

Curriculum Vitae

Name: Abdelqader Said Najmi
Nationality: Jordanian
Marital Status: Married
Children: 3 sons

Academic Rank: Professor

Education:

Ph D in Structural Engineering, June 1980
Victoria University of Manchester, United Kingdom
M Sc in Structural Engineering, September 1977
Victoria University of Manchester, United Kingdom
B Sc in Civil Engineering, June 1972
University of Cairo, Egypt.

Area of Specialization:

(1) Design:

- Design of Steel Structures
- Design of Reinforced Concrete Structures.
- Design of Composite Construction

(2) Research:

- Analysis of Reinforced Concrete Columns, Uniaxial and Biaxial Loading
- LRFD Method of Design (Steel Design and Analysis)
- Connected composite concrete members (New topic)

(3) General Activities

- Member of the team that drafted the “Jordanian Steel Construction Code-ASD”
- Member of the team that completed “Manual on the Jordanian Reinforced Concrete”.
- Member of the technical committee for Certificates’ Evaluation – Ministry of Higher Studies.

Address:

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Practical Experience:

1972-1973 Material Engineer, Bin Laden Organization, Jizan, Saudi Arabia
1973-1974 Project Engineer, Bin Laden Organization, Jizan, Saudi Arabia
1974-1976 Project Manager, Bin Laden Organization, Jizan, Saudi Arabia
Consultant to various Steel and Reinforced Concrete projects in Jordan and Qatar.

Administrative Posts:

Chairman of Civil Engineering Department: 1986-1989

Assistant Dean: 1989-1991.

Vice-Dean of Faculty of Engineering and Technology 2001-2003

Vice-Dean of Faculty of Higher Studies –Scientific colleges 2004-2007

Chairman of Civil Engineering Department: 2008-2009.

Director of Center of Consultation- The University of Jordan, 2012-2013.

Academic Ranking:

1998- Professor of Civil Engineering

1989-1998 Associate Professor

1980-1989 Assistant Professor

Courses Taught:

(1) Graduate Courses:

- Advanced Reinforced Concrete (Behavior of Reinforced Concrete Elements)
- Steel and Composite Construction
- Bridge Engineering
- Plates and Shells
- Advanced Mechanics of Materials*
- Matrix Structural Analysis

(2) Undergraduate Courses:

- Statics, Structural Mechanics, Strength of Materials.
- Theory of Structures: 3 levels.
- Reinforced Concrete 1, Reinforced Concrete 2.
- Design of Steel Structures*

* Courses being taught this Academic Semester 2013-2014

Computer Skills:

Familiar with MicroSoft packages (Word, Excel, Visio), MATLAB, AutoCad, Staad Pro, Axiom, C++.

Publications:

1. Moayyad M. Al- Nasra, Naem M. Asha, **AbdulQader S. Najmi** “Investigation the Use of Swimmer Bars as Shear Reinforcement in Reinforced Concrete Beams”, International Refereed Journal of Engineering and Science, Volume 2, Issue 4, pp: 40-49, 2013.
2. Moayyad Al-Nasra, Naem M. Asha, **Abdulqader Najmi**, “The Use of Swimmer Bars as Shear Reinforcement in Reinforced Concrete Beams”, American Journal of Engineering and Applied Sciences, Vol. 6(1), 87:94, 2013.
3. Ibrahim A. Duweib, Moayyad M. Al-Nasra and **AbdelQader S. Najmi**, “Investigating the Use of Space Swimmer Bars as Punching Shear Reinforcement of Reinforced Concrete Plates”, International Journal Of Engineering and Research and Industrial Applications (IJERIA), Vol. 6, No.1, pp 127-139, 2013.
4. Moayyad M. Al-Nasra, **AbdelQader S. Najmi** and Ibrahim A. Duweib, “Effective Use of Space Swimmer Bars in Reinforced Concrete Flat Slabs’,

International Journal of Engineering and Research Technology,
ISSN:2277:9655,2013.

