

# السيرة الذاتية أ.د/ عبدالحكيم عبد الخالق خليل

## CURRICULUM VITAE



### **I. PERSONAL INFORMATION**

Surname : Abdel-Khalik Khalil  
First name : Abdel-Hakim  
Middle name : Abdel-Khalik Khalil  
Date of *birth* : December 20, 1955  
Place of birth : Ismailia, Egypt  
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### **II. ACADEMIC HISTORY**

1. Ph. D. in Civil Engineering, RUSSIA, Rostof Academy for Structural Engineering, May, 1993. Thesis entitled "Behavior of Reinforced Concrete Slender Columns under Short Term Repeated Loadings".
2. M. S. in Civil Engineering, Mansoura University, Egypt, June 1984. Thesis entitled "Stress Analysis in Pile Foundations".
3. B. Sc. with honors in Civil Engineering, Mansoura University, Egypt, June 1978.

### **III- PROFESSIONAL SOCIETIES MEMBERSHIP**

1. Consultant engineer, Soil Mechanic and Foundations, 1995
2. Consultant engineer, Design of Reinforced Concrete Structures, 1997
3. Nominated accredited reviewer of construction projects according to the ministerial decree August. 2002
4. Member, Egyptian Society of Engineers, Civil Engineering Division.
5. Member, Egyptian Engineering Syndicate.

The detailed experience, arranged in chronological order, of each aspect is summarized hereafter:

#### **IV-1. PRACTICAL EXPERIENCE**

April 2007	<b>Director of Engineering Research and Consultancy Center, Faculty of Engineering, Tanta University</b>
June 1993- Present	Faculty member, Faculty of Engineering, Tanta University. General Director of CCS (Consultants for Constructions and Soil researches, Cairo, 10 of May Building, Nasr Road, Apartment 311, Ismaillia branch, :5 Reda Street, , Mail Box 22, Ismailia ,Tanta branch: Maka Tower, El-Nahhas St., Tanta, Egypt and). Also member in the Engineering Consultation Center, Faculty of Engineering, Tanta University. Participated in the design of many residential complexes, industrial facilities and university buildings including administration buildings and auditoriums. Involved in the repair and rehabilitation work of many damaged buildings in surrounding directorates.

#### **IV-2. ACADEMIC EXPERIENCE**

April 2007	<b>Head of Structural Engineering Department, Faculty of Engineering, Tanta University</b>
June 2005- Present	Professor of Concrete Structures, Civil Engineering Department, Faculty of Engineering, Tanta University, Tanta, Egypt. Involved in the teaching work of the following courses: Reinforced Concrete Design I, II, III, IV, Advanced I, II. Supervised many graduation projects in Structural Engineering. In addition offered some short courses devoted to reinforced concrete design. Engaged in the teaching work of post-graduate studies in Structural Engineering,

Mars.2000- June 2005	Faculty of Engineering, Tanta University, Tanta, Egypt. Supervised the research work of many MS theses and Ph.D. theses.. Associate Professor, structural Engineering Dept., Faculty of Engineering, Tanta University, Tanta, Egypt. Involved in the teaching work of the following courses: Reinforced Concrete Design I, II, III, IV, Advanced I, II. Supervised the research work of many MS theses and Ph.D. theses..
June 1993- Mars. 2000	Assistant Professor, structural Engineering Dept., Faculty of Engineering, Tanta University, Tanta, Egypt. Involved in the teaching work of the following courses: Reinforced Concrete Design I, II, III, IV, Advanced I, II. Supervised the research work of many MS theses and Ph.D. theses..

## ***V. FUNDED PROJECTS***

1. Member of management team, QAAP project grand of quality assurance and accreditation on "Establishment of Internal Q.A. System for Tanta Faculty of Engineering.", Egypt, 2008.
2. Investigator, Research project funded by Tanta University Research Grant on "Evaluation of Rehabilitation and Repair of R.C. Structures in Nile Delta with Emphasis on Advanced Composite Material Techniques.", Egypt, 2005.
3. Co-project Manager, HEEPF project grant number C-019-M0 for joint project between Minia University and Tanta University on "Modernization of Engineering Postgraduate Program and Establishment of New Specialized/Interdisciplinary Diplomas.", Egypt, 2004.
4. Member of implementation team, HEEPF project grant number B-096-J0 for joint project between Cairo University and Tanta University on "Courseware Development of Reinforced Concrete Structures.", Egypt, 2004.

