

---

## **Hatem G. A. Ibrahim: B.Sc., M.Sc., Ph.D.**

Associate Professor, Department of Architectural and Building Science, Faculty of Architecture and Planning, King Saud University.

P O Box 57448 Arriyadh 11574, Cellular: +00966 55 75 12194

---

### **CURRICULUM VITA**

#### 1. Personal Details:

<b>Name:</b> Hatem Galal Abd-Elazim Ibrahim	<b>Birth Date:</b> 23rd August, 1964
<b>Nationality:</b> Egyptian	
<b>Contact Address:</b> Department of Architectural and Building Science, Faculty of Architecture and Planning, King Saud University, P O Box 57448 Arriyadh 11574, Kingdom of Saudi Arabia.	
<b>Tel.:</b> +966 01 467 9945 Office +966 55 75 121 94 Cellular	<b>E-mail:</b> hatem_ibrahim@hotmail.com

#### 2. Education:

<b>*****Period:</b> From: : July, 1996 To : July, 2001	<b>Institution:</b> School of Architecture and Building Engineering, University of Liverpool, United Kingdom.
<b>Title of the Certificate:</b> <u>Doctorate of Architecture Engineering.</u>	
<b>Title of the Dissertation:</b> The Development of An Environmental Noise Decision Support System.	
<b>*****Period</b> From: July, 1989 To : August, 1992	<b>Institution:</b> Department of Architecture, University of Assiut, Assiut-Egypt.
<b>Title of the Certificate:</b> <u>Master of Architecture Engineering.</u>	<b>Specialisation:</b> Architecture Engineering.
<b>Title of the Thesis:</b> An Analytical Study of The Effect of Noise on Designing and Planning The Residential Sites In The Egyptian City.	
<b>*****Period</b> From: September, 1982 To : May, 1987	<b>Institution:</b> Department of Architecture, University of Assiut, Assiut-Egypt.
<b>Title of the Certificate:</b> <u>Bachelor of Architecture Engineering.</u>	

#### 3. Primary Areas of Expertise in Teaching:

Basic Design, Visual Communication, Design studio, Building construction, Building Material, Working Drawings, Architectural Design, Acoustics in Architecture, Lighting.

#### 4. Teaching Experience:

<b>Institution (1):</b> Department of Architecture and Building Science, Faculty of Architecture and Planning, King Saud University, Arriyadh- Kingdom of Saudi Arabia	
<b>Rank:</b> Assistant professor.	<b>Period:</b> August, 2005 till now.
<b>Principal Courses Taught:</b> Basic Design 1, Basic Design 2, Visual Communication 1, Building Engineering, Acoustics in Architecture, Lighting.	
<b>Administrative &amp; Academic Duties Undertaken:</b> Choosing the suitable projects or materials for the course that I responsible including preparing and giving lecturers during the course using the different teaching methods (data show, overhead projectors.....), preparing the quizzes, the mid-term and the final exams - doing a jury for the design studio projects – organizing trips for students as a goal of scientific and social matter, member of the monthly department session.	
<b>Institution (2):</b> Department of Architecture, Faculty of Engineering, Helwan University, Cairo-Egypt.	
<b>Rank:</b> Assistant professor.	<b>Period:</b> July, 2001 till August, 2005.

**Principal Courses Taught:**  
Building Construction (year 2), Working Drawing(year 3 and final year), Buildings Installation (year 3), Basic Design(year 1), Architecture Design(year 2and 3), graduation Project(final year).

**Administrative & Academic Duties Undertaken:**  
A member at the examiners board of the faculty, choosing the suitable projects or materials for the course that I responsible including preparing and giving lecturers during the course using the different teaching methods (data show, overhead projectors.....), preparing the quizzes, the mid-term and the final exams - doing a jury for the design studio projects – organizing trips for students as a goal of scientific and social matter.

**Institution (3):** School of Architecture and Building Engineering, University of Liverpool, United Kingdom.

**Rank:** Lecturer (part time).

**Period:** Autumn semester, 1997-Winter semester, 1998, autumn semester, 1999.

**Principal Courses Taught:**  
Studio Design (year 2), Studio Design (year 3), Technology “environment” (year 2).

**Administrative & Academic Duties Undertaken:**  
As an assistant for the staff member as a goal of student’s acquiring knowledge.

**Institution (4):** Department of Architecture, Faculty of Engineering, Helwan University, Cairo-Egypt

**Rank:** Lecturer.

**Period:** August, 1992 : July, 1996.

**Principal Courses Taught:**  
Building Construction (year 2), Working Drawing (year 3 and final year), Basic Design (year 1), Architecture Design (year 2and 3), Graduation Project (final year), Town Planning (final year), Housing (year 3).

