

CIRCIULUM VITA

Dr. Medhat M. A. Osman

Personal Information



Name :	Medhat Mohammed Ahmed Osman	
Date of Birth :	24 th September, 1975	
Gender :	Male	
Religion :	Moslem	
Military service :	Performed in March 2001 with <i>Excellent</i> grade "good example "	
Marital status :	Married	
Profession :	Assistant professor, Architectural department, Faculty of Engineering, Minia University, Egypt	
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Academic Qualifications

Undergraduate

Undergraduate qualification	Bachelor of Architectural engineering (BSc). May 1999.
Institute	Architectural Department, Faculty of Engineering, Minia University, Egypt.
General grade of graduation	Very good with honor's degree by 80.73%
Graduation project subject	Architectural design project "Tourism healthy resort at Hmamat faroon south of Sinai ".
Graduation project grade	Very good (75%-85%).

Annual grades during studying the BSc.

Year	Grade	Remarks
1st year General , 1994-1995	Very good (75%-85%)	General order " fifth over Class "
2nd year Arch. dept , 1995-1996	Very good (75%-85%)	General order " First over Class "
3rd year Arch. dept , 1996-1997	Very good (75%-85%)	General order " third over Class "
4th year Arch. dept , 1997-1998	Very good (75%-85%)	General order " second over Class "
5th year Arch. dept , 1998-1999	Very good (75%-85%)	General order "second over Class "

Postgraduate

Postgraduate qualification (1)	Master of Science (MSc) preliminary courses. June 2001
Institute	Architectural Department, Faculty of Engineering, Minia University, Egypt.
General grade of graduation	Good (65%-75%)

Subjects' grades in the Msc courses

Subject	Grade
Housing and city planning (1)	Good (65%-75%)
Housing and city planning (2)	Distinction (85%-100%)
Projects economics	Pass (50%-65%)
Numerical analysis and computer applications	Good (65%-75%)
Geography of cities (Optional course)	Good (65%-75%)
Scientific English language	Good (65%-75%)

Postgraduate qualification (2)	Doctor of Philosophy (PhD). (From May 2007 to May 2011)
Institute	Environmental Design of Buildings (EDoB) research unit, Dundee School of Architecture, University of Dundee, Scotland, UK
PhD thesis title	<i>Evaluating and enhancing design for natural ventilation in walk-up public housing blocks in the Egyptian desert climatic design region.</i>

Personal Skills

COMPUTER SKILLS :	General software	◆ All previous and latest versions of windows operating systems + ICDL holder	◇ <i>Very good</i>	
		◆ Microsoft Word with all previous and latest versions	◇ <i>Excellent</i>	
		◆ Microsoft Excel with all previous and latest versions	◇ <i>Excellent</i>	
		◆ Microsoft Power Point with all previous and latest versions	◇ <i>Excellent</i>	
		◆ Microsoft Access with all previous and latest versions	◇ <i>Good</i>	
		◆ Internet User	◇ <i>Excellent</i>	
	Architectural software	◆ AutoCAD program with all previous and latest versions.	◇ <i>Very good</i>	
		◆ Adobe Photoshop program	◇ <i>Very good</i>	
		◆ Google Sketchup	◇ <i>Very good</i>	
		◆ 3D Home	◇ <i>Good</i>	
	Environmental design software	◆ Autodesk Ecotect whole building analysis package	◇ <i>Excellent</i>	
		◆ HTB2 thermal simulation software	◇ <i>Very good</i>	
		◆ IES building design package	◇ <i>Very good</i>	
		◆ FloVent Computational Fluid Dynamics software (CFD)	◇ <i>Excellent</i>	
		◆ Meteororm software for generating weather files	◇ <i>Excellent</i>	
		◆ Autodesk Weather tool software	◇ <i>Excellent</i>	
	Statistical software	◆ SPSS with all previous and latest versions	◇ <i>Excellent</i>	
	English language :		Very good in reading, writing and speaking + IELTS with grade 6.0 (January 2007) + Living in the UK for four years (2007-2011)	

Work Experience

Research interests and publications:

1. Research interests:

- ◆ Environmental design of buildings;
- ◆ Thermal comfort & Energy efficiency in hot climates;
- ◆ Natural ventilation as a passive cooling strategy;
- ◆ Buildings' monitoring; and
- ◆ Computational Fluid Dynamics (CFD) modelling and simulation.

