

# CURRICULUM VITAE

Prof. **Mahmoud Ahmed Eissa**

Prof. of Eco-Architecture,  
Faculty of Engineering, Egyptian Russian University,  
Cairo Governorate, Egypt



## Personal Information

Date of Birth 6, January, 1959  
Nationality Egyptian

Home Address Flat 202, Bul. B8, Golf City, Obbour City, Greater Cairo, Egypt  
Phone +20-1000832814

Email Address ma\_eissa@msn.com, maaeissa@gmail.com

## Educational background

- Ph.D.**, 1992 Department of Architecture, Faculty of Engineering.  
Helwan University, Cairo  
Ph.D. Thesis topic : PROGRAMMING THE CLIMATIC DESIGN OF THE  
HOUSE (Computer Application)
- M.Sc.**, 1989 Department of Architecture, Faculty of Engineering. & Tech.  
Helwan University, Cairo  
M.Sc. Thesis topic: THE IMPACT OF NATURAL ENVIRONMENT ON  
TRADITIONAL HOUSE (In Egypt)
- B.Sc.** , 1982 Department of Architecture, Faculty of Engineering. & Tech.  
Helwan University, Cairo

## Teaching Experience

- Architectural Design
- Green Architecture Design
- Sustainable Urban Design
- Computer Aided Environmental Design
- Geographical Information System (GIS)

## Employment Record

<b>Professor</b> 9/2016 – Till today	Faculty of Engineering, Egyptian Russian University Badr City, Cairo Governorate, Egypt
<b>Professor</b> 6/2010 – 9/2016	Faculty of Environmental Design, King Abdel Aziz University Jeddah, Saudi Arabia
<b>Consultant</b> 6/2009 – 6/2010	Consultant Architect, Follow up Committee for the Holy Mosque-Mekkah Expansion Project, KSA
<b>Professor</b> 2/2005 – 6/2009	Faculty of Environmental Design, King Abdel Aziz University Jeddah, Saudi Arabia
<b>Associate Professor</b> 1/1999 – 2/2005	Faculty of Environmental Design, King Abdel Aziz University Jeddah, Saudi Arabia
<b>Assistant Professor</b> 4/1995 – 1/1999	Dept. of Architecture., Faculty of Engineering, Helwan University, Cairo, Egypt
<b>Staff Visitor</b> 10/1994 – 4/1995	ABACUS, Dept. Of Architecture And Building Science, Strathclyde University, Glasgow, United kingdom.
<b>Assistant Professor</b> 8/1992 – 10/1994	Dept. Of Architecture, Faculty Of Engineering Helwan University, Cairo, Egypt
<b>Lecturer Assistant</b> 3/1989 – 8/1992	Dept. Of Architecture, Faculty of Engineering. & Tech. Helwan University, Cairo
<b>Demonstrator</b> 11/1982 – 3/1989	Dept. Of Architecture, Faculty of Engineering. & Tech. Helwan University, Cairo

## Publications:

### 30- Old Town of Jeddah. Results from the building survey of the Al-Nawar house.

ARCHITECTURA-ZEITSCHRIFT FÜR GESCHICHTE DER BAUKUNST, DEUTSCHER KUNSTVERLAG GMBH, ISSN 0044-863X, GERMANY, Sonderdruck Heft I/2014 (ISI ARTS & HUMANITIES CITATION INDEX® 2015).

### 29- Improving the Thermal Performance of mosque buildings with the assistance of passive cooling systems.

Accepted, The European Conference on Sustainability, Energy & the Environment, Brighton, United Kingdom, July 9-12, 2015

### 28- The Impact of Day Lighting in Classrooms on Students' Performance.

International Journal of Soft Computing and Engineering (IJSCE), ISSN: 2231-2307, Volume-4 Issue-6, January 2015

**27- Results from the building survey of the Al-Nawar house in the old town of Jeddah within the frame of the TRABASA workshop.**

The second national built heritage forum, Saudi Arabia , Eastern province, 2012

**26- Improving Built Environment with Sustainable Ecosystems Assistance in Hot Regions.**

King Abdul-Aziz University Bulletin: Environmental Design Sciences, 2011.

**25- GIS Application for Documentation of Historical Jeddah Monuments**

King Abdul-Aziz University Bulletin: Environmental Design Sciences, 2010.

**24- Digital Modeling in Traditional Architecture Learning: The Method and Benefits.**

4th ASCAAD (Arab Society for Computer Aided Architectural Design) Conference, Manama, Bahrain, 2009.

**23- Sustainable Urban Development as an approach for the rehabilitation of the historic city of Jeddah**

King Abdul-Aziz University Bulletin: Environmental Design Sciences, 2006.

