

Personal C.V

SHERIF KAMAL EI-DEEN ELSADEK ELWAN

Personal Information

Date of birth : 1 October 1968
Nationality : Egyptian
Marital status : Married
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Academic Qualifications

Ph.D., Structural Engineering

Faculty of Engineering, Ain Shams University, Cairo, Egypt.
January 2003.

Thesis Title: “Analysis of Cracks and Deformations in Historic Multiple Leaf Masonry walls”

M.Sc., Structural Engineering

Faculty of Engineering, Ain Shams University, Cairo, Egypt.
March 1997.

Thesis Title: “Seismic Response of Historic Masonry Minartes”

B.Sc., Civil Engineering-Structural Division.

Faculty of Engineering, Ain Shams University, Cairo, Egypt.
May 1991.

General Grade : Very Good

Graduation Project : R.C Project (Grade: Excellent).

Employment History

1- Teaching Experience:

1-Associate Professor

March2018- Present.

2- Assistant Professor

September 2004- March2017

Department of Civil Engineering -The High Institute Of Engineering - Shourouk Academy – Egypt.

Duties and Responsibilities:

1- Lecturer for the following Courses:

- Reinforced Concrete Design(1)- (2nd Year Civil- 1st & 2nd Semesters)
From 2004/2005 – Present.
- Reinforced Concrete & Steel Structures -(2nd Year Arch.- 1st Semester)
From 2004/2005 – to 2010/2011.
- Reinforced Concrete Design(3) -(4th Year Civil- Structural Dept. - 1st Semester)

From 2011/2012 – Present.

- Reinforced Concrete Design(2) -(3rd Year Civil- Public Work Dept. - 1st & 2nd Semesters)

From 2010/2011 – to 2012/2013.

- Structural Analysis by Computer -(3rd Year Civil - 1st Semester)
Academic Year 2005/2006.
- Earthquake Engineering -(4th Year Civil- Structural Dept. - 1st Semester)
Academic Year 2009/2010.

3- Reinforced Concrete Project Coordinator:

From 2004/2005 – Present.

4- Quality Assurance Unit Coordinator for Civil Dept.:

From academic years from 2008/2009 – to 2012/2013 and 2015/2016.

5- Deputy Director of the Quality Assurance Unit for the Institute:

From 2013/2014 to 2014/2015

6- General Supervisor for the institutional capacity Standards of Quality Assurance Unit

From 2015/2016 – Present.

7- General Supervisor of the Concrete and Material Properties Laboratories:

From 2010/2011 – Present.

**2- Sessional Professor September 2003- May 2004
The High Institute for Architectural Engineering - 6th of October City – Egypt.**

Courses:

- Structural Repair and Restoration of Historic Buildings

**3- Assistant Professor September 2003- May 2004
Faculty of Fine Arts – Architectural Department-Alexandria University – Egypt.**

Courses:

- Characteristics of Building Materials.

**2- Researcher March 2004 – Sptember 2004
Housing & Building Research Center-Ministry of Housing and Urban Communities-
Egypt.**

Duties and responsibilities include:

- Construction supervision activities for housing and urban communities projects.
- Research activities in the fields of
 - Building Codes and standards.
 - Innovation in structural engineering.

- Construction engineering.
- Participating in enhancing the performance of the building sector through organizing advanced training courses for the interested parties.
- Sharing in seminars and international conferences to guide the aimed sustainable development in the civil engineering field.

II - Practical Experience:

1- Structural Consultant (Owner Representative) March 2003 – March 2011 **The Supreme Council of Antiquities-Ministry of Culture-Egypt.**

- The Engineering department of the Egyptian Antiquities.
- The Engineering department of the Islamic and Coptic Monuments.
- The Engineering department of the Egyptian Museums.

Duties and responsibilities include:

- Evaluation and approval of restoration projects for the historic buildings and monumental structures.
- Reviewing and approval of analysis, design, and working drawings of the multi-purposes buildings and museums projects.
- Follow up with engineering departments and provide technical support.
- Construction supervision and site management activities.

3- Chief of Civil Eng. Dept. April 1997 – January 2003 **Howeedy Consultant – Egypt.**

Duties and responsibilities include:

- Structural analysis and design of different types reinforced concrete and steel structures.
- Preparation of project structural design standards.
- Coordination with architectural and utilities engineers.
- Preparation of tender preliminary drawings and documents.
- Preparation of working drawings.
- Follow up with engineering contractors and provide technical support.

4- Founder Member October 2006 – Present. **Engineering Consulting Bureau(E.C.B) – Registered Constulting Office No.738**

Duties and responsibilities include:

- Preparation of Tender Documents for Major Projects, Site Supervision, Project Management, Preparation of Workshop and As-Built Drawings.
- Structural Consultations and Related Technical Services.
- Rehabilitation of Reinforced Concrete and Masonry Structures.

5- Structural Engineer September 1991 – April 1997 **Arab Contractors Co.- Consulting Eng. Dept. - Egypt**

Duties and responsibilities include:

- Structural analysis and design of different types reinforced concrete and steel structures.
- Coordination with architectural and utilities engineers.
- Preparation of tender structural drawings and documents.
- Preparation of working drawings.
- Preparation of construction sequences and method statements.
- Follow up with engineering contractors and provide technical support.
- Design of scaffolding systems.
- Design of shoring systems
- Development of construction techniques.

