

# **Prof. Dr. AHMED MAHMOUD YOUSEF MOHAMED SALEM**

## **Professor**

### **EDUCATION**

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Ph. D., Structural Engineering, Sofia University for Architecture, 1996

M. Sc., Structural Engineering, Mansoura University, Egypt, 1988.

B. Sc., Civil Engineering, Mansoura University, Egypt, 1984

### **ACADEMIC EXPERIENCE (FULL-TIME)**

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Professor of Concrete Structures, Structural Engineering Department, Faculty of Engineering, Mansoura University, from December 2006 until present.

Associate Professor, Structural Engineering Department, Faculty of Engineering, Mansoura University, from December 2001.

Lecturer ( Assistant Professor ), Structural Engineering Department, Faculty of Engineering, Mansoura University, from December 1996.

Assistant Lecturer, Structural Engineering Department, Faculty of Engineering, Mansoura University, from October 1988.

Demonstrator, Structural Engineering Department, Faculty of Engineering, Mansoura University, from November 1984.

### **NON-ACADEMIC EXPERIENCE (FULL TIME)**

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Member of the Egyptian Engineers Syndicate (Civil Engineer No. 464/11) in 1984.

A Consultant Engineer in Design of Concrete Structures from the Egyptian Engineers Syndicate (No. 3477/1) in 25/11/1999.

Member of the Egyptian Society for Earthquake Engineering.

### **PROFESSIONAL ORGANIZATIONS**

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Member of the Scientific Society of the faculty of Engineering, Mansoura University.

Member of the American Concrete Institute (ACI Member No. 057720).

### **HONORS AND AWARDS**

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The Prize and Honor Certificate of El-Mansoura University in the Nine Feast of Science in Mansoura University (Awarded in 4 / 5 / 2016).

The Prize of Prof. Dr. Mohamed El-Hashemy in the Field of Construction Technology Researches and Concrete Structures from the Egyptian Academy of Scientific Research and Technology (2003).

The Prize and Honor Certificate of the Faculty of Engineering, Mansoura University in the Graduation day in November 2004.

The Prize and Honor Certificate of Egyptian Engineering Syndicate in the Day of Egyptian Engineer (Awarded in October 2004).

The Consultant Engineer Certificate, from the Egyptian Engineering Syndicate (Certificate No. 3477 /1) (Awarded in 25/ 11 / 1990).

The Honor Certificate from the University Development Center (UDC), Mansoura University, for his participation and supervision of the Training Courses and Workshops of the Engineering staff of Dakahlia Governorate.

### **SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)**

1/2020-Present : Head of the Engineering Committee for Evaluating Buildings in Mansoura, Talk, and Nabroh in Dakahlia Governorate.

8/2013-Present : Head of the Structural Engineering Department, Faculty of Engineering, Mansoura University, EGYPT.

11/2013-Present : Member of the Structural Analysis Committee of the Egyptian Code

for Design and Analysis of Reinforced Concrete Structures, Ministry of Housing Utilities and Urban Communities, EGYPT.

4/2009-4/2014 : Engineering Consultant for Dakahlia Governorate.

12/2006-Present : Professor of Concrete Structures in the Structural Engineering Department, Faculty of Engineering, Mansoura University, EGYPT.

12/2006-Present : A referee for scientific researches submitted to the scientific engineering journals (such as the Engineering journal of the Faculty of Engineering, Mansoura University, and Zagazig University.

12/2006-Present : A referee for scientific researches submitted to the scientific engineering Committee for evaluating of Professors and Associate Professors in the Structural Engineering.

12/2001-12/2006: Associate Professor in the Structural Engineering Department, Faculty of Engineering, Mansoura University, EGYPT.

11/96-12/2001 : Lecturer (Assistant Professor) in the Structural Engineering Department, Faculty of Engineering, Mansoura University.

11/2003-1/2006: Head of Structural Engineering Laboratories Unit, Faculty of Engineering, Mansoura University, Egypt.

11/99- Present : Chairman & Partner of Consulting Office for Design, Supervision of

Structures in El-Mansoura, Egypt. Through this Office he designed and constructed many projects ( A detailed list can be provided ).

1/97-Present : Member of the “Engineering Studies, Consulting and Research Center” and also Member of the “Technical, Experimental and Scientific Center”, Faculty of Engineering, Mansoura University. Through these Centers he designed and constructed many projects and supervised many Tests (A detailed list can be provided).

1/97-Present : Supervisor of the Laboratory of Testing of the Reinforced Concrete Structures. Faculty of Engineering, Mansoura University.

- 1/97-Present : Member of the different activities in the Department of Structural Engineering and in the different activities in the Faculty of Engineering, Mansoura University
- 11/84-11/96 : Demonstrator and Assistant Lecturer in the Structural Engineering Department, Faculty of Engineering, Mansoura University.
- 01/85-03/86 : Military service in the Egyptian Army.