## ***VI. HONORS, PRIZES AND AWARDS***

1. Prof. Dr. Mohamed El-Hashmy Award in the specialized field of "Reinforced Concrete Researches", through the Egyptian Academy of Scientific Research, 2005.
2. Tanta University Award for Encouragement, 2005.

## **VII. PUBLICATIONS**

2. Khalil, A. A and. Bahloul, M.,, (1983) "Analysis of Stresses in Pile Caps by Finite Element." Bulletin of the Faculty of Engineering, Mansoura University, Vol. 8, No. 1, June.
3. Khalil, A. A., and Maulan, D. R., (1995) "Behavior of Reinforced Concrete Slender Columns Under Short-Term Repeated Loading." First Engineering Conference, Mansoura, Vol. III, , pp 210-223.
4. Khalil, A. A., Fawzy, T. M., and El-Khoriby, S. R., (1995) "An Experimental Study on the behavior of Concrete Under Short Term Repeated Loading." First Engineering Conference, Mansoura, Vol. III, , pp 224-234.
5. El-Khoriby, S. R, Fawzy, T. M., and Khalil, A. A., "Effect of Soil Structure Interaction on Seismic Response of Coupled Shear Walls." AL Azhar Engineering Fourth International Conference, 1995, pp 233-243.
6. Fawzy, T. M., Khalil, A. A., and El-Khoriby, S. R., (1997) "Nonlinear Response of Reinforced Concrete Beams Subjected to Short-Term Dynamic Loading." Third Alexandria Conference on Structural and Geotechnical Engineering, Vol. 1, , pp 535-546.
7. Fawzy, T. M., Taher, S. F., and Khalil, A. A., (1998) "Limit State Design Procedure of R.C. Strengthened by Plate Bonding." Proc First Arab International Conference on Repair and Restoration of Structures. Sept. 16-19, pp 485-502.
8. Taher, S. F., and Khalil A. A., (1998) "Thermal Stability of High Strength Concrete." 1<sup>st</sup> Minia International Conference for Advanced Trends in Engineering, Minia, Egypt, 14-16 Mars, pp. 28-37.
9. Khalil, A. A., Fawzy, T. M., and Taher, S. F., (1998) "New Special Finite Elements for Modeling Reinforcement and Steel-Concrete Interface." Journal of Engineering and Applied Science, Cairo University, Oct. 1998, pp 677-692. Also Engineering Computation Journal, England, Vol. 16, No. 5, MCB University Press, U.K. 1999, pp 619-629.
10. Taher, S. F., Khalil A. A., and Fawzy, T. M., (1999) "Static and Dynamic Response of Infilled Frames-A Critique, Proc. 3<sup>rd</sup> Port-Said International Conference for Engineering Researches, Port-Said, Egypt, Nov., pp. 106-119.