**22- Rational use of energy in urban development projects, with a focus on tropical regions.**

Scientific Bulletin of the Faculty of Engineering, Ain-Shams, Cairo. Vol 40, 2005

**21-Towards the revival of the use of the compact urban fabric in the tropics**

ARCHCAIRO 2005 Conference, Department of Architecture, ARCHITECTURE, COMMUNITIES AND SETTINGSGLOBALISATION AND BEYOND, Cairo, 2005.

**20- The Benefits of Compact Urban Fabric As a Green Community**

ADOBE 2004, The Second Annual Conference of the Adobe Association of the Southwest, May 21, 22 and 23, Northern New Mexico Community College El Rito Campus, USA. 2004.

**19- Ecological Aspects of the Courtyard House As a Passive Cooling System**

International Seminar: THE MEDITERRANEAN MEDINA, Pescara, Facoltà di Architettura, Francavilla, Museo Michetti, Italy, June 17-19, 2004

**18- Preserving the environment and energy in buildings on the slopes of the mountains of Makkah Al Mukaramah**

ARCHCAIRO 2004 Conference, Department Of Architecture, The 1st conference, Sustainable architectural and urban Development, February 2004.

**17- Renewable energies and sustainable urban design**

ARCHCAIRO 2004 Conference, Department Of Architecture, The 1st conference, Sustainable architectural and urban Development, February 2004.

**16- Optimization use of neglected urban spaces: A Case Study of Jeddah**

Scientific Bulletin of the Urban Research, Faculty of Urban Planning, University of Cairo, Vol 3, 2003

- 15- **Towards an academic approach to develop to take advantage of architectural heritage education in Architecture and Planning Faculties**  
Symposium of Urban Education in Saudi Arabia, King Faisal University, Dammam, Saudi Arabia, 2002.
- 14- **The evolution of the urban fabric and features change around the Grand Mosque in Makkah al Mukaramah**  
Symposium of Urban Environment of Makkah al Mukaramah and Al Medina al Munawarah and the challenges of the future, Mecca, Saudi Arabia, 2001.
- 13- **Determinants of urban design and architectural Jabal Omar Development in Makkah Al Mukaramah**  
Symposium of Urban Environment of Makkah al Mukaramah and Al Medina al Munawarah and the challenges of the future, Mecca, Saudi Arabia, 2001
- 12- **Urban spaces around the northern gate of the Fatimid Cairo**  
Symposium of Islamic architectural heritage in the third millennium, Doha, Qatar, 2001.
- 11- **Towards conserving the architectural heritage content of Fatimid Cairo**  
Engineering Research Bulletin, Faculty of Eng., Mataria, Helwan University, Vol. 59, April 1999
- 10- **Environmental Aspects of Urban Design in Hot Regions**  
FMICAT 99, Faculty of Engineering, Minia University, Minia, Egypt. March, 1999.
- 9- **Importance of the development of the desert and its role in attracting the population increase in Egypt**  
Engineering Research Bulletin, Faculty of Engineering, Mataria, Helwan niversity, Vol. 56, April 1998
- 8- **The Urban Growth of Islamic Cairo (640-1175 AD.):An Interactive Multimedia Implication.**  
Engineering Research Bulletin, Helwan University. Vol. 52 April 1997.
- 7- **Multimedia Information System of Cairo Architecture:A Study Of The Urban Image Of The Cairo Citadel**  
Cainet '97, 2nd Internet Conference & Exhibition, Cairo, March 1997.
- 6- **Automation of Space Allocation Planning Computability**  
Engineering Research Bulletin, Faculty of Eng., Mattaria, Helwan University, Vol. No. 51, Jan. 1997.
- 5- **The Successful Information Management of Builduing Design**  
3rd International Exhibition & Conference For Building & Construction, Cairo, June 1996.

#### **4- Multimedia Technology in Architectural History Education**

CATE 96, The First International Conference On Computer And Advanced Technologies In Education, Cairo, March 1996.

#### **3- 3D Computert Modeling in Architectural Design Process.**

AEIC' 95, Al-Azhar Engineering Fourth International Conference, Dec. 1995

#### **2- The Benefits of Computer Aided Architectural Design Systems.**

Engineering Research Journal, Helwan University, Vol. 5, June 1995

#### **1- Climatic Design of the House Form.**

Engineering Research Bulletin, Helwan University, Vol. 3, June1992

#### **Ph.D. Thesis topic :**

Programming The Climatic Design Of The Houses (Computer Application)

#### **M.Sc. Thesis topic:**

The Impact Of Natural Environment On Traditional Houses (In Egypt).