### **SELECT PUBLICATIONS/PRESENTATIONS (PAST 5 YEARS)**

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- Eltayeb, E. H., El-Metwally, S. E., Yousef, A. M., and Asker, H. H., “Behavior of Long Span R/C Beams under Temperature Variation”, Engineering Research Bulletin, University of Helwan, Faculty of Engineering & Technology, Mataria-Cairo, Vol. 142, June 2014, pp. C61-C83.
- Eltayeb, E. H., El-Metwally, S. E., Asker, H. H., and Yousef, A. M., “Behavior of Long Span R/C Beams under Temperature Variation”, Submitted for Publication in the HBRC Journal, July 2014.
- Salah E. El-Metwally, Hamed S. Asker, Ahmed M. Yousef, and Essam H. El-Tayeb, “Analysis of R/C Flat Slab System for Thermal Loads”, International Journal of Engineering and Innovative Technology (IJEIT), Volume 4, Issue 12, July 2015.
- Yousef, A. , El-Metwally, S. and Elshahawy, M. “Seismic Behavior of High-Strength Reinforced Concrete Building Frames and Dual Systems Considering Soil Structure Interaction”, International Journal of Scientific and Engineering Research (IJSER), Vol. 6, Issue 12, December 2015, pp. 993-1005.
- Yousef, A. M., El-Metwally, S. E., Asker, H. H. and El-Mandouh, M. A. “Punching Shear of HSC Versus LSC Exterior Slab-Column Connections with Openings under Cyclic Load Reversals”, Engineering Research Bulletin, University of Helwan, Faculty of Engineering & Technology, Mataria-Cairo, Vol. 150, June 2016.
- Yousef, A., Tahwia, A. and Maremy , N. “Shear Behavior Of Ultra–High Performance Fiber Reinforced Concrete Beams With Minimum Web Reinforcement”, International Journal of Scientific and Engineering Research (IJSER), Vol. 9, Issue 12, December 2017.
- Yousef, A. M., Tahwia, A. M. and Maremy, N. A. “Minimum Shear Reinforcement for Ultra–High Performance Fiber Reinforced Concrete Deep Beams”, Construction and Building Materials, Vol. 184, September 2018.
- Yousef, A. M., El-Metwally, S. E., Asker, H. H. and El-Mandouh, M. A. “Behavior of HSC Interior Slab-Column Connections with Openings Under Seismic Loadings”, Construction and Building Materials, Vol. 214, April 2019, pp. 619-630.
- Doaa, M. Awad, Yousef, A. M., Ghaleb, A. A and Adel, M. M., “ Seismic Behavior of Torsionally Asymmetric NSC AND HSC 3-D Multistory Buildings”, Journal of Al-Azhar University Engineering Sector, Vol.15, No. 54, January 2020, pp. 126-149.
- Lotfy, S., Naguib, M., Ghaleb, A. A. and Yousef, A. M., “ Influence of Slab Behavior on Diagrid Buildings”, Journal of Al-Azhar University Engineering Sector, Vol. 42, No. 1, January 2020, pp. 106-121.
- Lotfy, S., Naguib, M., Ghaleb, A. A. and Yousef, A. M., “ Reliable Drift of Diagrid Tall Buildings due to Seismic Load”, Applications of Modeling and Simulation, Vol. 4, 2020, pp. 110-124.

- Lotfy, S., Naguib, M., Ghaleb, A. A. and Yousef, A. M., “ Simple Seismic Model for Diagrid Tall Buildings ”, Mansoura Engineering Journal (MEJ), Faculty of Engineering, El-Mansoura University, Vol. , No. , 2020, pp.
- Abd-Elhamid, A. G., El-Metwally, S. E. and Yousef, A. M., “ Orthotropic Homogenized Modeling of Masonry Wall Panels”, Journal of Structural Engineering & Applied Mechanics, October, 2020.
- Hedia, M. H., El-Metwally, S. E. and Yousef, A. M. “Reliable Design of Reinforced Concrete Ledge Beama”, Engineering Research Bulletin, University of Helwan, Faculty of Engineering & Technology, Mataria-Cairo, Vol. , 2020, pp. C61-C83.
- Yousef, A. M., El-Metwally, and Hedia, M. H. “Behavior of Reinforced High-Strength Concrete Ledge Beams”, under publications.
- Yousef, A. M., Ghaleb, A. A, Adel, M. M. and Awad, D. M., “ Reliable Seismic Provisions for NSC and HSC Torsionally Asymmetric 3-D Multistory Buildings”, under publication.

