CURRICLUM VITAE

Prof. Dr. Ahmed Abdelraheem Farghaly

Professor, Department of Civil and Architectural Constructions,
Faculty of Technology and Education, **Sohag University**, Sohag, 82524, **Egypt.**

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Academic status: Dean of the Faculty of Technology and Education.

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PERSONAL INFORMATION:

Date of Birth: September 28, 1973
Gender: Male
Marital Status: Married
Nationality: Egyptian
Military service: Done

ACADEMIC POSITIONS

At the Department of Civil and Architectural Constructions, Faculty of Technology and Education, **Sohag University**, Sohag, 82524, **Egypt**.

Professor: 2020-today.

Associate Professor: 2015-2020.

Assistant Professor: 2008-2015.

Ass. Lecturer 2007-2008.

Concentration / Specialization: Structural Engineering

EDUCATION:

University of Assiut, Faculty of Engineering, Assiut, Egypt
Ph.D. in Civil Engineering - Assiut University. 2008
Concentration: Structural Engineering
Title of thesis: "Evaluation of used Conventional Analytical Methods for the Design of some Selected Structures through a Comprehensive 3-Dimensional Analysis".

University of Assiut, Faculty of Engineering, Assiut, Egypt 2003
MSc in Civil Engineering.
Concentration: Surveying Engineering
Address of thesis: "Urban Land Use Change Detection in Assiut City Between 1984-1999".

1996
University of Assiut, Faculty of Engineering, Assiut, Egypt
B.Sc in Civil Engineering - Assiut University.

EXPERIENCE:

Assiut University Hospital, Assiut, Egypt 1999- Oct 2007

- Supervision in Maintenance Department.
- Structural consultant for construction work of the University Hospital - University of Sohag.
- Processing plant concrete and soil for engineering colleges and industrial education Sohag University.
- Concrete and soil tests for the New Sohag University in Elkwaml.

SELECTED LIST OF RESEARCH PUBLICATIONS:

[1] Abdelaal M. Abd Elwahed, Ahmed A. Mohamed, Mohamed A. Shabaan and **Ahmed A. Farghaly**, 2003, "A Comparison of Digital Change Detection Techniques in the Egyptian Cities (A Case Study-Assiut City)", 1st International Conference of Civil Engineering Science (ICCESI), Paper No. 174.

[2] F. K. Abdel Sayed, H. M. Sogaer, A. G. A. Abdelshafi, **A. A. Farghaly**, 2006, "Evaluation of Used Conventional Analytical Method for the Design of Folded Plates Through a Comprehensive 3-Diminsional Analysis", Journal of Engineering Sciences, Assiut University, Vol. 34, No. 6.

[3] F. K. Abdel Sayed, H. M. Sogaer, A. G. A. Abdelshafi, **A. A. Farghaly**, 2007, "Evaluation of Used Conventional Analytical Method for the Design of Cylindrical Shells with Vertical Plates through a Comprehensive 3-Diminsional Analysis", Journal of Engineering Sciences, Assiut University, Vol. 35, No. 3.

[4] H.H.A. Abd-El-Rahim, and **A.A. Farghaly**, 2010, "Influence of Structural Irregularity in Plan Floor Shape on Seismic Response of Buildings", Journal of Engineering Sciences, Assiut University, Vol. 38, No. 4, pp. 911-928.

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[7] **A.A. Farghaly**, 2011, "Impact on Underground Deep Foundation Excavation from Adjacent Channels during Earthquake", Journal of Engineering Sciences, Assiut University, Vol. 39, No. 3, pp. 497-511.

[8] **A.A. Farghaly**, M. Salem Ahmed, 2012, "Optimum Design of TMD System for Tall Buildings", ISRN Civil Engineering, pp. 1-13, DOI: 10.5402/2012/716469

[9] **A.A. Farghaly**, and A.M. Abdallah, 2012, "Comparative Study on Code-Based Linear Evaluation of an Existing RC School Building before and after 1992 Egypt Earthquake", Journal of Engineering Since, Assiut University, Vol. 40 (6), pp. 715-750.

[10] **A.A. Farghaly**, and H.H. Ahmed, 2013, "Contribution of Soil-Structure Interaction to Seismic Response of Buildings", KSCE Journal of Civil Engineering, Vol. 17 (5), pp. 959-971.

[11] **A.A. Farghaly**, 2013, "Parametric Study on Equivalent Damping Ratio of Different Composite Structural Building Systems", Steel and Composite Structures, Vol. 14 (4), pp. 349-365.

[12] **A.A. Farghaly**, H.H.A.A. Rahim, 2013, "Contribution of non-Structural Brick Walls Distributions on Structures Seismic Responses", Earthquakes and Structures, Vol. 5 (5), pp. 553-570.

