

## CURRICULUM VITAE

### Moamen Mahmoud El-Soudani



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#### Personal

Date of Birth	: 1/1/1983
Nationality	: Egyptian
Gender	: Male

#### Research

Minor Area	<i>Sustainable Architectural and Urban Design.</i>
Phd. Thesis; Starts: June 2011	<b>INTEGRATION OF VLS-PV SYSTEMS INTO BUILT ENVIRONMENT</b> <i>The case of “ Mediterranean Coastal Communities”</i>
MSc. Thesis; August 2009.	<b>Solar Energy Applications In Urban Development;</b> <i>Developing the Egyptian Desert Using Silicon Techmology</i>
(Pre- Master) 2005-2006	<b>Post-graduate Studies, Architectural Engineering, from Faculty of Engineering, Mansoura University.</b>
BSc. year; June 2004.	: <b>Very good ( 81.80 % ) with Honor degree ranked ( Alfa ).</b>
Graduation project	: <b>Egyptian Silicon Valley ( Research and Administrative Complex ) .</b>
Graduation project grade	: <b>Excellent ranked ( Alfa ).</b>
Country	<b>Egypt &amp; Germany</b>

#### Academic Activities & Workshops

1st. Workshop	: Department of Architecture, Faculty of Engineering, Mansoura University.
2nd. Workshop	: Department of Architecture, Faculty of Engineering, Mansoura University.
3rd. Workshop	: Department of Architecture, Faculty of Engineering, Mansoura University.
1st.Cairo Inter. Conference Conference Competition; <b>Third Prize;</b>	: Dept. of Architecture, Faculty of Engineering, Cairo University. <b>Design light metro station, El-Malek El Saleh –in Old Cairo, 2004</b>
2st.Cairo Inter. Conference Conference Competition; <b>Third Prize;</b>	: Dept. of Architecture, Faculty of Engineering, Cairo University. <b>Design Egyptian house for 21 century, Cairo University, 2005</b>

#### Young Expert

International Workshop (Algeria ) June, 2008	International Experts Workshop on Efficient Buildings <b>“Pilot Design Project of a Sustainable Research Building at Algiers Polytechnic School of Architecture and Urbanism”</b> 21-23 June 2008, Algeria (DAAD- Tu-Berlin- MENASHDA- The Unit of Solar Equipments Development (UDES)
International Conference (Tunisia ) Dec. 2009	<b>The International Conference “Energy, Water &amp; Sustainable Development in Construction and Tourism”</b> Tunisia, 8-10th Dec. 2009.
Egyptian German Workshop (Cairo) May 2011	Workshop on <b>“The Role of Science and Technology In the Democratic Reform Process in Egypt”</b> 27-28 May 2011, Cairo, Egypt