11. Khalil A. A., (1999) "Experimental and Analytical Investigation of High Strength Concrete Columns Wrapped by CFRP Composites" Scientific Bulletin of Ain Shams University, Vol. 34, No. 4, December, pp. 65-87.
12. Khalil A. A., (2000) "Extending the Life Span of Structures." Article Review Report, Permanent Scientific Committee, The Supreme Council of Universities, Egypt, Mars, 103 pp.
13. Afefy, H. M., Taher, S. F., Khalil A. A., and Issa, M. E. (2001) "Nonlinear Response of Reinforced Concrete Infilled Frames under Lateral Dynamic Excitations." Journal of Engineering and Applied Science, A.R.E., Vol. 48, No. 6, pp 1139-1163.
14. Atta, A. E. N., Taher, S. F., Khalil A. A., and EL-Metwally, S. E., (2002) " Experimental and Analytical Investigation on Reinforced High Strength Concrete Beam-Column Joints." 2<sup>nd</sup> Minia International Conference for Advanced Trends in Engineering, Minia, Egypt, 4-7 April, pp. 1-15.
15. Afefy, H. M., Taher, S. F., Khalil A. A., and Issa, M. E. (2002) "Statistically Equivalent Nonlinear Finite Element Model for Infilled R.C. Framed Systems." Engineering Computation Journal, England, Vol. 19, No. 2, MCB University, pp 190-206.
16. Taher, S. F., Khalil A. A., and Fawzy, T. M., (2002) "Applicability of Confinement Models to CFRP Strengthened R.C. Columns." Proc. 3<sup>rd</sup> Middle East Symposium on Structural Composites for Infrastructure Applications, Aswan, Egypt, 17-20 Dec.
17. Khalil A. A., Fawzy, T. M., and Taher, S. F., (2002) "CFRP Strengthening of R.C. Deep Beams At Different Premature Damage Levels." Proc. 3<sup>rd</sup> Middle East Symposium on Structural Composites for Infrastructure Applications, Aswan, Egypt, 17-20 Dec.
18. Atta, A. E. N., Taher, S. F., Khalil A. A., and EL-Metwally, S. E., (2003) "Behavior of Reinforced High Strength Concrete Beam-Column Joint Part 1: Experimental Investigation." Structural Concrete, Thomas Telford Publications, U.K., Vol. 4, No. 4, pp 175-183.
19. Atta, A. E. N., Taher, S. F., Khalil A. A., and EL-Metwally, S. E., (2003) "Strut and Tie Model for R.C. Beam-Column Joints by Self-Designing Structures Concept." " Scientific Bulletin of Ain Shams University, Vol. 38, No. 2, June, pp. 45-61.

20. Etman, E. E., and Khalil A. A., (2003), "Effect of Corner Radius on the Behavior of Strengthened R.C. Columns with Different Heights" AICSGES, Fifth Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria, Egypt, DEC., pp RC 345-360.
21. Khalil A. A., (2004) "Strengthening of Reinforced Concrete Continuous Beams in Sagging and Hogging Moment Regions using CFRP." " Scientific Bulletin of Ain Shams University, Vol. 39, No. 1, March, pp. 75-98.
22. Afefy, H. M., Taher, S. F., Khalil A. A., and Issa, M. E. (2004) "Damage Evaluation and Frequency Attenuation of Infilled Reinforced Concrete Frames." Scientific Bulletin of Ain Shams University, Vol. 39, No. 2, June, pp. 13-29.
23. Atta, A. E. N., Taher, S. F., Khalil A. A., and EL-Metwally, S. E., (2004) "Behavior of Reinforced High Strength Concrete Beam-Column Joint Part 2: Numerical Simulationn." Structural Concrete, Thomas Telford Publications, U.K., Vol. 5, No. 3, pp 101-112.
24. Khalil A. A., "Flexural and Ductility Performance of Rc Slabs Strengthened with Near Surface Mounted Reinforcement" Scientific Bulletin of Ain Shams University, Vol. 39, No. 3, sept.30, 2004. pp 219-246.
25. Khalil A. A., Etman E., E., and Abu-Elnasr, A., e., "Behavior of High Strength Concrete Deep Beams with Openings" Scientific Bulletin of Ain Shams University, Vol. 39, No. 3, sept.30, 2004. pp 123-140.
26. Atta, A. E. N., Taher, S. F., Khalil A. A., Fawzy T. M., and Issa, M. E. (2005) "Sectional Failure Patterns Identification of R.C. Thin-Walled Box Elements" 3<sup>d</sup> Minia International Conference for Advanced Trends in Engineering, Minia, Egypt, 3-5 April, pp. 15-33.

## ***IIX. TEXT BOOKS***

1. **Khalil A. A.**, and Etman E. E., 2007, "Reinforced Concrete Design A Fundamental Approach.", Third Edition, Tanta University, Press 322 pp.
2. Kassem, M. A., Fawzy, T. M., **Khalil, A. A.**, Taher, S. F., 1998" Reinforced Concrete Design Manual." Tanta University, Press 290 PP.
3. **Khalil A. A.**, 1998, "Lectures Notes and Solved Examples on Reinforced Concrete Design.", Tanta University, Press 213 pp.