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**POSITION :** Associate Professor, Fine Arts College, Architecture dep. Minia University and Director of Quality Assurance Unit (2008-2011), now: Asso. Prof., Design and Architecture college Gazan University

## **EDUCATION:**

March 2005 Ph. D. in Architecture Studies  
Ain Shams University - Faculty of Engineering  
Thesis: “Environmental Adaptation of Urban Design for Desert Settlements”

June 1999 M.Sc. in Architecture Studies  
Ain Shams University - Faculty of Engineering  
Thesis: “Natural Ventilation as a Design Approach in Passive Architecture”

1990 - 1992 Diploma in Architecture Studies  
Ain Shams University - Faculty of Engineering

1975 - 1980 B.Sc. in Architecture Studies  
Helwan University - Faculty of Fine Arts  
Thesis: “Agricultural Settlements and Habitat”

## **CONTINUING EDUCATION:**

2006 Minia University, Faculty and Leadership Development project courses (Effective Teaching, presentation and communication skills- Professional Ethics- Quality Assurance, scientific writing, ) 120 hours.

1999 Ain-Shams University, Preparation course for High Studies applicants – 48 hours.

1998 Workshop in the Green Architecture, sponsored by Organization for Energy Conservation and Planning – 40 h.

1992 Cairo University, Egyptian History and Archaeology – 145 hours and field visits.

1992 Helwan University, Contextual Liberal Arts -20 hours

## **AFFILIATIONS**

- Member, Egyptian Syndicate of Engineers, 1980
- Member, Egyptian Society of Architects, 1980
- Member, Earth Construction Association, 1998
- Member, Environment & Human Heritage Conservation Association, 2005

## **AWARDS AND MERITS**

- Environmental Basic Shelter Cell for the Homeless in Bosnia, Engineers Syndicate - First Mention Award '94
- International Small Housing Design, Colorado State University - Achievement Certificate '95

## **RESEARCH**

- Planning and Design Criteria for Desert Regions-TOSHA, Building Research Centre, Dec.1999-2000.
- Climate Considerations of Settlements Design in Aswan and Nasser Lake, UNDP and Ministry of Planning, Nov. 2000 - April 2001.
- Environmental Analysis of New Cairo City Urbanism- field investigation of urban activities, land use, services, housing, protected areas, green areas, terminals and roads, waste, new construction and surrounded, Ministry of Environment, Jan - June 2001.

## PUBLICATION

- **“Experimental and Simulation study for Hybrid Ventilation Behaviour through High-mass Building in Hot arid Climate”** 5th International ASCAAD Conference-Arab Society of Computer Aided Architectural Design, Fez, Morocco October 2010
- **“Ecological Architecture in Makah and the Influence of Alwakf Tower in Modifying Air Flow Through Ibraheem Vally”**, Elazhar University magazine, Vol.6, No 19, April 2011, Building Technology magazine, lissue No.21, 2010,Ryadh
- **“Simulation Comparison between Natural and Hybrid Ventilation by Fans at Night Time for Sever Hot Climate (Aswan, Egypt)”**, 6<sup>th</sup> IBPSA Canada Conference – International Building Performance Simulation Association, May 2010
- **“Impact of Building Technology on the Environment”**, King Soud Univ., Technology and Sustainability, Jan. 2010 (publication & presentation)
- **“Back to the Human Construction”**, Azerbigan Ministry of Tourism Symposium Bacu is a Capital of Islamic Cities, June 2009 (presentation)
- **“Environmental Adaptation of Urban Design for Settlements in Hot Dry Desert’**, ARCC conference Leadership in Architectural Research between Acadimia and Profession, Texas University, USA, April 2009
- **“Landscape Architecture as a Perspective of Energy and Recourses Conservation’**, University Sains Conference Built Environment In Developing Countries, Malaysia, Dec.2008
- **“Architecture Education and Héritage conservation”** , Réhabilitation et Regualification, Universite de Constantine Mentouri seminar, Algerienne Juin 2008 (publication & presentation)
- **“ Islamic Urban Design as a Theories for the Modern Eco-villages”** , international forum: Islamic Architecture and Design Ideals, Innovation and Sustainability, University of Sharjah, April 2008
- **“ Prefabricated Basic Shelter Cell”** , Disaster Management and Safety of Buildings in Arab countries, Ministry of Municipal and Rural Affairs, Kingdom of Saudi Arabia, March 2008 (publication & presentation)
- **“ The influence of high-rise buildings on the environment”** , 8th International Conference on Multi-purpose High-rise Towers and Tall Buildings, IFHS-Inter. Fededation for high-rise structure, Abu- Dhabi, December 2007
- **“Urban Design Elements in Hot Dry Climate and Islamic Regulations to Modify Urban Environment”** Housing Symposium3,Neighbourhoods Are more than Houses, High Commission for The Development of Riyadh, May 2007. (publication & presentation)
- **“Adapted Urban Fabric Geometry in Hot Dry Environment”**, Sharjah 9th Urban Planning Symposium, Territorial Outlook and Sustainable Development, Government of Sharjah, April 2006. (publication & presentation)
- **“Hara Geometry and Urban Climate in Traditional and Modern Urban Fabric”**,Appropriating Architecture, Taming Urbanism in The Decades of Transformation, Cairo University, Feb.2006. (publication & presentation)
- **“ Pedestrian Alley As a design Unit for Urban and Rural Communities ”** , Rural and Urban Interdependencies, General Organisation for Physical Planning Conference, Dec. 2005 (publication & presentation)
- **“ Urban Characteristics Impact on Micro Climate in Hot Dray Desert ”** , and **“ Roofed Streets as a Tool for Climatic Adaptation in Hot Dray Desert “** , Urban Development in Arid Regions & Associated Problems, Ministry of Public Work & Housing Conference, K. S. A. Nov. 2002 (publication & presentation).(nominated for awards)
- **“An Analytical and Experimental Comparative Study Using Computer Simulation for Historic Architected Elements “** , Energy Efficient Buildings Sustainable Urban Development, AL-AIN UAE Conference, Nov 99.
- **“Islamic Architecture Elements as a Design Tools for the Future”** Inter Built Conference Cairo, June1999.

