


Event:
Date:
Place:

ENERGY in BUILDINGS 2018

Saturday November 3, 2018

Athens, Hellas



#	Prof.Dr.Essam E.Khalil Professor of Energy, PhD, PE, ASHRAE Fellow, ASME Fellow, AIAA Fellow ASHRAE Director At Large	
Title:	Professor of Energy, Cairo University Convenor ISO TC205WG2 and ISO TC163WG4	
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Presentation title:	Energy Efficiency in Smart Cities	
<p>The global energy crisis coupled with the threats of climate change bring into sharp focus both opportunities and challenges for developing countries. Developed and developing countries have to better address the increasing energy demands of growing economies, as well as address energy poverty issues often highlighted by extreme disparities in income. They also need to deal with the real and potential impacts of climate change and energy efficiency improvement. In addition to these challenges is the global imperative to reduce carbon emissions in order to prevent climate change. While developing nations have thus far been sheltered from obligations to reduce carbon emissions, one cannot anticipate that this situation will continue for long. Holistic approach to energy performance in built environment had been a key tool to improve the overall energy performance. Within this context nations need to follow a very different development path from that established by first world countries. This development path is a low energy, low carbon and generally a resource efficient one.</p>		

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CV:

B.S. (1971) and MS. (1973) Mechanical Engineering, Cairo University, and DIC (1976) and PhD (1977) from Imperial College of Science and Technology, London University, UK. Currently Professor of Mechanical Engineering, Cairo University since June 1988. Over 47 years of experience in design and simulation of combustion chambers for terrestrial and aerospace applications. Published 13 books in English and over 900 papers in journals and conference proceedings on combustion, energy and indoor air quality control. Developed and delivered advanced courses in heat transfer, gas turbine combustion and terrestrial energy.

Fellow ASME, Fellow ASHRAE, and Fellow AIAA,

ASME George Westinghouse Gold Award recipient 2009.

ASME Harry Potter Gold Award recipient, 2012.

ASHRAE, Exceptional Services Award, 2017

Director at Large ASHRAE, USA

Prof. Khalil is convenor of ISO TC205 WG2: Design of Energy Efficient Built Environment.

Convenor of ISO TC163 WG4 Holistic approach to Energy Performance of Buildings.

Member of CEN TC371 WG1.

Chair of Egyptian and Arab HVAC Code Committee

Chair of Egyptian Ventilation Code Committee

Chairman of Egyptian Indoor Air Quality Code Committee.

Member of Egyptian Smart Cities Code Committee.