



Rasha M. Selim, Ph.D.

589 West of Golf, Fifth settlement, New Cairo,
Egypt.

+20-106-0499990.

rashaselim1@hotmail.com

Education:

- Doctoral degree in Civil and Environment Engineering, University of Alabama at Birmingham AL, USA (2008).

Thesis title: " Investigation of Thermal Performance, Indoor Air Quality and Energy Consumption within Tuskegee Healthy House Demonstrative Model."

- Certificate in Construction Engineering Management, University of Alabama at Birmingham AL, USA (2008).
- Certificate in Environmental Engineering , University of Alabama at Birmingham AL, USA (2008).
- Master degree in Building technology and Environmental Control, Cairo University, Cairo, Egypt (2003).

Thesis title: "The Effect of External Envelope Technology on Energy Conservation in Buildings."

- Bachelor of Architectural Engineering, Cairo University, Cairo, Egypt (2001) very Good.

Technical possessions:

- Evaluation and implementation of energy efficient and healthy standard in housing.
- Conference organization
- working as an interior designer and selecting furniture and accessories)
- Working as a team member in planning and development rural areas.
- Establishing standards for energy efficient buildings in Egypt, working as a team member in energy building code.
- Working with computer software to simulate building models before implementation.
- Enhancing energy efficient building design.
- Teach and instruct personnel in different areas and subjects related to building design.
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- Assist faculty staff in evaluating and grading course works.
- Team member in recruiting employees for construction office.
- ARCH/ Owner Rep. in big Construction projects in Egypt.

Experience:

August 2013 till present

- Consultant at Emaar Misr
(working as an interior designer and selecting furniture and accessories)

August 2013 till present

- Researcher at housing and architecture institute
Housing and Building National Research Center of Egypt

(Participate with research team in data gathering and analysis to reach our goals and perform different researches)
(working in conferences organization)

August 2005 till present

- Committee Member, Egyptian Building Energy Code
Housing and Building National Research Center of Egypt

(Establishing and updating building energy code standards that is suitable for the national requirements)

2010-2011

- Adjunct Faculty
American University in Cairo

(Seminar course: evaluating students internships in construction companies. Engineering drawing course)

August 2005 till August 2008

- Graduate Research Assistant

University of Alabama at Birmingham.

(Duties included evaluation of an affordable energy efficient house that was built in Tuskegee as collaboration between Alabama and Tuskegee University. The evaluation takes place using field measurements and simulation program, then those results was included as part of my dissertation)

October 2002 till 2005

- Teaching Assistant
Architectural Department, Faculty of Engineering, Cairo University.

Conferences and workshops

May 2018

- First international conference of Green Sustainable Roads in Egypt (Presenter)
- Paper Title “ Comparison Between Energy Efficiency in Different Rating Systems, the Building User Guide to Implement the Energy Efficiency in the GPRS”

November 2017

- Towards a Better Quality of Life, Technische Universitat Berlin Campus Elgouna, Egypt

April 2017

- Nano technology in Construction, Sharm sheikh, Egypt (Presenter).
- Paper Title “Methodology for Energy Efficiency (EE) Evaluation in the Green Pyramid Rating System (GPRS)”

January 2016

- Egypt leaps, Delphi survey 1st workshop, Nile University

November 2016

- SBE 16 CAIRO, Sustainable built environment Conference

November 2016

- Arab Union for Sustainable Development and Environment (Presenter).
- Paper Title "Sustainable Architecture Environmental and Economic impact"

March 2009

- International Conference & Workshop on Sustainable Green Building Design & Construction, Cairo, Egypt (Presenter).
- Paper Title "The Implication of Changing shading Coefficient within Tuskegee Healthy House Demonstrative Model."

January 2007

- International conference on Woman Leaders in Science, Technology and Engineering, Arab organization Head Quarters, Kuwait

December 2004

- HBRC International Conference on Future Vision And Challenges For Urban Development (Presenter).
- Paper Title "Energy Performance of Building Envelop In Egypt".

April 2004

- Seminar on Quality Control Methods and Quality Assurance in Engineering Projects, Tunis.

September 2000

- International Conference on Building Technologies, Civil Engineering Research Agency, Washington, USA

Training:

- Working as a secretary in an engineering office during the summer months
- August 1998 - Attending summer training for one month in consulting firm in Netherlands.
- August 1999 - Attending a Kayakoy workshop as summer training in turkey through Umar

Continued Education:

- September 2001 till 18 October 2001 - Attending a training program in Geographical Information Systems for Urban planning and Land Administration at Urban Planning & Studies Institute –UTI
- September 2002 till 25 September 2002 - Attending a training program in the field of Green Architecture.
- September 2018- Attending Managing for Performance training program given by Emaar Learning Academy

Skills:

- Good communication skills, holding 3 language [Arabic (mother tongue), English (fluent), and French (fair)].
- Good computer skills (Microsoft office, AutoCAD, visual DOE).
- Team work skills (working as team member and team leader in various projects).
- Good taste in interior design

Honorary membership:

- Chi Epsilon, the National Civil Engineering Honor Society-USA
- Golden Key, International Honor Society-USA.