2. Publications

- ◆ Gado, T. and M. Osman, Investigating natural ventilation inside walk-up housing blocks in the Egyptian desert climatic design region. International journal of ventilation, 2009. 8(2): p. 145-160.
- ◆ Gado, T., M. Mohamed and M. Osman, Investigating the intelligence of the low-tech earth architecture of the Sahara: A feasibility study from the Western Desert of Egypt. Intelligent Building International, 2010. 2(3): p.179-197.
- ◆ Gado, T. and M. Osman, Investigating traditional natural ventilation methods used in El-Dakhla Oasis old village. Intelligent Building International, 2010. 2(4): p 267-285.

Teaching Work :

1. *Assistant lecturer at faculty of industrial education Bani-Swiff, Egypt for two semesters from 1999 to 2000, assist in teaching the following subjects:*
 - ◆ Architectural design,
 - ◆ Façades finishing materials, and
 - ◆ Working drawings
2. *Assistant lecturer at Architectural Department, Faculty of Engineering, Minia University, Egypt for 11 semesters from 2001 to 2006, assist in teaching the following subjects:*
 - ◆ Architectural design,
 - ◆ Building executive supervision,
 - ◆ Working drawings,
 - ◆ Town & site planning,
 - ◆ Regional planning, and
 - ◆ AutoCAD program.
3. *Assistant lecturer at Dundee School of Architecture, University of Dundee, UK for 4 academic years from 2007 to 2011, assist in teaching the following subjects:*
 - ◆ Environmental Design of Building (EDoB) Lab
 - ◆ Building simulation (Ecotect software)
4. *Assistant professor at Architectural Department, Faculty of Engineering, Minia University from 2011 till now. Teaching the following subjects:*
 - ◆ Working drawings and design,
 - ◆ Building construction
 - ◆ Building physics “Acoustics and lighting”
5. *Assistant professor at High institute of engineering and technology, Minia industrial state, Minia, Egypt (1day/week) 1 semester from 09/2011 to 12/2011. Teaching the following subjects:*
 - ◆ Environmental control,
 - ◆ Building construction.
6. *Assistant professor at Architectural department, Aswan Faculty of Engineering, South valley University, Aswan, Egypt (1day/week) 1 semester from 02/2012 to 06/2012. Teaching the following subjects:*
 - ◆ Environmental design and climatology,
 - ◆ Architectural design.

Architecture design & Site management practice work:

1. *Working as trainee at “Engineering and soil research consultancy office” Sohag, 1995 : 1997;*
2. *Working as trainee at “The Arab contractors company” during summer holidays, 1996 : 1999;*
3. *Working as an Architect at “APRD consultancy office”, Cairo : 08/99 : 02/00*
 - ◆ Architectural regeneration for “The Indonesian culture center ground floor and façade at Mosadak St. - Doky - Cairo”;
4. *Working as technical office’s engineer at “one of Egyptian army construction Companies”, Cairo ... 1/2000: 3/2001.*
5. *Working as a senior Architect and executive manager at “Arab Germany home for architecture and planning - DAHAP”, Minia ...03/01: 04/07.*
 - ◆ Architectural design for " Packing and freezing potatoes' factory in New Al-Minya City”;
 - ◆ Architectural design for "Oil and ensilage factory in New Al-Minya City”;
 - ◆ Architectural design for "Kamar AL-dawlla Abd El-Mota`l mosque in New Al-Minya City”;
 - ◆ Architecture design for "Shopping centre at the central area of the housing association compound in New Al-Minya City”;
 - ◆ Landscape & Architectural design for "The River side police club in Al-Minya City”;
 - ◆ Landscape & Architectural design for “The police solders campus at the

eastern desert motorway, Al- Minya";