**Administrative & Academic Duties Undertaken:**  
Doing a positive assistant in teaching the previous courses including the required interaction for the students – sharing in the exams committees - Interacting with students during a scientific field visits.

**Institution (5):** Department of Architecture, Faculty of Engineering, Helwan University, Cairo-Egypt

**Rank:** Demonstrator.

**Period:** January, 1991 to July 1992.

**Principal Courses Taught:**  
Building Construction (year 2), Working Drawing(year 3 and final year), Basic Design (year 1).

**Institution (6): Department of Architecture, Faculty of Engineering, Assiut University-Assiut - Egypt.**

**Rank:** Demonstrator.

**Period:** October 1987 to January 1991.

**Principal Courses Taught:**  
Building Construction (year 2), Working Drawing (year 3 and final year), Basic Design (year 1), Architecture Design (year 2and 3), Graduation Project (final year).

**Institution (7): Dept. of Architecture, Higher Technological Institute, 10<sup>th</sup> of Ramadan City-Cairo-Egypt.**

**Rank:** Assistant professor (Visitor).

**Period:** Autumn semester 2002 – Winter semester 2003 - Autumn semester 2003 - Winter semester, 2004 –Summer semester, 2004, autumn semester (working through it now), 2004.

**Principal Courses Taught:**  
Architectural Design of Complex Unit (ARE 107) – Architectural Design (ARE115) – Building Technology - Diploma Project (ARE111)

**Institution (8): Dept. of Architecture, Integrated Thebes Academy for Science, Higher Engineering Institute-Cairo-Egypt.**

**Rank:** Assistant professor (Visitor).

**Period:** Autumn semester 2003 - Winter semester, 2004 – Autumn semester (working through it now), 2004.

**Principal Courses Taught:**

Architecture Design–Working Drawings-Physics of Building.

## 5. Professional Experience:

**Employer (1):** Expert Professional Excellence For Training & Consultations.

**Position:** The head of the technical programs

**Period:** August, 2001 till August 2005

**Project Types:**

Besides my position as a head of the technical programs, my responsibility includes preparing the architectural and planning programs in addition to my work as an expert for different programs areas.

**Other Activities:**

Working as an expert for the professional level (employees working in different organization located in Egypt, Kuwait, Bahrain, KSA, Qatar, Lebanon...). The latest programs has been done as an expert as follows:

\* Building Construction – Employees Working at Saudi Geological Survey, Jeddah – KSA.

\* Maintenance of Buildings - Employees Working at Ministry of Planning - Kuwait.

\* Maintenance and Advanced Techniques of Building Construction – Employees Working at Ministry of Information, Sultanate of Oman.

\* Quality Control of Building Materials and Structure – Employees Working at Museums and Antiquities Department - Doha – Qatar.

\* Evaluating and Pricing of Estates – Employees Working at Ministry of Municipalities Affairs and Agriculture, Bahrain.

\* Mechanism of modern Buildings – Employees Working at Arab Industrial Development & Mining Organization, Rabat– Morocco.

\* New Techniques in Building Construction – Employees Working at Ministry of Economy and Foreign Trade, Damascus – Syria.

\* Interior Design: Theories and Principles - Employees Working at Ministry of planning, Abu Dhabi – UAE.

\* Physics & Building Installations - Employees Working at Ministry of transport - KSA.

\* Modern Building Technology: Techniques, & Applications – for Employees Working at National Council Doha-Qatar.

\* Principles of Town Planning - Employees Working at Royal Commission for Jubil & Yanbu.

\* Historical Area and Urban Development - Employees Working at Ministry of Civil Services and Housing.

\* Mechanism of Conservation and Restoration of valued Buildings - Employees Working at Museums and Antiquities Department - Doha – Qatar.

\* Enhancing the skills of Decision-makers Working at Building Licenses Departments - for Employees Working at National Council Doha-Qatar.

\* Feasibility Studies of Buildings - Employees Working at PETROGET Petroleum Company-Egypt.

**Employer (2):** Ministry of State for Scientific Research, Academy of Scientific Research Technology (first party) and Dept. of Architecture, Helwan University (second party).

