




Event:
Date:
Place:

ENERGY in BUILDINGS 2017
Saturday October 21, 2017
Athens,



WORKSHOP
Research and Innovation activities in nanotechnology
concerning Energy Efficient Buildings

 http://www.eensulate.eu/  http://cetieb.eu/	<p>Marco Arnesano, Ph.D.</p>	
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Project title:	CETIEB - EENSULATE	
Presentation title:	Innovative technologies for Improved Built Environment and Energy Efficiency	
<p>The presentation illustrates the experience of two EU projects where innovative solutions, based also on nanomaterials, are developed for improving buildings performance in terms of energy efficiency and IEQ. The first project is the FP7 CETIEB - Cost-Effective Tools for Better Indoor Environment in Retrofitted Energy Efficient Buildings. CETIEB developed monitoring solutions and active/passive systems (e.g nano-plaster finishing materials, PCMs) suitable for the energy efficient buildings retrofit. The second project is the on-going H2020 EENSULATE (http://www.eensulate.eu/), that aims to develop innovative lightweight (35% weight reduction compared to the current best performing modules), highly insulating energy efficient components as well as associated enabling materials for cost-effective retrofitting and new construction of curtain wall facades.</p>		
CV:		
<p>Marco Arnesano is a Researcher at Università Politecnica delle Marche with 8 years of experience in the development of innovative systems and sensors for indoor environments monitoring and building management. Research interests include ICT for energy efficiency, construction process and materials, thermal comfort, sensors, signal processing, thermodynamic simulation, software development. The research activity is mainly performed within several European projects in the Mechanical and Thermal Measurement Group of the DIISM. He is author of more than 20 scientific publications in the field of technologies applied to the built environment and coordinates the energy efficiency focus of the international Expo and Congress "ForumPiscine".</p>		