- ◆ Landscape design for "Aviation club in New Al-Minya City";
- ◆ Architecture design for about "30 residential villas in New Al-Minya City";
- ◆ Architecture design for "4 High rise residential apartments' blocks in Al-Minya - Samalout - Abo korkas and Bhera cities "; and
- ◆ Senior designer in the Architectural design of the faculty of Literature, Minia university, Egypt.

6. Working as the team executive manager in the project of the strategic planning of 5 villages (Shosha – Eltiba – Sedhom – Elroby – Elsalam) Samalout, Al-Minya, Egypt.... 4/2005 – 9/2005

7. Working as an architectural consultant at "The Engineering consultancy unit, Faculty of Engineering, Minia University, Egypt" ... 05/2011 till now

- ◆ Architectural redesign for " Central kitchen of Bani-Mazar Hospital , Bani-Mazar city, Egypt";
- ◆ Architectural redesign for " Blod bank of Bani-Mazar Hospital , Bani-Mazar city, Egypt";

Attended Conferences and Seminars

- ◆ Context analysis (The first step to building design) - Tamer Gado - Dundee School of Architecture – 20th of September 2007.
- ◆ Learning from reality (Case studies) lecture – Tamer Gado – Dundee School of Architecture – 4th of October 2007.
- ◆ Space structure and skin lecture – Neil Burford – Dundee School of Architecture – 4th of October 2007.
- ◆ Natural Ventilation Design with CFD online seminar - Christopher Wark, Flomerics Inc - 28th of November 2007.
- ◆ Lighting techniques and model testing lecture – Tamer Gado - Dundee School of Architecture – 19th of February 2008.
- ◆ How can we integrate sustainable housing and regeneration? – A Scottish Centre for regeneration master class and practice event – Edinburgh international conference centre – Edinburgh – UK – 28th of February 2008.
- ◆ Experiencing the transfer procedure and discussion – Mady Mohammed – Dundee School of Architecture – PhD Base – 2nd of April 2008.
- ◆ Balancing the Ventilation and Acoustic Requirements for a School Classroom – Web Seminar – September 2008 – Flomerics Inc.
- ◆ Challenges for Intelligent Buildings in the 21st Century – Prof. Derek Croome - Thursday 4th December 2008 - Lecture theatre: 5018 – Dundee School of Architecture.
- ◆ Energy heritage – Sustainable energy and historic Scottish housing – Nicolas Heath – 27th January 2009 - Lecture theatre: 5018 – Dundee School of Architecture.
- ◆ Finding my way – Lesley McIntyre – 28th January 2009 - PhD students' seminars series – Dundee School of Architecture.
- ◆ Could walking be architecture? A discussion of the contribution of creative walking to urbanism/ruralism – Ian Ruaraidh Harrison – 11th February 2009 - PhD students' seminars series – Dundee School of Architecture.
- ◆ Demonstration Projects: Focus on insulation and damp-proofing in buildings – Scottish construction centre – 18th February 2009 – Sanderson Building – University of Edinburgh.
- ◆ Adapting Buildings and Cities for Climate Change: Adapting for 3 degrees of climate change – Prof. Sue Roaf – 27-04-2009 - The Dalhousie Building 2S13 – University of Dundee.
- ◆ Benchmarking Sustainable Communities - It all depends on what you mean by Sustainable Communities – Prof. Sue Roaf – 27-04-2009 - The Dalhousie Building 2S13 – University of Dundee.
- ◆ Adapting to future climates – Network for Comfort and Energy Use in Buildings (NCEUB) - autumn meeting - 08-09-09 - Martin Hall in New College located on the Mound – Edinburgh
- ◆ Simulating & Optimizing Pressure Drop - Chris Watson and - David Smith -14-10-09 - Web Seminar – Mentor Graphics Inc.
- ◆ Adapting Buildings and Cities for Climate Change: Adapting for 3 degrees of climate change – Prof. Sue Roaf – 15-10-2009 - The Dalhousie Building 3F01 LT3 – University of Dundee.
- ◆ Creating nature in built form - Aidan Williams - 25th November 2009 - PhD students' seminars series – Dundee School of Architecture.