5. Moayyad M. Al-Nasra, Ibrahim A. Duweib and **AbdelQader S. Najmi**, “The Use of Swimmer Bars as Punching Shear Reinforcement in Reinforced Concrete Slabs”, *Journal of Civil Engineering Research*, Vol.3(2), 75-80, 2013.
6. Madiha Z.J Ammari, Moayyad Al-Nasra, **Abdelqader Najmi**,”Effective Use of U-link in Concrete Filled Steel Tube Beams”, *International Journal of Engineering Science Invention*, ISSN (Online):2319-6734, ISSN(print) 2319-6726, 2013.
7. **Abdulqader S. Najmi**, Moayyad M. Al-Nasra, Naem Asha,”Investigating the Use of Swimmer Bars in the Reinforced Concrete Beams”, *Annual International Conference on Civil Engineering*, Athens, Greece, 2013.
8. Moayyad M. Al-Nasra, Ibrahim Duweib, **Abdelqader Najmi**,“The Use of Swimmer Bars as Shear Reinforcement in Concrete Flat Plates” , 2013
9. Moayyad Al-Nasra, Naem M. Asha, **Abdelqader S. Najmi**, “The Use of Swimmer Bars as Shear Reinforcement in Concrete Beams: Concrete Shear Reinforcement, LAP LAMBERT, Academic Publishing, 2013.
10. Madiha Z.J. Ammari, Moayyad Al-Nasra, **Abdelqader Najmi**,”Experimental Study of Concrete Filled Built-up Steel Tubular Beams”, *LAMBERT Academic Publishing*, 2013.
11. **Abdelqader Said Najmi**,”Flexural Stiffness of Concrete Beams and Columns”,*International Conference on Construction Developing Countries*, Bangkok, Thailand, 2012.
12. **A. Najmi** “Confinement of Concrete Filled Steel Tubular Columns – New Frontiers” (2012) Accepted for Publication, *Dirasat, Natural and Engineering Sciences*..
13. **A, Najmi** “*Connected Composite Concrete Columns*” (2006), submitted through the University of Jordan to register a **Patent** for special design of tubular steel columns.
14. **Najmi, A.** “*The Failure of Axially Loaded Steel Columns*,” *Dirasat, Engineering Sciences*, Volume 26, No. 1, 1999.
15. **Najmi, A.** “*Interaction Diagrams of Short Columns Under Biaxial Bending*,” *Dirasat, Natural and Engineering Sciences*, Volume 25, No. 1, 1998.
16. **Najmi, A.** and Tantatwi, H. “Flexural Stiffness of Rectangular Reinforced Concrete Beams at Service Loads,” *Mu'tah Lil-Buhooth Wa Al-Dirasat, Mu'tah Journal For Research and Studies, Natural And Applied Sciences Series*, 1997.
17. Tayem, A. and **Najmi, A.** “*Design of Round Reinforced Concrete Columns*,” *Journal of Structural Engineering, ASCE*, Sep. 1996, Vol. 122, No. 9
18. Assad, A., Tayem, A. and **Najmi, A.** “*Homogeneity Transformation Factor for Cracked Concrete*,” *Dirasat, Journal of University of Jordan*, Vol. 22 B, No. 3, 1995.
19. **Najmi, A.** and Tayem, A. “*Design of Circular Columns*” *Dirasat, Journal of University of Jordan*, Vol. 21 B, No. 3, 1994.
20. **Najmi, A.** “*Inelastic Behavior of R.C Beams*,” *Dirasat, Journal of University of Jordan*, Vol. 21 B, No. 2, 1994.
21. **Najmi, A.** and Tayem, A. “*Uniaxial Bending of Columns*,” *Journal of Structural Engineering, ASCE*, New York, Vol. 19, No. 4, April 1993.
22. Tayem, A. and **Najmi, A.** “*Buckling of Stepped Columns*,” *Dirasat, Journal of University of Jordan*, Vol. 19 B, Jan., 1992.
23. **Najmi, A.** and Tayem, A. “*Buckling of Truss Compression Chords*,” *Dirasat, Journal of University of Jordan*, Vol. 19 B, July, 1992.

24. **Najmi, A.** “*The Effect of Disposition of Reinforcement on Biaxially Loaded Columns,*” Dirasat, Journal of University of Jordan, Vol. 11, 1989.
25. **Najmi, A.** “*Design and Analysis of Eccentrically Loaded Short Columns with Uniaxial Bending by Transformed Sections at Ultimate Limit State,*” Dirasat, Journal of University of Jordan, Vol. 14, Sep., 1987.
26. **Najmi, A.** “*Design Curves of Biaxially Loaded Short Columns,*” Dirasat, Journal of University of Jordan, Vol. 14, Sep, 1987.
27. **Najmi, A** “*Analysis and Design of Rectangular Reinforced Concrete Columns Subjected to Biaxial Bending by the Use of Transformed Sections,*” Dirasat, Journal of University of Jordan, Vol. 13, Oct., 1986.
28. **Najmi, A** “*Shear of Rectangular Reinforced Concrete Sections,*” Dirasat, Journal of University of Jordan, Vol. 13, Oct., 1986.
29. **Najmi, A** “*Unified Stiffness Method for the Analysis and Design of Rectangular Reinforced Concrete Beams at Ultimate Limit State,*” Dirasat, Journal of University of Jordan, Vol. 13, Oct., 1986.
30. Taylor, R. and **Najmi, A.** “*Composite Reinforced Concrete Beams in Hogging Bending,*” Proc. Instn. Civ. Engrs. **London**, Part 2, 1980, September 801-812.
31. Taylor, R. and **Najmi, A** “*The Strength of the Concrete in Composite Reinforced Concrete Beams in Hogging Bending,*” Magazine of Concrete Research, **London**, Vol. 32, No. 112, September 1980.

Patents:

September 2007 “U-Shaped Links”: Confinement Generator used in concrete filled tubular sections employing the “lateral separation-confining hypothesis”. Patent No.: 2391, Date 24/9/2007. In accordance with article (15/a) of the Patents Law No. (32) of 1999 and its amendments and the regulations issued pursuant to it. And whereas the application for the registration No. (2005/144) of date (11/10/2005) has fulfilled all the requirements stipulated by the law and the regulations, and whereas such application has been published in the official gazette issue No. (363) dated (17/6/2006). In witness hereof, I have decided, upon the power vested in me by law, to grant the patent No. (2391) according to the following:

Name of invention: U-Shaped Links

Patent owner(s): University of Jordan

Name of inventor(s): Abdelqader Said Ali Najmi