

## **Elbadr Mohamed M. Osman**

BSc, MASc & PhD

17 Mohamed Osman Street, Louran, Alexandria, Egypt

E-Mail

elbadrosman@aast.edu

### **Research Interests**

Research interests are mainly within the realm of *Construction Engineering and Management* as listed hereinafter:

- Computational Simulation and Modeling.
- Optimization Techniques.
- Methods of Construction.
- Health and Safety.

### **Education**

#### **2017, Doctor of Philosophy**

School of Built Environment

University of Salford, Manchester, UK

Maxwell Building, The Crescent, Salford M54WT, United Kingdom

#### **2011, Master of Applied Science (GPA: 3.88 with Honors)**

Construction and Building Engineering

Arab Academy for Science and Technology and Maritime Transport

PO Box 1029, Abu-Qeer, Alexandria 21974, Egypt

#### **2005, Bachelor of Science (GPA: 3.93 with Honors)**

Construction and Building Engineering

Arab Academy for Science and Technology and Maritime Transport

PO Box 1029, Abu-Qeer, Alexandria 21974, Egypt

### **Awards and Merits**

- 1997 – 1998 Certificate of Appreciation from Abdel Naser for Excellent Students High School for Student's Council.
- 2000 – 2005 AASTMT President Award of Merit for Academic Achievement through the Bachelor degree.
- 2007 Received a Certificate for Good Performance in the Military Service.
- 2008 Received a Certificate for Successfully Passed the Educational Preparation Course for Teaching Assistant and Lecturers – AASTMT.
- 2010 Received a Certificate for Successfully Passed the International Computer Driving License (ICDL) – AASTMT.
- 2014 Awarded the Excellence Award for the Best Assistant Lecturer in College of Engineering and Technology – AASTMT.

## Employment History

**Assistant Lecturer (Academic Rank: Instructor) 01 March 2011 – Present, Full-time**  
**Department of Construction and Building Engineering**  
**College of Engineering and Technology**  
**Arab Academy for Science and Technology and Maritime Transport**  
**PO Box 1029, Abu-Qeer, Alexandria 21974, Egypt**

### *Job duties:*

- Conduct seminars, discussion groups and laboratory sessions to supplement lectures.
- Assist in preparation and administration of examinations.
- Grade examinations, term papers and laboratory reports.
- Assist in preparation of semesters' and exams' timetables.
- Assist in the committees to prepare papers for the quality accreditation of different organizations such as ISO, ABET, and NAQAA.

### *Courses Taught:*

- *CB221 Construction Engineering Drawings*
- *CB322 Building Construction*
- *CB523 Methods & Equipment for construction 1*
- *CB524 Methods & Equipment for construction 2*
- *CB525 Special Topics in Construction Engineering*

**Graduate Teaching Assistant (Academic Rank: Instructor) 01 February 2008 – 28 February 2011, Full-time**

**Department of Construction and Building Engineering**  
**College of Engineering and Technology**  
**Arab Academy for Science and Technology and Maritime Transport**  
**PO Box 1029, Abu-Qeer, Alexandria 21974, Egypt**

### *Job duties:*

- Conduct seminars, discussion groups and laboratory sessions to supplement lectures.
- Assist in preparation and administration of examinations.
- Grade examinations, term papers and laboratory reports.
- Assist in preparation of semesters' and exams' timetables.

### *Courses Taught:*

- *CB221 Construction Engineering Drawings*
- *CB271 Construction Surveying 1*
- *CB370 Surveying*
- *CB322 Building Construction*
- *CB523 Methods & Equipment for construction 1*
- *CB524 Methods & Equipment for construction 2*
- *CB525 Special Topics in Construction Engineering*

**Graduate Teaching Assistant 01 September 2007 – 30 January 2008, Part-time**  
**Department of Mechanical Engineering**  
**College of Engineering and Technology**  
**Arab Academy for Science and Technology and Maritime Transport**  
**PO Box 1029, Abu-Qeer, Alexandria 21974, Egypt**

***Courses Taught:***

- ***ME255 Computer Aided Drafting (CAD)***

**Site and Technical Office Engineer 01 April 2007 – 30 December 2007**

**Valley of the Kings Company**  
**Industrial Zone, Bourg Elarab, Alexandria, Egypt**  
**Industrial Zone, Doha, Qatar**

***Job duties:***

- Plan, organize, control and evaluate construction projects from start to finish according to schedule, specifications and budget.
- Ensure construction plans meet guidelines, specifications of building codes, and other regulations.
- Plan and prepare construction schedules and milestones and monitor progress against established schedules.
- Prepare progress reports and issue progress schedules to clients.
- Develop a training plan to ensure that the organizational resources have the skills required to meet business demands.

***Projects contribution:***

- San Stefano Royal Plaza, Alexandria, Egypt
- American University Campus, Cairo, Egypt
- El-Odead Office Tower, Doha, Qatar
- El-Mergab Office Tower, Doha, Qatar

**Publications**

- K.M.Shawki, M.A.Emam& El-Badr. Osman (2012). *A DESIGN and CONSTRUCTION OF MULTITIER SHORING TOWERS*. Journal of Engineering Sciences, Faculty of Engineering, Assiut University. Vol 40, No.2.
- Elbadr M. Elgendi, Vian Ahmed, Zeeshan Aziz & Khaled Shawki (2014). *A DYNAMIC AUTOMATED SYSTEM FOR SITE LAYOUT PLANNING IN EGYPT*. 14th International Conference on Construction Applications of Virtual Reality and Islamic Architecture. 52-58. Sharjah, UAE.
- Elbadr M. Elgendi&Vian Ahmed (2015). Poster: *A Continual Automated Dynamic Site Layout Planning System (CADSLPS)*. Dean's Research Showcase. MediaCity Manchester, UK.
- Elbadr M. Elgendi&Vian Ahmed (2015). *A Continual Automated Dynamic Site Layout Planning System (CADSLPS)*. 12th International Post-Graduate Research Conference.

MediaCity Manchester, UK.

### Personal Skills

- Competent management and leadership skills
- Great performance in stressful environments
- Excellent presentation skills
- Competent problem solving skills

### Languages

- Arabic, Mother tongue.
- English, Excellent(Local TOEFL Certificate with Score 510, Academic IELTS Certificate with Score 6.5)
- French, Basic.

### Personal Information

Age : 31  
Citizenship : Egyptian  
Military Service : Served as a soldier in construction department for one year in the Air Defense Force Institute