

Ashraf Abdel Moneim El-Saeed Gaafar

Professor

EDUCATION

- Ph.D. Architectural Engineering, Shoubra Faculty of Engineering, Zagazig University (1996) Computer Applications in architecture "Analytical approach to affect the practical-optimal building layouts"
- M.Sc. Architectural Engineering, Shoubra Faculty of Engineering, Zagazig University (1990) Computer Applications in architecture "Evaluation of architectural projects"
- B.Sc. Architectural Engineering, Shoubra Faculty of Engineering, Zagazig University (1984) Very Good with Honor Degree.

ACADEMIC EXPERIENCE (FULL-TIME)

- Full Professor at Nile Higher Institute for Engineering and Technology (2021 to present)
- Full Professor at Shoubra Faculty of Engineering Benha University (2021 to present)
- Associate Professor at Higher Technological Institute 10th of Ramadan (2020 to 2021)
- Associate Professor at Faculty of Engineering Delta University (2019 to 2020)
- Associate Professor at Faculty of Engineering FUE (2009 to 2019)
- Associate Professor at Delta Higher Institute for Engineering and Technology (2014 to 2015)
- Associate Professor at Department of Islamic Archeology - Faculty of Arts, Ain Shams University (2009 to 2010)
- Associate Professor at International Academy for Engineering & Media Science IAEMS (2007 to 2009)
- Associate Professor at Faculty of Engineering 6th October University (2007 to 2008)
- Associate Professor at Shoubra Faculty of Engineering Benha University (2006 to 2021)
- Lecturer at Shoubra Faculty of Engineering Benha University (1996 to 2006)
- Lecturer Assistant at Shoubra Faculty of Engineering Benha University (1990 to 1996)
- Teaching Assistant at Shoubra Faculty of Engineering Benha University (1984 to 1990)

NON-ACADEMIC EXPERIENCE (FULL TIME)

- CEO and founder of "Gaafar Group" Consulting (1984 to present)
- "Gaafar Group" Engineering Consulting and interior design Office. The office has been established in 1984. The Consulting office owner is Prof. Dr. \ Ashraf Abdel-Moneim Gaafar, Professor of Architecture at the Department of Architecture, Faculty of Engineering. since 1984 until now, The Office works in designing and supervision of several large projects in the fields of Residential buildings, Educational, administrative, Banking, sporting, tourist villages, and in the field of documentation and restoration of Islamic monuments.
- These different fields culminated in obtaining Dr. Ashraf Abdel-Moneim Gaafar founder of the Bureau on the title "Consulting Engineer in the Design of Public Buildings" from the Egyptian Engineers Syndicate since 1999. The Office has a number of university professors who specialize in architecture, and a number of, architects, civil engineers and technicians on a high degree of specialization and excellence. And collaborate with our office a number of consultants from university professors in the fields of engineering and construction, technical installations for buildings (Electro-Mechanical), sanitary engineering, air conditioning systems, fire alarm systems, firefighting, and security cameras.
- "**Gaafar Group**" office works as a consultant to many official authorities in Arab Republic of Egypt, The Office has designed many projects for this official authorities; including the National Bank of Egypt, Commercial International Bank CIB, Zagazig University, Benha University, Department of Defense and Military Production, the Supreme Council of Antiquities of the Ministry of Culture, INVENSYS Process Systems EGYPT Co., Suzan Mubarak Sciences Exploration Center, who served by Dr. Ashraf AbdelMoneim Gaafar as a scientific consultant for it for six years. The Office has also designed several Educational projects, Sports projects and Housing Projects for Private Sector Associations and Individuals.
- Architect at Sabbour Consulting (1991 to 1993)

Consultancy Experience:

- Obtained the title "DGNB International Consultant" from Deutsche Gesellschaft für Nachhaltiges Bauen DGNB "German Sustainable Building Council" in 2016.
- Obtained the title "Consulting Engineer in the Design of Public Buildings" from the Egyptian Engineers Syndicate since 1999.
- Worked as a scientific consultant for "Suzan Mubarak Science Exploration Center" and a supervisor to the Virtual Reality unit for six years. (1998-2003)
- Worked as a consultant for the Supreme Council of Antiquities of the Ministry of Culture
- Worked as a consultant for Benha university
- Worked as a consultant for Zagazig university
- Chosed by (ASCAAD) to be a Member of " International Review Committee " for the 3rd International Conference of The Arab Society for Computer Aided Architectural Design (ASCAAD) "**EMBODYING VIRTUAL ARCHITECTURE**" Bibliotheca Alexandria, Egypt 28-30 Nov. 2007