<b>Research Papers;</b>	
International Conference (Australia ) Sept. 2009	Solar 09 , “ Annual Conference of the Australian and New Zealand Solar Energy Society “ Australia, 29 September - 2 October 2009. <b><u>“Developing the Egyptian Desert by Photovoltaic Technology”</u></b>
International Conference (Cairo ) Dec. 2009	The Fifth international architectural conference, Cairo, 16th to 17th of December 2009. <b><u>“Potentials of VLS-PV Systems: Sustainable Solutions for Egyptian Desert Communities”</u></b>
International Conference (Kuwait ) Sept. 2009	Kuwait Society of Engineers (KSE) Engineering Congress “Alternative Energy Applications: Option Or Necessity“ Kuwait , 2-6th Nov. 2009. <b><u>“Integrating of VLS-PV Systems Within Development Scenarios For The Egyptian Desert”</u></b>
International Conference (Tunisia), 8- 10th Dec. 2009.	Conference on Energy, Water & Sustainable Development in Construction and Tourism, Citet, Tunisia. <b><u>“Use of Solar Energy Applications as an Approach to Attain Sustainable Touristic Development in the Egyptian Northern-Coastal Zones”</u></b>
10th International Conference for Enhanced Building Operations (ICEBO 2010)_2-6th of Nov.2009	10th International Conference for Enhanced Building Operations/ organized by the Kuwait Institute for Scientific Research (KISR) and the Energy Systems Laboratory (ESL) at Texas A&M University, USA/ Kuwait. <b><u>“Feasibility of Using VLS-PV Systems in Future Egyptian Cities; Case Study “Suez Canal Region”,</u></b>
1st International Sustainability Conference, BUE University, 23-25 November 2010, Cairo.	1st International Sustainability Conference, British University of Egypt, Cairo. <b><u>“VLS-PV Communities as part of the Future Egyptian Intermediate Cities”</u></b>
Young Scientists international competition, 23-25 <sup>th</sup> of Nov.2010	The 1st International Sustainability Conference, British University of Egypt, Cairo. <b><u>“DESR-SKY; Using innovative Renewable Energy application for Water, Energy, and food production into the Desert communities- Egypt ]”</u></b>
1st International Research Symposium; Ankara, Turkey. ,15-16 October 2011	1st International Graduate Research Symposium on the Built Environment, Middle East Technical University, Ankara, Turkey. <b><u>“Examining the use of Photovoltaic systems as an approach for VLS-PV’s communities in Egypt”</u></b>
International network (Symposium IAPS 2011), Daegu, Korja 10-14 Oct. 2011	International network (Symposium IAPS 2011), Daegu, Korja. <b><u>“Studying The Role of VLS-PV Systems into the Egyptian Coastal Communities”</u></b>
<b>Awards</b>	
10th International Conference for Enhanced Building Operations (ICEBO 2010)	<b>AWARD : BEST RESEARCH PAPER;</b> <b>FEASIBILITY OF USING VLS-PV SYSTEMS IN FUTURE EGYPTIAN CITIES; Case Study “Suez Canal Region”</b>
Young Scientists international competition, BUE University, November 2010, Cairo.	<b>FRIST PRIZE;</b> <b>DESR-SKY</b> Using innovative Renewable Energy application for Water, Energy, and food production into the Desert communities- Egypt ]”
Awarded PhD Scholarship by German Egyptian Research Long-Term Scholarship (GERLS) Research project;	<b>Full PhD. Candidate</b> at the School VI Planning Building Environment, <b>Technische Universität Berlin</b> & Institute for Energy Technology, <b>INTEGRATION OF VLS-PV SYSTEMS INTO BUILT ENVIRONMENT</b>

## Research projects;

<b>ESU Lab</b> – research Unit, Leader and Author of the 2nd research theme in ESU lab; Jan. <b>2009</b>	<b>ESU Lab</b> , (Egyptian 95% Sustainable Urbanism - Research Lab.) Titled; <u>“Green Mines for developing the Egyptian Desert using Solar Energy Applications”.</u>
<b>Virtual Labs Fund Projects;</b> Egyptian Higher Education Research projects, Oct. <b>2010</b>	<b>Virtual Labs, funded Simulation programs;</b> <u>“Energy Simulation Programs for Enhancing Energy Efficiency of Architectural Building and Urban Design”</u>
<b>TEMPUS IV-4<sup>th</sup> Call</b> , Dec. <b>2010</b> Participate in and co-write the research project; <a href="http://www.esulab.org/">http://www.esulab.org/</a>	<b>BuildClimat3X3</b> <u>“Building Climatology Units: Emphasizing Energy, Environment and Society into Research, Training and Consulting, BuildClimat3X3)”</u>
<b>FP7 People - IRSES</b> , Participate in and co-write the research project; March <b>2011</b>	<b>5E Historic Built</b> <u>“ 5E Historic Built; Exchange of Experiences on Enhancing Energy Efficiency of Historical building”</u>
<b>NGO, Masr El-Kheer Funing;</b> Participate in and co-write the research project; July <b>2011</b>	<b>EWf-Hinterlands</b> <u>“Combined Techniques of Energy, Water and Food Production for the Development of the Egyptian Hinterlands Societies”</u>

## Exchange Programs;

<b>Funded DAAD; Academic Exchange Program;</b> , Preparing the program with the German universities, Oct. <b>2010</b>	<b>EGYPTIAN Student study to GERMANY (TU-Dresden &amp; TU-Berlin).</b> Developing cooperation with universities (TU-Dresden & TU-Berlin).
<b>Funded DAAD; Academic Exchange Program,</b> March <b>2011</b>	<b>GERMAN Student study to EGYPT (Mansoura Uni &amp; German Uni.).</b> Developing cooperation with German universities (TU-Dresden).

