems. Finally, design-based research, focusing on sustainability in architecture, performed both in the academia and in practice through design courses and architectural projects respectively, is presented. The presentation concludes with a brief reference to recently funded research programmes and future research plans.

About the Speaker
Aimilios Michael, Ph.D., is a Lecturer in the Department of Architecture at the University of Cyprus, the Director of Energy & Environmental Design of Buildings Research Laboratory (E&EDB) and the Director of the Inter-departmental Postgraduate Programme Energy Technologies and Sustainable Design (IPP-ETSD) of the Faculty of Engineering, University of Cyprus. He holds a PhD degree in Environmental Design and Energy in Architecture from the School of Architecture, NTUA. During his studies, he was awarded numerous academic scholarships and distinctions, including the Academic Excellence Award and Nomination for Best Doctoral Dissertation Award. Aimilios Michael's research activities take on an interdisciplinary perspective and focus on the areas of Energy and Environmental Design of Buildings and Advanced Architectural Technology. He participated as principal investigator and/or project coordinator in several research programmes funded by the European Commission, 7th Framework Programme (FP7), European Regional Development Fund (ERDF), Erasmus+ Programme, Cyprus Research Promotion Foundation (RPF), University of Cyprus and the private sector. His design-based research has been awarded (16) in architectural European and international competitions, including two 1st prizes, and has been presented in national and international exhibitions and architectural fora (30), including the 22nd Biennial of Industrial Design and the 12th International Architecture Exhibition of La Biennale di Venezia. His research work has been widely published in refereed scientific journals (12), special issues (10) and peer-reviewed international conference proceedings (56). He has an active community service as a reviewer of international scientific journals, as member of international scientific and/or organizing committees and professional boards.