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

None

PROFESSIONAL ORGANIZATIONS

None

HONORS AND AWARDS

None

SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)

None

SELECT PUBLICATIONS/PRESENTATIONS (PAST 5 YEARS)

- **Thermal Protection Systems for Buildings in Egypt.**
Global Journal of Engineering Sciences (GJES), Iris Publishers, USA, Volume 8-Issue 3 -2021
ISSN: 2641-2039, DOI: 10.33552/GJES.2021.08.000689
- **Renewable Energy in Architecture** "Used Techniques to Achieve Green Net Zero Energy Buildings"
Global Journal of Engineering Sciences (GJES), Iris Publishers, USA, Volume 8-Issue 3 -2021
ISSN: 2641-2039, DOI: 10.33552/GJES.2021.08.000690
- **Investigating Physical and Environmental Priorities in Office Spaces**
Advances in Ecological and Environmental Research, Science Signpost Publishing, USA Vol. 6, Issue 10, pp. 53-65, 2021 ISSN 2517-9454
- **Metaverse in Architectural Heritage Documentation and Education** "Use of Fully Immersive Virtual Reality Techniques to Generate Scale 1: 1 Interactive Models of Pharaonic Tombs" Advances in Ecological and Environmental Research, Science Signpost Publishing, USA Vol. 6, Issue 10, pp. 66-86, 2021 ISSN 2517-9454.
- **Metaverse in Heritage Conservation Evaluation** "USING Fully Immersive Virtual Reality Techniques to Evaluate preservation quality" International Journal of Architecture, Arts and Applications (IJAAA), Science Publishing Group, USA
Vol. 7, No. 4 – 2021, pp. 97-106, ISSN 2472-1107 (Print), ISSN 2472-1131 (Online)
DOI: 10.11648/j.ijaaa.20210704.11

- **Using Metaverse to Rebuild Non-reachable or Ruined Heritage Buildings**
 International Journal of Architecture, Arts and Applications (IJAAA), Science Publishing Group, USA Vol. 7, No. 4 – 2021, pp. 119-130, ISSN 2472-1107 (Print), ISSN 2472-1131 (Online)
 DOI: 10.11648/j.ijaaa.20210704.13
- **Computer Aided Drafting Application (CAD) as – A Design Tool**
 International Journal of Architecture, Arts and Applications (IJAAA), Science Publishing Group, USA Vol. 7, No. 4 – 2021, pp. 107-118, ISSN 2472-1107 (Print), ISSN 2472-1131 (Online)
 DOI: 10.11648/j.ijaaa.20210704.12
- **DIGITAL GAP IN THE DESIGN PROCESS "Comparison between Design Thought and Performance in Foreign and Egyptian Projects"**
 ESRJ– Engineering and Scientific Research Journal - Faculty of Engineering at Shoubra Banha University - July 2019
- **PROPOSED STRATEGY TOWARDS RAPID CONSTRUCTION AND DEVELOPMENT FOR BANKS’ BRANCHES “CASE STUDY: Suggested proposals to develop construction department of National Bank of Egypt in a way that would accelerate the design process and construction of the bank branches”**
 ESRJ– Engineering and Scientific Research Journal - Faculty of Engineering at Shoubra Banha University - July 2019
- **ANALYTICAL STUDY TO EVALUATE SELECTED COMPUTER-AIDED ARCHITECTURAL DESIGN PROGRAMS**
 Journal of Al Azhar University Engineering Sector - Vol. 9, No. 31, April 2014, 842-854
- **DEVELOPING THE CAPABILITIES OF ARCHEOLOGY STUDENTS TO COMPREHEND ENGINEERING DRAWINGS PROJECTIONS AND PERSPECTIVE USING AVAILABLE GOOGLE SKETCH-UP LIBRARIES ON THE INTERNET**
 Case study: teaching Course of Engineering and Architectural drawing for the freshmen students, Department of Islamic Archeology, Faculty of Art, Ain Shams University, during academic years 2009 and 2010
 The New Trends in the Archaeological Studies - The 1ST International Conference of the Faculty of Archaeology – Fayoum University 7-9 April 2014
- **FIELDS OF USING VIRTUAL REALITY TECHNIQUES IN ARCHEOLOGY**
 Case Study: Evolution of Archaeological documentation quality in the Virtual Reality Unit of the Exploration Center for Science in Egypt”
 The New Trends in the Archaeological Studies - The 1ST International Conference of the Faculty of Archaeology – Fayoum University 7-9 April 2014
- **BUILDING INFORMATION MODELING**
 "The Role of BIM Model in the Productive Dimension in the Design Process" Vol. 9, No. 32, July 2014, 1143-1152 □ Journal of Al Azhar University Engineering Sector

