#	**Kostas Nikolaou** Chemical Engineer, postgraduate student at the School of Applied Arts and Sustainable Design, Hellenic Open University, Greece.	
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Presentation title:	**Field Assessment of Indoor Environmental Quality and Energy Consumption in a Hellenic Dwelling**	

The research of the indoor environment's quality using parametric analysis and a year-long assessment of a home's energy efficiency are the focus of this work. Indoor and outdoor temperature, relative humidity, carbon dioxide and particulate matter levels, and energy consumption are monitored in a dwelling and the results analyzed. In addition, the occupants evaluate the quality of the indoor environment by filling out a questionnaire. Over the course of a year, the goal is to evaluate the levels of thermal comfort and air quality, as well as the associated energy consumption needed for the various operational combinations of the facilities to attain these conditions. This paper presents an overview of the preparations for the field work and overall approach, summarizes the available data collected during the first five months of monitoring, and presents initial results for the indoor thermal conditions, air quality and energy consumption, under different operating scenarios.

Short CV:

Chemical Engineer, nearly 25 years specializing in waterproofing, insulation and provision of services for the design, planning and installation of energy management and energy saving solutions in residential and non-residential buildings. Currently a postgraduate student in “Sustainable Design of the Building's Indoor Environment” at the School of Applied Arts and Sustainable Design, Hellenic Open University, Greece.

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CV:	

Graduated from the Chemical Engineering Department of the National Technical University of Athens. From 1999 to 2005, he worked at ESHA Hellas as a sales engineer and project engineer, responsible for the completion of major technical projects throughout Greece. In 2006, he founded a technical company specializing in waterproofing, insulation and provision of services for the design, planning and installation of energy management and energy saving solutions in residential and non-residential buildings. He has been actively involved in building energy audits and diagnosis for over 15 years, participating in numerous projects across various sectors. He is currently a postgraduate student in “Sustainable Design of the Building's Indoor Environment” at the School of Applied Arts and Sustainable Design, Hellenic Open University, Greece.

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