



1. Name and Academic rank:

Ahmed Mohamed Ellakany, Associate Professor, full time

2. Education: Degrees, discipline, institution and date:

- Ph.D., Engineering Mathematics, Alexandria University, 1993
- M.S., Engineering Mathematics, Alexandria University, 1987
- B.S., Civil Engineering, Alexandria University, 1980

3. Academic experience

- Beirut Arab University, Associate Professor, 2010- present, full time
- Beirut Arab University, Assistant Professor, 2008- 2010, full time
- Alexandria University, Assistant Professor, 2003- 2008, full time
- Beirut Arab University, Assistant Professor, 1999- 2003, full time
- University of Miami, International Scholarship, 1998.
- Alexandria University, Assistant Professor, 1993- 1997, full time
- Alexandria University, Teaching Assistant, 1980- 1993, full time

4. Non-academic experience

- Structural designer in many consulting offices (1980-1990)
- Designer and supervisor of several sanitary and water supply projects for buildings (2004 – 2008)

5. Certification or professional Registration

- Member of Association of graduate engineering, Alexandria University.
- The Order of Engineers.

6. Current membership in professional organizations

- N/A

7. Honors and Awards:

- Graduated with High distinction From Alexandria University, 1980.

8. Service activities

- 2011 - present: Director of Faculty of Engineering-Tripoli Branch
- 2013 - present: Member of the Faculty's Council.
- 2013 - 2016 : Head of the Faculty Branch's Council.
- 2010 - 2012 : Member of the Tripoli Branch Follow-up Committee.



9. Principal publications and presentations

9.1 Journal Publications

- Ahmed M. Ellakany, Khalil M. Elawadly, and Bahia N. Elhamaky, "A combined transfer matrix and analogue beam method for free vibration of composite beams", *Journal of Sound and Vibration*, Vol. 277, pp.765-781, 2004.
- Ahmed M. Ellakany, "Calculation of higher natural frequencies of simply supported elastic composite beams using Ricaati matrix method", *International Journal of the Italian Association of Theoretical and Applied Mechanics AMETA*, Vol. 43, No. 5 October, 2008.
- Ahmed M. Ellakany and Hussein A. Tablia, " A Numerical Model for Static and Free vibration of Elastic Composite Beams with End Shear Restraint", *Meccanica, An International Journal of the Italian Association of Theoretical and Applied Mechanics*, Volume 45, No. 4 pp. 463- 474, 2010.
- Ahmed M. Ellakany, Mohamad Ali, Mohamed A. El-Gohary and Mohamed Elkholy, "Lumped system model for elastic steel-concrete beams with partial interaction", *Multidiscipline Modeling in Materials and Structures*, Vol. 16, No. 1, pp. 121-133, 2020.
- Mohamad Ali, Ahmed M. Ellakany, Mohamad Eldandachy, "Dynamic response of steel-concrete beams with partial interaction due to moving loads", *Journal of Science and Construction*, Volume 4, number 4, 2023. E-ISSN: 2789-7605.

9.2 Conference Proceedings

- H. M. Metwally, Ahmed M. Ellakany, and N. A. Al Chaar, "Dynamic Response of Bridge's Deck Due to Earthquake Vertical Component", *Proceeding of The International Conference on Vibration, Noise and Structural Dynamic 99*, Venice, Italy, April 1999.
- Ahmed M. Ellakany, Khalil M. Elawadly, and A. Ellakany, "Calculation of Natural Frequencies of Multi-Span Elastic Composite Beams Using Transfer Matrix-Analog Beam Method", *Proceeding of the Seventh International Conference on Production Engineering, Design and Control, PEDAC2001*, Alexandria, Egypt, pp. 671-682, Feb. 2001.
- Ahmed M. Ellakany, Khalil M. Elawadly, and A. Ellakany, "Transfer Matrix-Analog Beam Method to Calculate Natural Frequencies of Elastic Composite Beams", *Proceeding of the Seventh International Conference on Computer Aided Optimum Design of Structures, OPTI 2001*, Bologna, Italy, pp. 259-268, May 2001.
- Ahmed M. Ellakany and Raafat E. S. Ismail, "Transfer matrix-boundary element method for dynamic analysis of floating bridges due to two moving loads", *Alexandria International Conference of Structural and Geotechnical Engineering-(AICSGE 8)*, Alexandria, Egypt, pp.ST 1-ST 15. April 2014.

10. Professional development activities

- Participated in organizing a workshop entitled "New Trends in Engineering – Education and Technology," held on November 2017 in Orders of Engineers, Tripoli, Lebanon.,
- Unlocking the Potential of Effective Online Learning, online seminar, Higher Education Capacity Development (HECD) Program, January 28, 2021.



- Effective Problem Solving and Decision Making, online non-credit course authorized by University of California. Irvine and offered through Coursera, March 2, 2022.