**Position:** Vice President of the project

**Period:** September, 2003 till August, 2005

**Project Types:****Development the urban planning for KHARGA&FARAFRA oasis in Egypt**

The proposed project emphasis the Urban and architectural characteristics for Farafra and Baharya Oases by means of processing fieldwork study for selected settlements. The study aims at identifying the effect of prevailing urban by distinguished environmental, social, and economic phenomenon, which interacts with the urban pattern of such areas and to construct the stored urban, architectural heritage and the contemporary pattern in both of Farafra and Baharya oasis's. The study is expected to satisfy a basic objective of specifying the planning, urban and architectural attribute as a product of social, cultural, environmental and other distinguished factors for the area and its stored heritage within thousands of years as an approach to determine the recommended urban and architectural aspects taking into consideration the merits of both vernacular architecture and new construction methods.

**Other Activities:**

Preparing the conceptual urban planning for the KHARGA&FARAFRA in participation with the center of Technological Development Research and Studies. My responsibilities includes:

- Represented the work in each stage of the project.
- Managing and monitoring the working teamwork.

**6. Publications:****1. Published Books:**

- 1) **Science and Fundamental of manufacturing (Vol. 1)** - Ministry of Education, General Administration of Books Division, 2003
- 2) **Science and Fundamental of manufacturing (Vol. 2)** - Ministry of Education, General Administration of Books Division, 2003
- 3) **Architectural Drawing** - Ministry of Education, General Administration of Books Division, 2004

**2. Papers Submitted at Scientific & Professional Journal:**

- 1) Ibrahim, H. 2006, **Environmental polices for Urban Regions at Desert Societies – Baseline Indicators for Future Ventures**, Scientific Journal of Azhar University, Faculty of Engineering, Azhar University, Vol. 9, No. 3, July, 2006, Cairo, Egypt.
- 2) Ibrahim, H. 2006, **Integrating the Value of Eco-Building process: An Introduction To Assessing Criteria In Egypt**, Journal of Engineering Science (JES), Vol. 34, No. 3, May, 2006, Faculty of Engineering, Assiut University, Assiut, Egypt.
- 3) Mohamed, S & Ibrahim, H. 2005, **Human Factors Affecting Tenants of Intelligent Buildings**, Jurnal of Engineering Researchs, Vol. 100, August, 2005, Faculty of Engineering, Helwan University, Cairo, Egypt.
- 4) Ibrahim, H. 2005, **Simulation-Based Design for Development and Implementation of Sustainable Building Based On Economy Issue**, Jurnal of Engineering Researchs, Vol. 98, April 2005, Faculty of Engineering, Helwan University, Cairo, Egypt.

**3. Papers Submitted at Scientific & Professional Meetings (congress, conference, symposia)**

- 1) Ibrahim, H. & Mohamed, S. 2005. **Urban Development Associated With Sustainable Community-Case Study of Siwa Oasis**, International Conference for Building Concepts, Materials and Technology, Intelligent Building Middle East 2005, Kingdom of Bahrain, 5-7 December, 2005.
- 2) Elrazaz, Z. & Ibrahim, H., 2005. **Opportunities for A New Approach Towards Intelligence In Buildings**, International Conference for Building Concepts, Materials and Technology, Intelligent Building Middle East 2005, Kingdom of Bahrain, 5-7 December, 2005.
- 3) Ibrahim, H. 2003. **Design Process Co Ordinations for Relevant Building Environment-Program to Fulfil User Need**, Fifth International Architectural Conference in Assiut (IACA-V) on Urbanization and Environment (Theory and Application), Department of Architecture, University of Assiut – Assiut – Egypt 20-22 April 2003.
- 4) Ibrahim, H. and Saif, S. 2003. **Environmental Assessment of the Urban Regions at Industrial Desert Societies (A Case Study: Abu Tartour Mining Area – Egypt)**, Fifth International Architectural Conference in Assiut (IACA-V) on Urbanization and Environment (Theory and Application), Department of Architecture, University of Assiut – Assiut – Egypt 20-22 April 2003.
- 5) Ibrahim, H and Sobhy, T. 2003. **A Knowledge-Based System Assisted Teaching Course For the Undergraduate Level (Landscape Course as an Application)**, Al-Azhar Engineering 7<sup>th</sup> International Conference (AEIC 2003), faculty of Engineering, University of Azhar, Cairo-Egypt, 7-10 April 2003.
- 6) Ibrahim, H. 2000. **The Nature of Underlying Search Space of An Environmental Noise Advisor Decision Support System**, 12th International Conference on System Research, Informatics & Cybernetics, Special Focus Symposium Collaborative Decision Support Systems, pp. 113-126, Baden-Baden, Germany, 31<sup>st</sup> July-4<sup>th</sup> August, 2000.
- 7) Ibrahim, H. 2000. **The Development of An Expert System for the Acoustic Design of Urban Sites**, Proceeding of the Institute of Acoustics, Acoustics 2000, Vol. 22 Pt. 1 pp. 181-188, University of Liverpool, Liverpool - England 17-18 April, 2000.
- 8) Ibrahim, H. and Oldham, D. 1998. **An Expert System for Acoustics and Noise Control**, InterNoise98, vol.22 No.2 pp.181-188, Christchurch, New Zealand, 15-18 November 1998.