6- Structural Consultant (Contractor Representative) June 2001 – April 2002
Hassan Allam Sons Contracting Company - Egypt

Duties and responsibilities include:

- Consultations and supervision for the Company's projects in the field of restoration of historic buildings including:
 - Preparation of working drawings for restoration projects of historic buildings.
 - Conceptual design for the shoring systems of different construction and repair phases to insure safety during restoration works.
 - Working drawings for shoring work
 - Construction sequences & method statement.

7- Structural Consultant June 2001 – April 2002
Glauser International Contracting Co. – Renovation of Dutch Embassy - Egypt

Duties and responsibilities include:

- Conceptual design for the shoring system of each construction phase.
- Detailed design and calculation sheets of the shoring systems.
- Construction sequences & method statement.
- Site supervision for the shoring work.

8- Structural Upgrading Consultant June 2015 – Present
Cairo American College (CAC) –Egypt

Duties and responsibilities include:

- Conceptual design for the structural upgrading.
- Detailed design and calculation sheets for the project.
- Preparing of tender documents.
- Construction supervision.

8- General Consultant January 2015 – Present
Swimming pool Complex – Zohour Club – New Cairo - Egypt

Duties and responsibilities include:

- Integrated design and construction drawings for the project.
- Preparing of tender documents.

- **Construction supervision.**

Scientific Publications

- **“Seismic Response of Al-Ghury Minaret”**
Seventh International Colloquium on Structural and Geotechnical Engineering (**7th ICSGE**), Ain Shams University, December 1996.
- **“Seismic Response of Historic Masonry Minarets”**
M.Sc. Thesis, Ain Shams University, Faculty of Engineering, Cairo, Egypt, January, 1997.
- **“Investigation of Masonry Assemblage Subjected To In-Plane Loading”**
Scientific Bulletin, December 30, 1999, Faculty of Engineering, Ain Shams Univ.
- **“Macroscopic Model of Masonry Assemblage Subjected To In - Plane Loading”**
Ninth International Colloquium on Structural and Geotechnical Engineering (**10-12 April, 2001**), Ain Shams University.
- **“Analysis of Cracks and Deformations in Historic Multiple Leaf Masonry Walls”**
Ph.D. Thesis, Ain Shams University, Faculty of Engineering, Cairo, Egypt, January, 2003.
- **“Formulation of a Macro Element for Multiwythe Masonry Modeling”**
Tenth International Colloquium on Structural and Geotechnical Engineering (**22-24 April, 2003**), Ain Shams University.
- **“Response of Historic Multiwythe Masonry Walls Subjected to In-plane Loading”**
Tenth International Colloquium on Structural and Geotechnical Engineering (**22-24 April, 2003**), Ain Shams University.
- **“Effect of Transverse Rectangular Openings on the Behavior of Reinforced Concrete Beams Having Various Percentages Area of Steel”**
Thirteenth International Conference on Structural and Geotechnical Engineering (**27-29 December, 2009**), Ain Shams University.
- **“Experimentally Examining the Torsion Behavior of T-Beams Strengthened with CFRP for the CECOM’ 2012 Conference”**
Al-Azhar Twelfth International Conference (**25-27 December, 2012**), Al-Azhar University, Code:C59.
- **“Experimental Behavior of Eccentrically Loaded R.C. Short Columns Strengthened Using CFRP Wrapping”**
Structural Engineering and Mechanics, An International Journal, Volume 39, Issue 2, 2011, pp.207-221, Publisher: Techno-Press, DOI: 10.12989/sem.2011.39.2.207

- **“Experimental behavior of eccentrically loaded R.C. slender columns strengthened using GFRP wrapping”**
Steel and Composite Structures, An international Journal, Volume 17, Issue 3, 2014, pp.271-285, Publisher: Techno-Press, DOI: 10.12989/scs.2014.17.3.271
- **“Torsion strengthening of RC beams using CFRP (parametric study)”**
KSCE, Journal of Civil Engineering (2016), First Online: 30 August 2016
DOI: 10.1007/s12205-016-0156-7
- **“Rehabilitation of Historic Railway Masonry Arch Bridge: A Case Study”**
Restoration of Buildings and Monuments 2015; 21(4-6): 107–117, DOI: 10.1515/rbm-2015-1002
- **“Evaluation of Restoration Project and Current Structural State of Mohamed Ali Mosque in Citadel, Cairo” Restoration of Building and Monuments, BIKHÄUSER, 2015; 21(4-6): 107-117, DOI: <http://doi.org/10.1515/rbm-2016-0007>.**
- **“Characterization of Nano-Silica Concrete for Nuclear Uses” International Journal of Current Engineering and Technology, Inpressco (IJCET), Feb. 2017, Vol. 7, No.1.**
- **“Experimental Behavior of RC Beams Strengthened by Externally Bonded CFRP with Lap Splice International” Journal of Engineering Research and Development (IJERD), Volume 13, Issue 3 (March 2017), PP.36-47.**
- **“Behavior of Lightweight Concrete Under Uniaxial Eccentric Compressive Stresses” International Journal of Engineering Research and Development (IJERD), Volume 13, Issue 9 (September 2017), PP.15-27.**
- **“Punching Shear Resistance of Flat Slabs By Shear Heads” International Journal of Engineering Research and Development (IJERD), Volume 13, Issue 11 (November 2017), PP.47-66.**
- **“The Behavior of RC Exterior Beam-Column Joint with Nearby Beam Unreinforced Web Opening under Cyclic Loading – Experimental Study” IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 14, Issue 4 (July-August 2017)**