

Curriculum Vitae (CV)

Full Name: Prof. Essam Sayed Farag Khalifa



Personal Information:

Academic Rank: Professor

Department: Civil Engineering

Specialization: Design of reinforced concrete structures

Position: Professor of civil engineering

Google Scholar: [https://scholar.google.com.eg/citations?view_op=list_works&hl=en&user=--](https://scholar.google.com.eg/citations?view_op=list_works&hl=en&user=--oADR9YAAAAJ)

[oADR9YAAAAJ](https://scholar.google.com.eg/citations?view_op=list_works&hl=en&user=--oADR9YAAAAJ)

Research Gate: <https://www.researchgate.net/scientific-contributions/Essam-S-Khalifa-2065932296>

ORCID Record: <https://orcid.org/orcid-search/search?searchQuery=essam%20khalifa>

Scopus ID: <https://www.scopus.com/dashboard.uri?origin=AuthorNamesList&zone=TopNavBar>

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Structure Engineering	BANHA UNIVERSITY (SHOBRA)	1991
M.Sc.	Structure Engineering	BANHA UNIVERSITY (SHOBRA)	1995
B.Sc.	Structure Engineering	BANHA UNIVERSITY (SHOBRA)	1999

Academic Experience:

Institution: Higher Technological Institute

Rank: Professor

Dates: From 2013

Institution: Higher Technological Institute

Rank: Associate Professor

Dates: 2008

Institution: Higher Technological Institute

Rank: Assistant Professor

Dates: 2000

Institution: Higher Technological Institute

Rank: Research Assistant (PhD student)

Dates: 1995

Institution: Banha University (Shobra)

Rank: Teaching Assistant

Dates: 1991

Research interests:

- - Composite Structures.
- - High Rise Buildings Analysis and design.
- - Deep Foundation and Shoring Systems.
- - Composite Materials.
- - Retrofitting of Heritage Buildings.

Publications (most important):

- F.B.A. Beshara, Y. H. Hammad and E.S. Khalifa, "Modelling Of Shear Behavior on of Reinforced Concrete Structures Under Cyclic Loading", Fifth International Collegium in Concrete in Developing Countries, (3-6) Jan, 1994, Cairo-Egypt.
- F.B.A. Beshara, E. S. Khalifa and Y. H. Hammad, "Uniaxial Compression Model for Unconfined and Confined Fiber Reinforced Concrete", Scientific Bulletin Vol. 33, No. 2, June 1998, Ain Shams University.
- F.B.A. Beshara, E. S. Khalifa and Y. H. Hammad, "Constitutive Tension Model for Steel Fiber Reinforced Concrete", Scientific Bulletin Vol. 33, No. 2, June 1998, Ain Shams University.
- F.B.A. Beshara, E. S. Khalifa and Y. H. Hammad, "Modelling of Steel Fiber Reinforced Concrete Behavior Under Cyclic Loading", Scientific Bulletin, 1999, Ain Shams University.
- F.B.A. Beshara, E. S. Khalifa and Y. H. Hammad, "Nonlinear Biaxial Law for Steel Fiber Reinforced Concrete", Scientific Bulletin, 1999 Ain Shams University.
- E. S. Khalifa, M. Abd el-hamed, "Underground Structure D-Wall Soil Interactive Finite Element Analytical Model for Huge TPS2", Structure Congress, ASCE, pp. 1853-1870, Chicago, Illinois, USA ASCE.
- E. S. Khalifa, "Micro-mechanical Strut and Tie Model for Analysis of Fibrous High-Strength Concrete Corbels", Scientific Bulletin, 2012, Elsevier, Ain Shams University Engineering Journal.

- E. S. Khalifa and Sherif H. Al-tersawy, “Experimental and Analytical Investigation for Enhancement of Flexural Beams Using Multilayer Wraps”, Composite Part B, Vol. 45, pp. 1432–1440, 2013, Elsevier.
- E.S. Khalifa, “Analytical Model for Steel Fiber Concrete Composite Short Coupling Beam”, Composite Part B, 2014, Elsevier.
- E. S. Khalifa and Sherif H. Al-tersawy, “Experimental and Analytical Behavior of Strengthened Reinforced Concrete Columns with Steel Angels and Strips’, International Journal of Advanced Structural Engineering, 2015, Springer.

Certifications or Professional Registrations:

Honors and Awards:

- Member of Egyptian Society of Engineers.
- Member of ASCE- Emerging Engineers and Computer System.
- Structure Consultant since 2008.

Teaching Experience:

Teaching assistance and teaching many structure courses since 1994

Courses taught

- Structural Analysis.
- Design of Reinforced Concrete Structures different courses.
- Selective topics of advanced design of Reinforced Concrete Structures.
- Graduation Project.