

RESUME

NAME: Mohamed Nazih Alyagshi Eilouch

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POSITION: Professor of Structural Dynamics & Earthquake Engineering, Faculty of Civil and Environmental Engineering, Yarmouk Private University.

SUMMARY OF QUALIFICATIONS:

- Ph.D in Civil Engineering (Structural Dynamics & Earthquake Engineering), USA, 1986.
- M.Sc. in Civil Engineering (Structures), USA, 1981.
- B.Sc in Civil Engineering, Damascus University, 1976.
- 30 Years of teaching experience.
- 35 Years of consulting experience.
- Consulting Engineer, Syrian Syndicate for Engineers.

1- ADMINISTRATIVE RESPONSIBILITIES

- Vice Dean of the Faculty of Civil Engineering at Damascus University (1995-1997).
- Head of the Structural Department, Faculty of Civil Eng., Damascus University (2005-2007)
- Head of the Civil Engineering Department, Yarmouk Private University (2010-2011).

2. ACADEMIC QUALIFICATIONS:

1.1 : Education:

- Ph. D. (Structural Engineering), The Ohio State University (1986).
Minors: Engineering Mechanics and Applied Mathematics.
Developed a coupled finite element - Boundary Element technique for dynamic and earthquake analysis of structures including soil - structure interaction.
Course work concentrated on modern methods of structural dynamic and applied mathematics.
- M.Sc. (Structural Eng.), The Ohio State University (1981). Works dealt with geometric optimization of prestressed and precast continuous bridges.
Course work concentrated on methods of structural analysis, reinforced concrete and applied mathematics.
- B.Sc. (Civil Engineering), Damascus University, Syria, 1976.

2.2 Academic Research Tasks:

- 1- Supervised two M.Sc. student theses at Jourdan University of Science and Technology (1991-1993).
- 2- Supervised Five M.Sc. student theses at Damascus University, Faculty of Civil Engineering.
- 3- Supervised Four Ph.D students research work and Dissertations at the Faculty of Civil Engineering, Damascus University

2.3: National Committees:

- Member of the Syrian National Permanent Committee on Earthquakes 1996-2007.
- President of the Earthquake Engineering Committee, Syrian Syndicate of Engineers, Damascus (1995-2004).
- Member of the Syrian code for Reinforced Concrete Structures since 1997 till now.

3. Publications:

A. International Journals and refereed Journals:

1. A Mixed Method for Transient Analysis of Soil-Structure Interaction Under SH Motion, Int. Jo. Earth. Eng. Struc. Dyn., vol. 14, pp. 499-516, 1986 (with R.S. Sandhu).
- 2 . A Parametric Study of the Finite Element Eigen Function Procedure for the Scattering of SH-waves, Int. J. Soil Dyn. & Earth. Eng., vol. 6, No. 2, pp. 70-74, 1987 (with R.S. Sandhu).
3. Dynamic Stability Analysis of King Talal Dam in Jordan, with A.S. Al-Homoud and J, Nusairat, Damascus University Journal of Engineering Science, Basel Al-Assad Journal of Engineering Science, No.2, 1995.
4. Scientific fundamentals for assessing and reducing Earthquake hazards in Syria, Damascus University Journal, V. 9, No. (33,34), 1995.
5. An Analytical Study of RC exterior flat beam-Column Connection Under Lateral Loads, M. Nazih Alyagshi Eilouch, A. Tasnimi, Fadwa Issa, Damascus University Journal Vol.(29)-No.(1)-2013.
6. A Study of Developed Rubber Bearings by Using Shape Memory Alloys Wires, M.Nazih Alyagshi Eilouch, Ammar Kaadan, Dalia Najjar, Research Journal of Aleppo University, No. 127, 2015.
7. Analyzing Seismic Isolation Bearings Using Hyperelastic and Damage Models, M.Nazih Alyagshi Eilouch, Ammar Kaadan, Dalia Najjar Research J. of Aleppo University , No. 18, 2016.
8. Studying the Behavior of Layers in a Seismic Base Isolation Bearing under the Influence of Applied Loads, M.Nazih Alyagshi Eilouch, Ammar Kaadan, Dalia Najjar Research J. of Aleppo University , No. 17, 2016.
9. A Study in the Behavioe of Steel Plate Shear Walls with Post-tensioned Beam-Column connections, M. Naih Alyagshi Eilouch, Firas Aldaker, J. Of University of Homs, No.41, 2019.
10. A Study in the Seismic Behavior of Tall Steel Building Equipped with Steel Plate Shear Walls with Post-tenioned Beam-Column connections, M. Naih Alyagshi Eilouch, Firas Aldaker, J. Of University of Homs, No.42, 2020.

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B. Books:

- 1 . Matrix and Computer - Aided Analysis of Structures (in Arabic), (with A. Al- Hasan), Damascus University Press (400 pages), 1990.
2. Plastic Analysis of steel Structures (In Arabic), (with A. Abdul-Salam), Damascus University Press (247 pages), 1990.
3. Limit State Design of Steel Members & connections (In Arabic) (with A. Abdul-Salam), Damascus University Press, 248 pages, 1991.
4. Moving Loads and Influence Lines, (with A. Al-Hasan), (In Arabic), Damascus University Press, (254 pages), 1991.
5. Structural Steel Systems (with Eng. G. Alouni) (In Arabic), Ministry of Higher Education Press, 311 pages, 1993.
6. Fundamentals of Seismology and Earthquake Engineering (In Arabic), Jowhar Al-Sham Press, 300 pages (In Arabic), 1996.

B. Conference Proceedings:

Numerous participations in Scientific Conferences and training courses on seismic and earthquake strengthening subjects.