


Event:  
Date:  
Place:

**ENERGY in BUILDINGS 2017**  
Saturday October 21, 2017  
Athens,



<b>#</b>	<p><b>Dr. Samir R. Traboulsi,</b> PhD. Mechanical Engineering, Master of Business Administration Professional Engineer</p>	
Title:	<p>Senior Lecturer at the American University of Beirut, Lebanon General Manager of Thermotrade SAL Managing Director of RANEC SARL</p>	
email:	<p>Samir.traboulsi@mail.ashrae.org</p>	•
Presentation title:	<p><b>Waiting for the Net Zero Energy Buildings?</b></p>	
	<p>Buildings are responsible of consuming up to 35% of available energy. Fears came when dealing with the non- renewable energy types and the talk of their future scarcity. The world focused on ways to improve the innovation of renewable energy on one side, and to reduce the consumption of energy, on the other side, by voluntarily means as well as mandatory, and then a new glossary for buildings was introduced such as Net Zero Energy Smart, Advanced Energy, and Intelligent Buildings. Efforts were initiated on voluntarily developing and promoting competitive Building Rating Systems worldwide. Technical organizations are still innovating standards on two fronts: Energy Conservation and on mushrooming ideas for R &amp; D of renewable energy materials, systems and products. Authorities of Jurisdiction, worldwide, are passing laws and codes, and sometimes relaxing them, when seeing an opportunity to meet objectives and committed targets (inside and outside the country) as set by their relevant energy agencies and departments. Examples like Custom tariff, incentives, facility of soft loans. Setting vision and target dates, say 2020, 2025, 2030 and now 2050 (upon following technical organizations recommendations), and now are changing them when discovering and due to many constraints that such objectives cannot be met on such dates.</p> <p>Many hands with many players are responsible for shifting the dates and with an increase pressure on many involved, may result in accepting the changing of dates and normalizing of such deviances.</p>	
CV:		

Event:  
Date:  
Place:

**ENERGY in BUILDINGS 2017**  
Saturday October 21, 2017  
Athens,



## I. PERSONAL DATA

\* NAME : SAMIR R. TRABOULSI, *PhD., P. Eng.*  
\* ADDRESS : CITY STADIUM BLVD. – SALAME CENTER  
P.O.BOX 15 5400 – BEIRUT – LEBANON  
TEL. + 961 1 841065 + 961 3 382960  
FAX + 961 1 841060  
EMAIL [samir.traboulsi@mail.ashrae.org](mailto:samir.traboulsi@mail.ashrae.org)  
[traboulsi.samir@gmail.com](mailto:traboulsi.samir@gmail.com)

## II. EDUCATION

- \* DOCTOR OF PHILOSOPHY, MECHANICAL ENGINEERING, 2011  
BEIRUT ARAB UNIVERSITY, BEIRUT
- \* POST GRADUATE STUDIES, SYSTEM DYNAMICS, 1990  
M.I.T., BOSTON, U.S.A
- \* MASTER OF BUSINESS ADMINISTRATION, 1980  
AMERICAN UNIVERSITY OF BEIRUT, BEIRUT
- \* MASTER OF MECHANICAL ENGINEERING, 1975  
AMERICAN UNIVERSITY OF BEIRUT, BEIRUT
- \* BACHELOR OF MECHANICAL ENGINEERING, 1973  
AMERICAN UNIVERSITY OF BEIRUT, BEIRUT

## III. SUMMARY OF PROFESSIONAL SKILLS AND/OR EXPERIENCE

- \* MEMBER : \* ORDER OF ENGINEERS – BEIRUT – LEBANON
  - \* SYSTEM DYNAMICS SOCIETY, ALBANY, NY
  - \* AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, (ASHRAE) U.S.A.
  - \* CHARTERED INSTITUTE OF BUILDING SERVICES ENGINEERS, (CIBSE) U.K.
  - \* NATIONAL ENVIRONMENTAL BALANCING BUREAU
  - \* ENGINEERING COUNCIL, U.K.
  - \* LEBANON GREEN BUILDING COUNCIL, BEIRUT – LEBANON.
  - \* ENERGY & SUSTAINABILITY COMMITTEE – ORDER OF ENGINEERS BEIRUT – LEBANON.
- FOUNDER AND PRESIDENT OF THE LEBANESE CHAPTER OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, ASHRAE, 1995-1997
- CO - FOUNDER AND PRESIDENT OF LEBANON GREEN BUILDING COUNCIL, LGBC, 2009-2012
- DIRECTOR & REGIONAL CHAIR, AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, ASHRAE, 2005-2008
- DIRECTOR AT LARGE, AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, ASHRAE, 2009-2012
- PRESIDENT, ENGINEERING AND ARCHITECTURE ALUMNI CHAPTER OF THE AMERICAN UNIVERSITY OF BEIRUT, WAAAUB, 2010-2014

Event:  
Date:  
Place:

**ENERGY in BUILDINGS 2017**  
Saturday October 21, 2017  
Athens,



#### **IV. SUMMARY OF RELEVANT WORK EXPERIENCE**

- |  |   |
|--|---|
| * SENIOR LECTURER<br>1980 – To date<br>1985-1991 & 2003-2005 | AMERICAN UNIVERSITY OF BEIRUT<br>Faculty of Engineering & Architecture<br>School of Business Administration |
| * LECTURER 2006-2017   | NOTRE DAME UNIVERSITY- LOUEIZE  |
- Teaching: Building Services Technical courses, MEP Design of Green buildings, HVAC Design courses, Thermodynamics, Advanced HVAC Courses, ASHRAE Fundamental courses, Operations Research, Engineering Economy & Engineering Ethics.
- |                                       |   |
|---------------------------------------|---|
| * GENERAL MANAGER<br>1985 -2017       | THERMOTRADE SAL                                   |
| * MANAGING DIRECTOR<br>1982-2017      | RANEC SARL  |
| * CERTIFIED PROFESSIONAL<br>2014-2018 | NATIONAL ENVIRONMENTAL<br>BALANCING BUREAU, U.S.A |

#### **V. ENGAGEMENTS WITH UN AGENCIES**

- NATIONAL TECHNICAL CONSULTANT  
2003/2004  
United Nations Development Program  
Ministry of Environment, MOE, Beirut.
- \* MEMBER- REVIEW TEAM  
UNDP  
2003-2004  
Lebanese Center of Energy Conservation  
Center, LCEC.  
Ministry of Energy & Water Resources,  
Beirut.
- \* REGIONAL EXPERT  
2008-2011  
United Nations Environmental Program  
UNEP.
- Registered Expert, MEP  
2000 To date  
Ministry of Justice, Beirut - Lebanon

#### **VI. AWARDS**

- John James International Award, ASHRAE 2004
- Students Activities Achievement Award, ASHRAE 2005
- ASHRAE Distinguished Service Award, 2009
- ASHRAE Exceptional Service Award, 2014
- ASHRAE Fellow, 2014
- NEBB Certified Professional, 2014
- CIBSE Fellow, 2015