

# NAZZAL S. ARMOUTI

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## EDUCATION:

Ph.D. Civil Engineering, 1993, Lehigh University, USA.  
M.E. Civil Engineering, 1987, Manhattan College, USA.  
B.Sc. Civil Engineering, 1980, Cairo University, Egypt.

## DISSERTATION:

"Seismic Performance of Precast Concrete Structural Walls"

## PROFESSIONAL LICENSING:

Registered Professional Engineer (P.E.) in The USA.  
Member, Jordan Engineers Association.

## ACADEMIC EXPERIENCE:

Feb., 98 - Present University of Jordan: Amman, Jordan: Associate Professor of Civil Engineering.  
Chairman, Department of Civil Engineering (Sept., 2010 – Present).  
Dean, Prince Hussein bin Abdullah II Academy of Civil Protection (Mar., 2008 – May., 2010).  
Director, Center of Consultation (Sept., 2005 – Mar., 2008).  
Chairman, Department of Civil Engineering (Sept., 2001 – Sept. 2005).  
Head, Structural Engineering Division (Sept., 2003 – Sept. 2004).

### Teaching Area:

- Graduate Level: Earthquake-Resistant Design, Structural Dynamics, Stability of Structures, Plastic Behavior of Steel Structures, Prestressed Concrete Structures, and Matrix Structural Analysis.
- Undergraduate Level: Reinforced Concrete Design, Steel Design, and Structural Analysis.

### Research Interest:

Earthquake-Resistant Structures, Seismic Response of Structures, Stability of Structures, and Plastic Behavior of Structures.

### Publications: **(Details attached).**

Author of textbook entitled "Earthquake Engineering, Theory and Implementation".  
Author of numerous papers in the area of earthquake engineering.

## PROFESSIONAL EXPERIENCE:

Present: \* International Director, International Code Council (ICC), USA.  
\* Serves on National Technical Committee for Earthquakes, Jordan.  
\* Serves on National Code Committee, Jordan.  
\* Member in numerous Committees in Public and Private Sectors.

Feb., 96 - Present Special Consultant in the area of Structural Engineering:  
Many buildings and other structures were reviewed and evaluated for engineering soundness and integrity in Jordan and abroad.

Aug., 93 - Feb., 96 STV Group, 225 Park Avenue So., New York, NY 10003, USA:  
Analysis and design of bridges.

Jul., 88 - Aug., 93 Center for Advanced Technology For Large Structural Systems,  
ATLSS, Lehigh University, USA:  
Research area: Computer Controlled Testing, precast concrete, and earthquake-resistant structures.

Feb., 88 - Jul., 88 Goodkind & O'dea, Inc. 250 Park Av. South, New York, NY 10003, USA:  
Analysis and design of bridges.

May, 87 - Feb., 88 Lev Zetlin Assoc., Inc. 641 6th. Av., New York, NY 10011, USA:  
Design of buildings.

Jul., 83 - Jul., 85 General Equipment Co., Amman, Jordan: Management & construction of  
highways, concrete structures, and prestressed bridges.

Jul., 80 - Jul., 83 Engineering Division, Municipality of Amman, Jordan.  
Licensing and Supervision of Building Construction.

# Publications

## TEXTBOOKS

- Armouti, N. S., 2008 "Earthquake Engineering, Theory and Implementation", 2nd Edition, International Code Council, ICC Publications, 4051 W. Flossmoor Rd, Country Club Hills, IL 60478, USA.
- Armouti, N. S., 2004 "Earthquake Engineering, Theory and Implementation", 1st Edition, The Author, Department of Civil Engineering, University of Jordan, Amman, Jordan.

## JOURNALS

- Armouti, N. S., 2010 "Effect of dampers on seismic demand of short period structures", Jordan Journal of Civil Engineering, Vol. 4, No. 4, pp. 367-377.
- Armouti, N. S., 2005 "Transverse Earthquake-Induced Forces in Discontinuous Bridges", Journal of Structural Engineering, Vol. 32, No. 2, pp. 75-84.
- Armouti, N. S., 2004 "Evaluation of Structural Response Subjected to Synthetic Earthquake Excitation", Journal of Structural Engineering, Vol. 31, No. 3, pp. 175-180.
- Armouti, N. S., 2002 "Transverse Earthquake-Induced Forces in Continuous Bridges", Structural Engineering and Mechanics, An International Journal, Vol. 14, No. 6, pp 733-738.

## INTERNATIONAL CONFERENCES

- Armouti, N. S., Shatnawi, A. S., and Jaber, M. S., 2007 "Effect of Axial Stiffness on Stability of Frames", Proc., 6<sup>th</sup> International Conference, Steel and Aluminum Structures, Oxford, England, pp 899-906.
- Sweis, G., Sweis, R., Shatnawi, A., and Armouti, N., 2007 "Economic of Incorporating Earthquake Resistant Properties into Residential Building Development in Jordan", Proc., Taylor and Francis Construction Management and Economics 25<sup>th</sup> Anniversary Conference, Reading, England, Abstract pp 103.
- Armouti, N. S., 2005 "Effect of Axial Load on Hysteretic Behavior of Precast Bearing Shear Walls", Proc., The International Earthquake Engineering Conference, Dead Sea, Jordan, Paper #8.
- Sweis, G., Shatnawi, A., and Armouti, N. S., 2005 "Earthquakes, development and mitigation: The case of Jordan", Proc., The International Earthquake Engineering Conference, Dead Sea, Jordan, Paper #7.
- Armouti, N. S., 2003 "Response of Structures to Synthetic Earthquakes", Proc., 9<sup>th</sup> Arab Structural Engineering Conference, Abu Dhabi, UAE, Vol. 1, pp 331-339.
- Al-Nimry, H. S., Armouti, N. S., and Najmi, A. S., 2002 "Inelastic Cyclic Response of Stone-Concrete Bearing Walls", Proceedings, 6<sup>th</sup> International Conference on Concrete Technology for Developing Countries, Amman, Jordan, Vol. 3, pp 961-972.