### **PROFESSIONAL DEVELOPMENT**

1. The Fourth Training Courses for Preparing University Teachers from 1/7/1989 to 30/7/1989 – Faculty of Education - Mansoura University.
2. International Association of Bridge and Structural Engineering (IABSE) Symposium on Extending the Life span of Structures, San Francisco, California, USA, August 1995
3. The Second Egyptian Conference on Earthquake Engineering, Egyptian Society for Earthquake Engineering (ESEE), Aswan, Egypt, November 1-3, 1997.
4. The 19th European Regional Earthquake Engineering Seminar, Egyptian Society for Earthquake Engineering (ESEE), Cairo, Dec. 1-4, 1997.
5. The First International Conference on Civil Engineering, Faculty of Engineering, Helwan University, Egypt, March 24-26, 1998.
6. The First Minia International Conference for Advanced Trends in Engineering, Faculty of Engineering, El-Minia University, Egypt, March 14-16, 1999.
7. The Third International Conference on Engineering Research, Faculty of Engineering, Suez Canal University, Port Said, Egypt, Nov. 9-11, 1999.
8. The Second International Conference on Civil Engineering, Faculty of Engineering, Helwan University, Egypt, April 1-3, 2000.
9. The Third International Engineering Conference, Faculty of Engineering, Mansoura University, Egypt, April 28-30, 2000.
10. The Ninth International Colliquium on Structural and Geotechnical Engineering, Faculty of Engineering, Ain Shams University, Egypt, April 2-4, 2001.
11. The Fourth International Conference in Civil and Architecture Engineering, Military Technical College, Cairo, Egypt, May 14-16, 2002.
12. The Second International Conference on Geotechnical and Geoenvironmental Engineering in Arid Lands, College of Engineering, King Saud University, 6-9 October, Riyadh 2002.
13. The Workshop on Durability of Concrete Structures, Egyptian Association of Engineers, Cairo, Egypt, March 8-9, 2003.
14. The Tenth International Colliquium on Structural and Geotechnical Engineering, Faculty of Engineering, Ain Shams University, Egypt, April 2-4, 2003.
15. The Second International Workshop on Structural Composites for Infrastructure Applications, Housing and Building Research Center, Cairo, 17-18 Dec., 2003.
16. The Fifth International Conference on the Structural and Geotechnical Engineering, Faculty of Eng., Alexandria University, Egypt, 20-22 Dec., 2003.

17. The International Conference on Structural & Geotechnical Eng. and Construction technology, Faculty of Eng., Mansoura University, 23-25 March., 2004.
18. The Fourth International Engineering Conference, Faculty of Engineering, Mansoura University, Sharm El-Sheikh, Egypt, 20-22 April, 2004.
19. The Workshop On New Developments for University Education Systems, Information and Communication Center, Mansoura University, 18 May, 2004.
20. The Workshop On the Project of Information and Communication Technology for Education, Faculty of Engineering, Mansoura University, 24 May, 2004.
21. The Training Courses and Workshops of the Faculty and Leadership Development Project, FLDP, Ministry of Higher Education, ( Five workshops), December 2004-January 2005.
22. The Workshop On the Project of Using of Centrifuges as Educational Tools and Base for Virtual Laboratories in Civil Engineering, Faculty of Engineering, Mansoura University, 17-19 October, 2005.
23. The Training Courses and Workshops On the Lawful Responsibility of Engineers, Faculty of Law, Mansoura University, 10-14 December, 2005.
24. The sixth International Congress, Global Construction: Ultimate Concrete Opportunities, University of Dundee, Scotland, UK, 5-7 July 2005.
25. The Fifth International Engineering Conference, Faculty of Engineering, Mansoura University, Sharm El-Sheikh, Egypt, 27-31 March, 2006.
26. The Sixth International Engineering Conference, Faculty of Engineering, Mansoura University, Sharm El-Sheikh, Egypt, 2008.
27. The Training Courses and Workshops of the Faculty and Leadership Development Program on, " Application of Academic Criteria for Teaching Program", University Development Center (UDC), Mansoura University, 16-18 January 2010.
28. The Training Courses and Workshops of the Faculty and Leadership Development Program on, " Development of Evaluation Systems of Students", University Development Center (UDC), Mansoura University, 19-21 January 2010.
29. The Training Courses and Workshops of the Faculty and Leadership Development Program on, " Criteria of Examination Paper ", University Development Center (UDC), Mansoura University, January 2010.
30. The Workshop On Electronic Courses and Training on the "Moodle" System, E-Learning Unit, Faculty of Engineering, Mansoura University, 7 April, 2013.
31. The Workshop On the Scientific Research Programs in Zewail City of Science and Technology, Faculty of Engineering, Mansoura University, 25 May, 2013.
32. The Faculty and Leadership Development Center at University Development Center – Mansoura University, " Training Course University Management and Managing Time and Meetings", UDC, Mansoura University, 27 February 2014.
33. The Faculty and Leadership Development Center at University Development Center – Mansoura University, " Training Course on Crisis Management ", UDC, Mansoura University, 6 March 2014.