- **AN ANALYTICAL STUDY TO EVALUATE THE PROJECTS OF COOPERATIVE HOUSING SOCIETIES IN GAZA STRIP** "Case study Housing Society (Al - Safa and Al - Marwa) for the employees of the Islamic University in Tel-Al-Hawa" Al Azhar Engineering Twelfth International Conference - December 25-27, 2012
- **MODERN METHODS IN THE ARCHITECTURAL DOCUMENTATION OF ARCHAEOLOGICAL SITES IN PALESTINE** "Case study - the experience of Iwan in the Architectural documentation of Archaeological sites in the Old Gaza City Using GIS" ESRJ– Engineering and Scientific Research Journal - Faculty of Engineering at Shoubra Banha University - January 2013
- **Use of “Photo-Modeling Techniques” in 3d Documentation of Islamic Architecture Heritage Sites in Occupied JERUSALEM (Al-QUDS City)** Engineering Research Journal, Faculty of Engineering-Shoubra, Cairo: June 2005, PP: 11-26
- **Observation of Monuments Deterioration & a Tool to Guide Preservation Quality Using Virtual Reality Techniques** Engineering Research Journal, Faculty of Engineering-Shoubra, Cairo: January 2005 - PP: 24- 40.
- **Use of Virtual Reality Techniques in Interactive 3D Documentation of Pharaonic Tombs** Engineering Research Journal, Faculty of Engineering-Shoubra, Cairo: October 2004- PP: 1-16
- **Enriching the Cultural and Urban Heritage Through Rural Tourism** The First Conference, Department of Architecture- Faculty of Engineering, Cairo University: Sustainable Architectural and Urban Development, Cairo: 26-28 February 2004
- **THE IMPACT OF USING AUTOMATIC EMBROIDERY CRAFT UPON ARCHITECTURAL SPACES IN EGYPTIAN CRAFT INDUSTRIES VILLAGES** Fourth Conference of Egyptian Rural Development, Shebin El-Kom: 15-17 Sep. 2003 Faculty of Engineering Minufiya University, Volume (2) PP: 996-1010
- **The Required Strategy for Human Resources Development** Third Conference of Cairo University, Universities in community service and environmental development at the beginning of the third millennium Cairo University, 5-7 May 2001 PP: 41
- **EVALUATION OF ARCHITECTURAL GRADUATION PROJECTS IN EGYPTIAN UNIVERSITIES USING INTERNET & INTERACTIVE VIDEO CONFERENCE NETWORKS TO AVOID VARIATIONS IN JURY RESULTS AND AS AN EDUCATIONAL TOOL IN ARCHITECTURAL CRITICISM** Al Azhar Engineering Sixth International Conference, Cairo: 1-4 September 2000 Volume (1) Architecture Engineering PP: 97-110
- **ANALYTICAL STUDY USING “GRAPH THEORY “TO DETERMINE THE OPTIMAL CIRCULATION PATHS BETWEEN A GROUP OF ENTERRELATED BUILDINGS** Mansoura Third International Engineering Conference, El- Mansoura: 11-13 April 2000 □ Volume (1) Civil Engineering and Architecture PP: 569-584

PROFESSIONAL DEVELOPMENT

- GIS Fundamentals – Training "ARC GIS I"
- GIS Applications – Training "ARC GIS II"
- GPS Theories and Applications – Training "Geomatics Package"
- Geodesy and Map Projection – Training "Geomatics Package"
- Remote Sensing Fundamentals – Training "ERDAS IMAGINE"
- Remote Sensing Applications – Training " ERDAS IMAGINE "
- Programming and Database Concepts – Training "DB Packages "
Held at " (ENDGEOS) Engineering Development Of Geomatics "
Shoubra Faculty of Engineering – Benha University Environmental Impact Assessment of Projects (EIA)
At the Institute of Graduate Studies and Research, Alexandria University
- DGNB International Consultants Training: in DGNB Headquarter at Stuttgart City, Germany.
This training is for international consultants on German sustainability standards in sustainable modern building designs.