



**SECOND INTERNATIONAL CONFERENCE ON EFFICIENT BUILDING DESIGN
– MATERIALS AND HVAC EQUIPMENT TECHNOLOGIES (ICEBD-MET2)**

www.ashrae.org/beirut2016

**FIRST ANNOUNCEMENT AND
CALL FOR PAPERS**

September 22-23, 2016

Beirut, Lebanon

ORGANIZED BY

American University of Beirut (AUB)

ASHRAE

ASHRAE Lebanese Chapter

Munib R. and Angela Masri Institute for Energy and Natural Resources, AUB

INVITATION

An invitation is extended to engineering professionals, students, international and local industrial companies, governmental agencies, and stakeholders and practitioners of building technologies, air-conditioning and refrigerating systems, materials and refrigerants.

CONFERENCE OBJECTIVES

The building sector in general has a major role to play in combating climate change. Better building design and state-of-the-art technologies in building materials and systems will greatly reduce energy consumption and hence reduce carbon dioxide emissions. Buildings consume more than 40% of energy worldwide, and this portion can reach 70% in some countries in the region due to high loads on HVAC systems.

The utilization and adaptability of technologies of natural materials (instead of those created using high amounts of energy) are new trends that have not been well developed in the Arab region. In addition, the HVAC sector has no clear direction on what technology is optimal and can be adopted when phasing out the HCFC in developing countries. Moreover, the energy efficiency standards and other building codes have not been successfully implemented and remain challenging issues. So this conference serves as a platform for presenting advanced research in these topics that could influence the actions of decision makers.

CONFERENCE TOPICS

Topics include but are not limited to:

- Sustainable Building Designs
- Energy efficiency standards
- Building materials
- Indoor air quality systems
- HVAC and different technologies
- Solar heating and cooling for the built environment
- Energy efficient hybrids
- Systems for cooling and water production for hot humid climates

CONFERENCE LANGUAGE

The official language of the conference will be English.

CALL FOR PAPERS

To contribute to the success of the conference and to the development of new policies and strategies, we invite you to participate in the conference by submitting a paper.

Interested authors are invited to submit abstracts on the topics related to, but not limited to, the topics mentioned above no later than **September 15, 2015**. The abstract should be submitted online through the conference Web site and should not exceed more than 400 words. The abstract should contain the title of the paper, author's name, affiliation and contact information and the same for corresponding authors.

Authors will be notified of the acceptance of their abstracts by **October 15, 2015**. Full papers are to be submitted, based on the guidelines for preparing the manuscripts, only after the acceptance of abstracts. The complete text of the paper should be submitted by **February 15, 2016**. The Scientific Committee of the conference will peer review the papers.

DEADLINES

1. Call for papers opens, June 15, 2015
2. Submission of abstract, September 15, 2015
3. Notification of acceptance of abstract, October 15, 2015
4. Submission of complete paper, February 15, 2016
5. Paper reviews due, May 15, 2016
5. Final acceptance, July 1, 2016

CONFERENCE PUBLICATION

The conference papers will be available on the ASHRAE Papers Download.

VENUE AND DATES

The conference will take place in the American University of Beirut, Lebanon. The conference will be held on Friday and Saturday, September 22-23, 2016. The Conference Organizing Committee will facilitate Hotel reservations for speakers at a competitive conference rate in a number of hotels in walking distance from AUB.

REGISTRATION

Registration opens in May 2016.

SCIENTIFIC COMMITTEE

- Nesreen Ghaddar, American University of Beirut (Chair)
- Samir Traboulsi
- Fadl Moukalled
- Kamel Ghali
- William Bahnfleth
- Walid Chakroun
- Mo Hosni
- Michel El-Hayek
- Bassem Bakhache

EXECUTIVE ORGANIZING COMMITTEE

- Nesreen Ghaddar (Conference Chair, AUB)
- Bassam Al-Asaad (ASHRAE sub-region Chair for Europe)
- Saleh Al Zein (Lebanese ASHRAE Chapter)
- Walid Chakroun, Walid, (KU)
- Fadl Moukalled (AUB)
- Kamel Ghali (AUB)
- Samir Traboulsi (AUB, FEA, Alumni Chapter)