- **Article:** “That is the Education Quality Assurance of local Universities in Egypt”, Shamal alsaeed newspaper, 9<sup>th</sup> march 2011
- **Article:** “Sick Building Threat Health of Human”, ALAHRAM newspaper, 1<sup>st</sup> Nov.1999

## **PUBLIC LECTURES**

- “**Local Architecture and Urban Fabric in Islamic Cairo**”, **lecture** for German Darmstadt University's post graduate students, Cairo, December 2008
- “**Wind Catchers in past and present**”, **lecture** for post graduate students and architects, Egyptian Earth Association, October 2008.
- “**Vernacular Architecture in Nubba and Oasis**”, 5<sup>th</sup> Arab Union for Youth and Environment Conference, April 2006
- “**Landscape Architecture in Egyptian Desert Communities to Overcome Desertification**”, 2<sup>nd</sup> Arab Union for Youth and Environment Conference, Arab League, Oct. 2001.
- **Referee** for scientific researches of King Soud University conference: Technology and Sustainability in the Built Environment, Jan. 2010, And Ministry of Municipal and Rural Affairs conference: Disaster Management, Kingdom of Saudi Arabia, March 2008
- **Session moderator** of women researchers at King Soud University conference, Jan. 2010 (above).

## **Architecture Engineering Courses**

### **Post graduate courses: Fayoum University, Architecture dep.: 2010-2011**

- Environmental Design and Planning, level 500, 4 hour weekly
- Environmental Design and Planning, level 600, 3 hour weekly & 3h exam
- Architecture Design, level 500, 4 hour weekly

### **Minia University, Faculty of Fine Arts, Architecture dep.: Sept. 2005- up till now**

- B.SC. project(5<sup>th</sup> grade) : research, analysis & final project – 10 hours weekly.
- Environmental Studies (5<sup>th</sup> grade): natural resources and hazards, renewable energy, pollution,
- Urban Design (5<sup>th</sup> grade): landscape Arch., neighbourhood and housing units design – 6 h w
- Architecture Design (4<sup>rd</sup> grade) : complex units & sketch design – 10 h. w.
- Environmental control systems (4<sup>rd</sup> grade) buildings and site manipulations– 4 h.w
- Theories of Archit. (4<sup>rd</sup> grade): design process, principle and trends of Post-Modern Arch. 2 hw

### **Aviation Engineering Academy in Embaba : 2007- 2011**

- Environment and pollution- 5<sup>th</sup> grade, 5 h w
- Human science- 3<sup>rd</sup> grade, 3 h w

### **Higher Institute for Architecture and civil Engineering- 15<sup>th</sup> May city : 2007- 2009**

- B.SC. project

### **High Institute for Architecture-6<sup>th</sup> October city: January 2004- June 2006**

- B.SC. project: data gathering, analysis of different environment and programs of complex buildings, and final project – 10 h. w.

- Architecture Design for 1st grade: fundamentals and architecture design elements.
- Architecture Design for 3<sup>rd</sup>, 2<sup>nd</sup> & 1<sup>st</sup> grade 10 h. w.
- Natural Ventilation: aerodynamic in and around buildings.
- Renewable Energy: resources and application systems.
- Pollution of Ecology: source, effects and manipulation systems.
- Desert Cities: history, natural environment and principles of planning.
- Heritage communities: criticism of sustainable local communities.
- Human Science: social and human aspects in architecture process.

### **Higher Technological Institute-6<sup>th</sup> October city: 2007**

- Urban Design: components, geometry, visual form at the city scale and project.