[13] H.H.A.A. El-Rahim, **A.A. Farghaly**, 2013, "Contribution of Non-Structural Brick Walls Distributions on Structures Seismic Responses", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 41, No. 2, pp. 441- 482.

[14] M. N. Mohamed, F. K. Abdel Sayed, Shehata E. Abdel Reheem, **Ahmed Abdelraheem Farghaly**, and Ashraf A. Mohamed, 2013, "Evaluation of Current Egyptian Code on Seismic Behavior of Multistory Buildings", Journal of Engineering Science, Vol. 41, No. 5, pp.1743-1752.

[15] F. K. Abdel Sayed, **Ahmed Abdelraheem Farghaly,** Shehata E. Abdel Reheem, Ashraf A. Mohamed and M. N. Mohamed, 2013, "Effect of Slabs in Space Framed Structures under Seismic Loading", Journal of Engineering Science, Vol. 41, No. 6, pp. 2065-2078.

[16] **Ahmed Abdelraheem Farghaly**, 2014, "Optimization of Viscous Dampers with The Influence of Soil Structure Interaction on Response of Two Adjacent 3-D Buildings under Seismic Load", IOSR Journal of Engineering (IOSRJEN), Vol. 4 No. 1, pp. 18-27. DOI: 10.9790/3021-04161827

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[20] **A.A. Farghaly**, and AM Abdallah, 2014, "Evaluation of Seismic Retrofitting Techniques Used in Old Reinforced Concrete Buildings", IOSR Journal of Engineering (IOSRJEN), Vol. 4, Issue 6, pp. 14-22.

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[24] Kontoni D.-P.N. and **Farghaly A.A.** (2017), "Earthquake-Induced Double Pounding between Adjacent Unequal Buildings Considering Soil-Structure Interaction", In Proceedings of the "7th International Conference on Experiments/Process/System Modeling/Simulation/Optimization (7th IC-EpsMsO)", D.T. Tsahalis (Editor), Athens, 5-8 July, 2017, Vol. I, pp. 130-140. ISSN: 2241-9209, ISBN SET: 978-618-82173-2-4, ISBN Vol. I: 978-618-82173-3-1 & ISBN Vol. II: 978-618-82173-4-8.

[25] Kontoni D.-P.N. and **Farghaly A.A.** (2017), "Nonlinear Response of a Riverine Platform Subjected to Wind, Wave and Current Loads Considering Soil-Pile Interaction", In Proceedings of the "7th International Conference on Experiments/Process/System Modeling/Simulation/Optimization (7th IC-EpsMsO)", D.T. Tsahalis (Editor), Athens, 5-8 July, 2017, Vol. I, pp. 292-304. ISSN: 2241-9209, ISBN SET: 978-618-82173-2-4, ISBN Vol. I: 978-618-82173-3-1 & ISBN Vol. II: 978-618-82173-4-8.

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[30] **Farghaly A.A**. and Kontoni D.-P.N. (2018), "Investigation of Vibration Control in High-Rise Buildings Using Tuned Mass Dampers", In Proceedings of the "8th International Conference from Scientific Computing to Computational Engineering (8th IC-SCCE)", D.T. Tsahalis (Editor), Athens, 4-7 July, 2018, Vol. II, pp. 225-238. ISSN: 2241-8865, ISBN SET: 978-618-82173-5-5, ISBN Vol. I: 978-618-82173-6-2 & ISBN Vol. II: 978-618-82173-7-9.

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Vol. II, pp. 298-310. ISSN: 2241-8865, ISBN SET: 978-618-82173-5-5, ISBN Vol. I: 978-618-82173-6-2 & ISBN Vol. II: 978-618-82173-7-9.

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[39] Kontoni D.-P.N. and **Farghaly A.A.** (2019), "Effectiveness of Tuned Mass Dampers and Spring Dampers in the Seismic Response Control of a Cable-Stayed Bridge Including Soil-Structure Interaction", In Proceedings of the "8th International Conference on Experiments/Process/System Modeling/Simulation/Optimization (8th IC-EpsMsO)", D.T. Tsahalis (Editor), Athens, 3-6 July, 2019, Vol. I, pp. 137-149. ISSN: 2241-9209, ISBN SET: 978-618-84028-0-5, ISBN Vol. I: 978-618-82173-8-6 & ISBN Vol. II: 618-82173-9-3.

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[42] **Farghaly A.A.** and Kontoni D.-P.N. (2019), "Tuned Mass Dampers for Seismic Protection of L-Plan High-Rise Buildings Including Soil-Structure Interaction", In Proceedings of the "8th International Conference on Experiments/Process/System Modeling/Simulation/Optimization (8th IC-EpsMsO)", D.T. Tsahalis (Editor), Athens, 3-6 July, 2019, Vol. II, pp. 439-452. ISSN: 2241-9209, ISBN SET: 978-618-84028-0-5, ISBN Vol. I: 978-618-82173-8-6 & ISBN Vol. II: 618-82173-9-3.