### **Conferences:**

- 2009** 4<sup>th</sup> ASCAAD (Arab Society for Computer Aided Architectural Design) Conference, Manama, Bahrain, 2009.
- 2005** ARCHCAIRO 2005 Conference, Department Of Architecture, Cairo University, ARCHITECTURE, COMMUNITIES AND SETTINGSGLOBALISATION AND BEYOND.
- 2004** ARCHCAIRO 2004 Conference, Department Of Architecture, Cairo University, The 1st conference, Sustainable architectural and urban Development.
- 1997** Cainet '97, 2nd Internet Conference & Exhibition, Cairo.
- 1996** 3rd International Exhibition & Conference For Building & Construction, Cairo
- 1995** AEIC' 95, Al-Azhar Engineering Fourth International Conference

### **Seminars:**

- 2011** The American Institute of Architects (AIA) Middle East in collaboration with Sesam Business Consultants. The Sustainable Design Days Jeddah Conference and Workshops
- 2007** Center of Excelence in Environmental Studies Work Shop, King AbdulAziz University, Jeddah, Saudi Arabia

- 2004** International Seminar: THE MEDITERRANEAN MEDINA, Pescara, Facoltà di Architettura, Francavilla, Museo Michetti, Italy
- 2002** Seminar of Urban Education in Saudi Arabia, King Faisal University, Dammam, Saudi Arabia
- 2001** Seminar of Urban Environment of Makkah al Mukaramah and Al Medina al Munawarah and the challenges of the future, Mecca, Saudi Arabia.
- 2001** Seminar of Islamic architectural heritage in the third millennium, Doha, Qatar

## Consultations:

- 2011** Creation Criteria of the municipalities and village clusters.  
Ministry of Municipal and Rural Affairs, Kingdom of Saudi Arabia, Member of the Teamwork, King Abdul Aziz University
- 2010** Consultant Architect, Follow up Committee-Haram Expansion Project, Ministry of Higher Education, KSA
- 2007** Central Jeddah Urban development Survey,  
Team work, King Abdul Aziz University in collaboration with Jeddah Development & Urban Regeneration Co., Jeddah, Saudi Arabia.
- 2006** King AbdulAziz Project for Regeneration & Development of Historical Jeddah Research funded by Jeddah Municipality, Saudi Arabia
- 2005** Development of the Khartoum Corniche, Sudan.  
Team work, King Abdul Aziz University in collaboration with the Red Sea Consultant Office, Jeddah, Saudi Arabia.
- 2004** Northern flood channel development for the purpose of entertainment and investment projects in Jeddah.  
Team work, King Abdul Aziz University in collaboration with Al Abniah consultants, Jeddah, Saudi Arabia.
- 2000** Jabal Omar Design Competition for Makkah Construction & Development Company, Makkah al Mukaramah Central Area.  
The first place, Teamwork, King Abdul Aziz University, Jeddah, Saudi Arabia.
- 1999** Flood channel development as urban park in the city of Jeddah  
Teamwork, King Abdul Aziz University, Jeddah, Saudi Arabia.
- 1998** Upgrading the urban environment and preserve the architectural character of the region of Greater Cairo (Ain Shams zone).  
Study for the Urban Planning Center for Greater Cairo Region, Ministry of Housing Utilities & Urban Communities, Egypt.

## Courses Attended:

- 2017** Naqaae, The National Authority to ensure the quality of education and accreditation, التقويم الذاتي لكليات ومعاهد التعليم العالي
- 2017** Naqaae, The National Authority to ensure the quality of education and accreditation, توصيف البرامج والمقررات وتقويم نواتج التعلم لكليات ومعاهد التعليم العالي
- 2011** The U.S. Green Building Council, BD+C 251 Understanding Building Design + Construction LEED Rating System Course, Jeddah, KSA
- 2010** The U.S. Green Building Council, Green Building Basics and LEED online Course
- 2010** The U.S. Green Building Council, Introduction to LEED for Schools online Course
- 2010** The U.S. Green Building Council, LEED Core Concept and Strategies online Course

## Research Contributions:

- 2011** Historic Jeddah Documentation, TRaditional Architecture recorded by means of Building Archaeology in Saudi-Arabia, A Joint Research Project of KAU and VUT
- 2010** Reviewer, The 8<sup>th</sup> International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2011, Orlando, Florida, USA
- 2010** Improving the Thermal Performance of Mosque Buildings With the Assistance of Passive Cooling Systems  
Research funded by Deanship of Scientific Research, King Abdul Aziz University
- 2009** Increase the capacity of the Tawaf of Holly Mosque, Makkah Al Mukaramah. A member of team working, Faculty of Environmental Design, King Abdul Aziz University, Saudi Arabia.
- 2009** The Impact of Day lighting in Classrooms on Student Performance  
Research funded by Deanship of Scientific Research, King Abdul Aziz University