### **Higher Technological Institute: Sep.1999 – May 2000**

- Architecture Design for 1st grade: fundamentals and architecture design elements
- Architecture Design for 2nd grade: simple units and structure science– 6 hours weekly.
- Environmental Control: architecture control of sun rays and air movements in and between buildings – 2 hours weekly.
- Desert Environment: characteristics of desert environment, eco-system, resources and Bedouins – 2 h. w.
- Visual Training A : points and line techniques, proportion, background, architecture elements and nature- eyes and hands training
- Visual Training B: studies of colours, chromatic and achromatic sensations, circles, intensity, harmony – 3 hours weekly.
- Diploma Project: modelling an architecture design – 6 hours weekly.

## **PROFESSIONAL EXPERIENCE**

### **Free Lancer**

- |             |  |
|-------------|--|
| 2007- 2011  | <p>Environmental Architectural designer and Urban planner</p> <ul style="list-style-type: none"> <li>- Urban planning of” Mahameed” desert village, Qena Government (7000 fedan), Housing and Construction Ministry</li> <li>-Detailed planning of the most needed villages: 10 villages in Sohag, 5v in Qena&amp; 5v in Minia</li> <li>-Strategic planning of 6 villages in Sohag Government, Housing and Construction Ministry.</li> <li>-Environmental architectural design and report of “Qatar Office Building”in Doha(1367m<sup>2</sup>-6 stories), for Space Consulting Office</li> <li>- Environmental urban Design of recreation district “ Cairo” in Dubai, for Space Consulting Office</li> <li>- Environmental architectural design of “Shekh Sina Training Centre” in Sant Katreen, for EECA- Egyptian Earth Construction Association- non government organization</li> <li>- Environmental Urban planning studies of Shekh Shazly village in east desert, for EECA &amp; US Aid</li> </ul> |
| 1993 – 1999 | <p><b>Architect</b></p> <ul style="list-style-type: none"> <li>- “Helbawy Centre”, 10<sup>th</sup> of Ramadan city.</li> <li>-“Helal Centre”, 10<sup>th</sup> of Ramadan city - environmental treatment.</li> <li>-“3 Star Hotel”, in Almaza, Cairo.</li> <li>-“Social Development Centre”, Upper Egypt.</li> <li>- “Amin Helal” Square, 10<sup>th</sup> of Ramadan city.</li> <li>- “ Marsa Allam” camping ground, Red Sea cost</li> <li>-Several Villas and apartments buildings.</li> </ul> <p><b>Interior Designer:</b></p> <ul style="list-style-type: none"> <li>- “Military Museum” renovations at Citadel, Cairo</li> <li>-“Military Museum” renovations, Port Said</li> <li>-“Morgan Pharmacies”, Gharbia</li> <li>-“Mouafy Super Market”, Cairo</li> <li>-“Misr Acrylic” Headquarters 10<sup>th</sup> of Ramadan city</li> </ul>   |

-Stock Brokerage Headquarters, Cairo

1990 – 1992

**Architectural & Interior Designer at several consulting Offices:**

**A.C.E. (Arab Consultants Engineers)**

“Persil Detergent Co.” Office Building, “Al-Safa Tower” renovations and technical report preparation

**SADCO International Co.** - “Ministry of Interior Affairs”, Doha/Qatar

- “Ministry of Interior Affairs”, Doha/Qatar
- "QGPC (Qatar Gas and Petroleum Co.) Conference Hall", Doha/Qatar
- "Sheikha Amna’s residence", Doha/Qatar
- "Hayder Abaad farm house", India.
- "Nobaria farm house", west desert /Egypt.

**ACADEMIC CENTRE FOR DESIGN AND CONSTRUCTION**

- Oriental Weavers” Headquarters in Giza.
- “Kato Aromatic” Exhibition Space in Moscow
- “Embassy of Cameroon Republic”
- “Embassy of Zaire”

1985-1991

**DONG SAN Construction Co.**

- New Extensions at Cairo Sheraton Hotel
- AUC (American University Cairo) Rare Books Library

1980 -1985

**Cairo Co. for Public Buildings & Prefabricated Housing**

Architect, and cost estimator for several projects (330 housing units. in Sadat and 15<sup>th</sup> May City)

**Competitions (1994-1996)**

- Shelters of Homeless in Bosnia - Engineers Syndicate (first prize)
- Logo of Arab Architects Organisation - Engineers Syndicate
- Attorneys Social Club on Nile River - Attorneys Syndicate
- Arab Vernacular Architecture “Health and Social Centre” for Upper Egypt villages - Building Research Centre
- Four Stars Resort in Sinai with 300 rooms Hotel, main building and services - private tourism company
- Single family and multi stories housing units in new cities - Reconstructions Ministry.
- International Small House - Colorado State University (achieving certificate)
  
- Oriental Wavers Neighbourhood in 10<sup>th</sup> of Ramadan City, 2006.