[43] Kontoni D.-P.N. and **Farghaly A.A.** (2019), "Mitigation of the Seismic Response of a Cable-Stayed Bridge with Soil-Structure-Interaction Effect Using Tuned Mass Dampers", *Structural Engineering and Mechanics*, Vol. 69, No. 6, pp. 699-712. DOI: https://doi.org/10.12989/sem.2019.69.6.699

[44] Kontoni D.-P.N. and **Farghaly A.A.** (2019), "Seismic Evaluation of Mixed Steel and R.C. Columns in Hybrid High-Rise Buildings, *Archives of Civil Engineering*, Vol. 65(2), pp. 3–17. DOI: https://doi.org/10.2478/ace-2019-0015

[45] Kontoni D.-P.N. and **Farghaly A.A.** (2019), "The effect of base isolation and tuned mass dampers on the seismic response of RC high-rise buildings considering soil-structure interaction", Earthquakes and Structures, Vol. 17(4), pp. 425-434. DOI: https://doi.org/10.12989/eas.2019.17.4.425

[46] Kontoni D.-P.N. and **Farghaly A.A.** (2020), "Mitigation of Train-Induced Vibrations on Nearby High-Rise Buildings by Open or Geofoam-Filled Trenches", *Journal of Vibroengineering*, Vol. 22, No. 2, pp. 416–426. DOI: https://doi.org/10.21595/jve.2019.20523.

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Statement of teaching interests:

- Stress analysis
- Soil mechanics and foundations
- Building workshop
- Surveying measurements
- Construction equipment
- Steel structures
- Concrete and structural analysis
- Building technology.
- Concrete application
- Industrial Safety

Statement of teaching interests Postgraduate:

- Stress analysis.
- Soil mechanics and foundations.
- Steel structures.
- Concrete and structural analysis.
- Building technology.
- Concrete application.
- Structural engineering
- Structural dynamics
- Soil dynamics
- Soil structure interaction
- Earthquake analysis
- Mixed structure analysis
- High rise building analysis
- Dynamic analysis of R.C. Structures
- Dynamic analysis of steel structures
- Dynamic analysis of composite structures
- Vibration control
- Computer applications in civil engineering.

Practical experience

- Design and implementation of the ceiling of the National Hotel in Assiut (steel structure)
- Design and implementation of a number of 25 villas in New Assiut (RC structure)
- Design and implementation of the workshop trunks of the College of Industrial Education on a surface of 60x180 m (steel structure)

- Design and implementation of trusses for the Misr Petroleum Company in Assiut (steel structure)
- Quality control tests for concrete for university facilities at New Sohag University in New Sohag
- Soil tests for new Sohag university at new Sohag city.
- Supervising the implementation of the infrastructure of the new Sohag University
- Design and implementation of water and sanitation networks at Sohag University
- Design of the industrial wastewater treatment plant in Arab Al-Awamer, Assiut
- Designing the sewage treatment plant in Bani Ghalib, Assiut
- Designing a wastewater treatment plant in Arab Al-Hagarisa in Sohag
- Design and implementation of the trusses of Al Asdeqaa Mills in Arab Al Awamer in Assiut (steel structure)
- Design and implementation of the design of the industrial wastewater treatment plant at the Chipsy factory in Arab Al Awamer, Assiut
- Design and implementation of Al-Fateh Tower in Assiut (RC structure)
- Design and implementation of the Al-Bayt Tower in Assiut (RC structure)
- Restoration and consolidation of the main hospital building, Assiut University, Assiut
- Restoration and consolidation of El Sherbiny Tower in Assiut
- Restoration and consolidation of the main hospital building at Sohag University Hospital in Sohag
- Restoration and consolidation of the Al-Hakimat Residence building of Assiut University Hospital in Assiut
- Restoration and strengthening of the housing building for faculty members of Sohag University in Sohag
- Designing the building of the Faculty of Technology and Education at Sohag University
- Designing the sewage treatment plant in the Dakhla oases
- Modification of production lines at CEMEX cement factory (steel structure)
- Lake Abu Minqar project of the Engineering Consulting Center at the Faculty of Engineering, Assiut University.
- Member of the Engineering Consulting Center at Sohag University
- Director of the Center for Operation and Technical Installations, Faculty of Technology and Education, Sohag University.
- New Assiut city structural designer.
- New Sohag city structural designer.
- Consultant engineering in Assiut city.
- Consultant engineering in faculty of engineering consultant office Assiut University, faculty of engineering.

Consultant engineering in faculty of engineering consultant office Sohag University, faculty of engineering.