Attended Training Courses

- ◆ English language course from medium to advanced level – British council – Egypt – 01/06 to 01/07
- ◆ ES2 Academic Writing course from 27th of September to 29th of November 2007.
- ◆ ES2 Academic Speaking course from 27th of September to 29th of November 2007.
- ◆ ES2 Academic Reading & Vocabulary Building course from 23rd of January to 26th of March 2008.
- ◆ ES2 Academic Listening and Note-taking course from 23rd of January to 26th of March 2008.
- ◆ Effective Researcher course – Generic skills program – University of Dundee – UK – 23rd of May 2007.
- ◆ PhD students' induction day – College of Art & design, Architecture, Engineering & Physical Sciences – University of Dundee – UK – 23rd of October 2008.
- ◆ Endnote Training course – Generic skills program – University of Dundee – UK – 16th of November 2007.
- ◆ Searching Research Literature course – Generic skills program – University of Dundee – UK – 16th of November 2007.
- ◆ Post-graduate Project Management for PhD Students course – Generic skills program – University of Dundee – UK – 20th of November 2007.
- ◆ Basic Word Techniques for PhD Students course – Generic skills program – University of Dundee – UK – 23rd of November 2007.
- ◆ Introduction to statistics (Non Bioscience) course – Generic skills program – University of Dundee – UK – 29th of November 2007.
- ◆ Writing for Academic and Research Purposes (1st Year) course – Generic skills program – University of Dundee – UK – 5th of December 2007.
- ◆ Statistics for Bioscience Post-graduates part B course – Generic skills program – University of Dundee – UK – 11th of January 2008.
- ◆ Using laser cutter induction – Dundee School of Architecture – University of Dundee – UK – 30th of January 2008.
- ◆ Advanced Word for Thesis Writing course – Generic skills program – University of Dundee – UK – 25th of February 2008.
- ◆ Microsoft Access for researchers - part 1 course – Generic skills program – University of Dundee – UK – 5th of March 2008.
- ◆ Microsoft Access for researchers - part 2 course – Generic skills program – University of Dundee – UK – 12th of March 2008.
- ◆ Excel - Functions, Tricks and Short-cuts course – Generic skills program – University of Dundee – UK – 13th of March 2008.
- ◆ Image Manipulation - Introduction to Digital Imaging course - Generic skills program – University of Dundee – UK – 9th of April 2008.
- ◆ ES3 Academic Reading & Vocabulary Building course from 23rd of January to 26th of March 2009.
- ◆ ES3 Academic Listening and Note-taking course from 23rd of January to 26th of March 2009.
- ◆ Effective presentation – Faculty and Leadership Development project (FLDP) – Faculty and leadership development centre – Minia University – Egypt – from 12th to 13th of June 2011.
- ◆ Quality standards of teaching – Faculty and Leadership Development project (FLDP) – Faculty and leadership development centre – Cairo University – Egypt – from 25th to 27th of June 2011.
- ◆ International publishing of research – Faculty and Leadership Development project (FLDP) – Faculty and leadership development centre – Cairo University – Egypt – from 28th to 30th of June 2011.
- ◆ Student evaluation – Faculty and Leadership Development project (FLDP) – Faculty and leadership development centre – Cairo University – Egypt – from 28th to 30th of June 2011.