## Work Career Programs;

<b>Academic Career</b>	>> <b>Researcher, Assistant Teasher</b> , in Department of Architectural Engineering, Faculty of Engineering, Mansoura University. Starting 08 / 05/ 2005 to 2009.
	>> <b>Assistant Lecturer</b> , in Department of Architectural Engineering, Faculty of Engineering, Mansoura University. Starting 01 / 10/ 2009 to date.
<b>University’s Engineering Consultation</b>	>> <b>Senior and architect</b> ( Consultation and research Center of Engineering – Mansoura ) starts Dec. 2009 to date.
<b>Private work</b>	>> <b>Architect &amp; Engineer</b> in private architectural office.

## Non-Academic Prizes; National and International Architectural Competitions.

- I participated in **sixteen** national and international Architectural competitions for ideas and designs, and have **eight prizes and different Appreciation certificates.**
- **Archiprix International Book;** as one of **66 world’s Best Graduation Projects 2006.**

## Architectural Prizes

### Participate in Regional student Architectural Competitions.

- Design Remaia plaza in Giza ,Egypt.	<b>Second prize- 2002</b>
- Design mobile library of Dar el kotob el masria.	<b>Third prize- 2003</b>
- Design light metro station, El-Malek El Saleh –in Old Cairo.	<b>Third prize*- 2004</b>

### Participate in International Student Competitions.

- Sustainable architecture project by using Aluminum cladding.	<b>Fourth category*- 2003</b>
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### Participate in Open International Competitions.

- Design library of the age (Mediateque library), Japan	competition entry - 2003
- Interior design idea (Hanssem) Japan, china, Korea.	competition entry *- 2004

#### - Participate in Regional Open Competition.

- Design Egyptian house for 21 century, Cairo University. - Design of child & youth village library, Ministry of culture, Cairo.	Third prize* - 2005 First prize* - 2005
- Design and Renovation of <b>Stockholm public library</b> ( Asplund library) –Sweden <a href="http://www.arkitekt.se/s25734/f3179?skip25556=700">http://www.arkitekt.se/s25734/f3179?skip25556=700</a>	(27 October*) 2006
- -Main Land mark in Western Entrance of Dammam city, Saudi Arabia.	First prize
- IaaC 2nd Advanced Architecture Competition for self-Sufficient housing, Spain <a href="http://www.iaacblog.com/AAC2007-finalists/?cat=3">http://www.iaacblog.com/AAC2007-finalists/?cat=3</a>	One of <b>20 finalists project</b>
- Holcim International Award 2008 for sustainable construction, USA <a href="http://www.holcimfoundation.org/">http://www.holcimfoundation.org/</a>	(18 Sep.*) 2007

#### Other Information

- **Official Invitation** to be part in (**IaaC**) the main research team of Advanced Architecture of Catalonia in the project “**THE SOLAR HOUSE**” during the 2009-1 Academic year, starting on October **2009**.
- **National Member of MENASHDA** (Middle Eastern North African Development Association) TU-Berlin, Germany, **2008**.
- **Author and co-founder member** of the research Lab (**ESU Lab.**) for developing research cooperation with international institutes, **2008**.
- **Leader and supervisor** (Architecture Dept.) of student’s participation in national and international architectural competitions, since **2007**.
- **Coordinator** for the international academic exchange programs for Under-graduate students in the Dept. of Architecture Engineering, **2010**.
- Participate in and support deferent social, scientific, and cooperation **initiatives** and activities for developing my affiliation firm.

#### Skills:

- **Computer skills:** - GIS & Data base analysis / ECOTECT and simulation programs.
- Professional CAD 3D & 2D/ Modelling and rendering with 3D studio MAX.
- Architectural projects presentations with Adobe Photoshop 8.0 cs.
- Basic programming skills, extensive use of Ms Word.
- **Architectural skills:** - Key Architect in Architecture design, concepts, forming, environmental ideas and Landscape Design/ Making wooden architecture models / Creative Arch. design (exterior and interior).

#### Looking for

##### National Partnership

- *Through co-operation with national practical and research projects related to **practice oriented sustainable development**, especially using **renewable Energy applications in urban and architectural development**.*

##### International Partnership

- *Through recognized scientific research programs leaded by **UNDP** (United Nation Development program) and/or **IEA** (International Energy Agency)*
- ***Very Large Scale Photovoltaics (VLS-PV)** and its applications in world’s desert, one of my recent and future targeted issues.*
- ***Desert development and desert’s new communities**, using of renewable energies and solar energy in specific.*

#### Place & Date

Charlottenburg, Berlin, Jan. 2012

#### Signature

