


Event:  
Date:  
Place:

## ENERGY in BUILDINGS - CYPRUS 2017

Thursday May 4, 2017

Limassol, Cyprus



<b>#</b>	<b>Constantinos A. Balaras</b> Dr Mechanical Engineer, FASHRAE	
Title:	Research Director, Group Energy Conservation, Institute for Environmental Research & Sustainable Development, National Observatory of Athens, P. Penteli, Greece	
email:	costas@noa.gr	•
Presentation title:	<b>Building Energy Use Intensities, Guidelines, Rating Methods, Codes &amp; Standards – Moving Towards Green Buildings &amp; nZEB</b>	
<p>Energy Use Intensities (EUI) are amongst the most widely used metrics to express a building's energy use per unit floor area, in order to benchmark against its peers or compare against targets and towards high performance buildings. The presentation identifies available resources in Europe and the United States that provide an overview of EUIs for existing buildings. It also summarizes metrics from popular voluntary rating and labelling schemes for high performance buildings, the trends of national European nearly zero energy buildings (nZEB) definitions for new and renovated buildings, the US national model energy codes like the ASHRAE Standard 90.1 &amp; 90.2 for practical, technically feasible and cost-effective minimum energy-efficient requirements, and outlines relevant resources like the ASHRAE advanced energy design guidelines, and the ASHRAE green-building Standard 189.1.</p>		
CV:	<p>Dr. Balaras is a Research Director with the Group Energy Conservation at the Institute for Environmental Research &amp; Sustainable Development -NOA, Athens, Greece. He has over 30 years of experience in R&amp;DD in the areas of energy conservation, high performing buildings, thermal and solar building applications, building energy audits-diagnosis and refurbishment, national regulations - technical guidelines – software tools for EPBD transposition, environmental impact of buildings, indoor environmental quality, thermal energy systems and building thermal simulations, solar air-conditioning. He holds a PhD and MSc in Mechanical Engineering from Georgia Institute of Technology and a BSME from Michigan Technological University. He is a registered EUR ING and Chartered Mechanical Engineer, member of the Technical Chamber of Greece, Fellow ASME, Fellow ASHRAE. Dr. Balaras has over 260 scientific publications in Journals and Conferences and over 20 contributions in books.</p> <p>For more information visit: <a href="http://www.linkedin.com/in/costasbalaras">www.linkedin.com/in/costasbalaras</a>  <a href="https://www.researchgate.net/profile/Constantinos_Balaras/">https://www.researchgate.net/profile/Constantinos_Balaras/</a>  <a href="http://www.facebook.com/GRoupEnergyConservation">www.facebook.com/GRoupEnergyConservation</a></p>	