**4. IMPORTANT SEMINARS AND PRESENTATIONS:**

- **Urban development for EL\_BAHARYA and ELFARAFRA Oases**, Academy of Scientific Research in Cairo – Egypt, September 2003.
- **Machine learning Strategies**, 12th International Conference on System Research, Informatics & Cybernetics, Special Focus Symposium Collaborative Decision Support Systems, Baden-Baden, Germany, 31<sup>st</sup> July-4<sup>th</sup> August 2000.
- **Artificial Intelligence Applied Architectural Design**, School of Architecture and Environmental Design, California Polytechnic University, San-Luis Obispo, California-USA, November, 1999.
- **Control Strategy of Environmental Noise Advisor Using AI technique**, CAD Research Center, California Polytechnic University, San-Luis Obispo, California-USA, November, 1999.
- Techniques for Knowledge base Acquisition, **School of Architecture and Building Engineering, University of Liverpool, 21<sup>st</sup> August 1997.**

**5. Work in Progress:**

- \* Ibrahim, H. **Evaluation of Teaching Methods of Basic Design Courses in Faculty of Architecture and Planning – King Saud University.** (Paper in preparation).
- \* Ibrahim, H. and Sadek, H. **Making Sense of Problem-Based Design Learning the perception and Experiences of Undergraduate Architecture Students.** (Paper in preparation).

**7. Professional Membership:**

<b>Organisations:</b>	<b>Since:</b>
1- Institute of Acoustics – England .....	1997
2- Egyptian Architects Association .....	1989
3- Egyptian Society of Engineers .....	1993
4- Member in Engineers Syndicate (Architectural Branch). .....	1987
5- Committee of development the industrial education – Architectural Branch. Since....	2003

**8. Other Activities:****SPECIFIC PROGRAMS PARTICIPATED IN FOR IMPROVING TEACHING AND PROFESSIONAL COMPETENC:**

- \* Certificate of Competence in Environmental Noise Measurement, Institute of Acoustics - England.
- \* Knowledge Based System, Postgraduate Level, University of Liverpool, Liverpool - England.
- \* Training program for academic teaching, Assiut University, Assiut-Egypt.
- \* Training program in academic teaching, Helwan University, Cairo-Egypt.
- \* Training program in Designing the curriculum., Cairo, Egypt.
- \* Training program in Credit hours System, Cairo, Egypt.
- \* Training program in Skills of effective presentation, Cairo, Egypt.

**HONORS:**

- July 1996: The Egyptian Education Bureau awarded a scholarship as a purpose of obtaining a doctorate degree in Architecture Engineering, University of Liverpool, England.
- September 1999: The Egyptian Education Bureau, awarded a study leave at Architecture and Environmental Design, California Polytechnic University, San-Luis Obispo, California-USA, November, 1999.

**PARTICIPATION IN SYMPOSIUMS AS A REFEREE:**

- Arriyadh Development Authority (ADA), Housing Symposium II- “Affordable Dwelling”-Arriyadh, 27-30 March 2004 (professional opinion of the symposium research papers).
- Arriyadh Development Authority (ADA), Housing Symposium III- “Neighborhood Are More Than Houses”- Arriyadh, 25-28 March 2007 (professional opinion of the symposium research papers).
- Journal of Faculty of Environmental Design, King Abd-elaziz University (manuscript Evaluation).

**THESES SUPERVISION:**

\* **Title: Planning and Designing of Industrial Areas in New Urban Communities – Between Planning and Implementation.**

*Degree Sought:* Master Degree.

*Researcher name:* Eng. Ahmed Ali Mohana.

\* **Title: A new Concept of Designing Theatre Room**

*Degree Sought:* Doctorate Degree.

*Researcher name:* Eng. Ebtihal Galal Mohamed

**9. Computing Skills:**

- Good skill in computer declarative language (AI Language)
- Good skills in operating computer and software.
- Excellent typing skills.
- Strong IT skills.
- Full working knowledge of DOS, Windows 3.x, Windows 95/98/2000/NT/XP, MS Word, MS Excel, MS PowerPoint, MS Internet Explorer, WordPerfect, Netscape Navigator, WinZip.
- Quick in learning new systems and methods.