

Résumé

Personal Information:

Name: Mohammad A. M. Daoud
Date of Birth: 4th of Jan. 1962
Place of Birth: Jericho
Citizenship: Jordanian
Mailing Address: P.O. Box 8494
Eastern Hussein 11121
Amman- Jordan
Phone: +962-6- 5666521 (Home)
+962-6- 5689052 (Office)
+962-79- 5615991 (Cell)
Fax: +962-6- 5689052
E-mail: geceng@yahoo.com

Education

Ph.D. in Civil Engineering / Structures,
University of Jordan, Amman, Jordan, August 2005.
Ph.D. Thesis: Generating and Implementing Genetic Algorithms to Get the Optimum
Design of Simply Supported Prestressed Concrete Beams.
Average: 3.65/4.0 (Excellent)

Master of Science in Civil Engineering / Structures,
University of Jordan, May 1998.
Average: 3.69/4.0 (Excellent)

Bachelor of Science in Civil Engineering,
Yarmouk University , Jordan, May 1984.
Average: 84.6%

High School,
Hussein College Secondary School, Jordan, 1980
Average: 91.6%

Consultant Engineer and partner, Amman-Jordan

(Global Engineering Consortium - Consultant Engineers)

Sep, 1989 - Sep, 2006

- 1 Chief Engineer and head of the Design team.
- 2 Consultant for many architects.

Consultant Engineer, Amman-Jordan

(Al-Bashir international engineering company- Consultant Engineers)

Sep, 1999 - Sep, 2006

- 1 Chief Engineer and head of the structural Design team.

Computer Skills

Structural Programs

- STAAD pro : General Structural Program.
- Prokon : General Structural Program.
- ETABS high rise building and general structural program

Other Programs

- Autocad
- EXCEL
- Power Point
- Microsoft Word

Programming Languages

- Visual Basic
- Fortran
- Auto lisp

Membership of Professional Organizations & Community Services

- 1 Member of the Jordan Engineers Association since 1985.
- 2 Member of the Organizing committee for the “Jordan 3rd Conference on Civil Engineering, Structures, Geotechnical, and Management”, Amman, Jordan (2003).
- 3 Chairman of civil Engineering scientific Research Committee since 2000.
- 4 Member of the Organizing committee for the “Jordan 2nd Conference on Structural Engineering”, Amman, Jordan (20-22 Sep., 1999).
- 5 Chairman And Member of Organizing Committee for Civil Engineering Scientific Days
- 6 Chairman and Member of Organizing Committee for Environmental Assessment Scientific Days.
- 7 Member of a research team visited Algeria to study the effect of Earthquake that struck Algeria on 22nd of May, 2003 (9-15 June, 2003), supported by Jordan Engineers Association.

Training Courses and Presentations

- 1 Trainer in HOWARD TECH for the following courses:
 - STAAD PRO
 - Design of concrete structures

- 1 Teaching training courses in the Jordan Engineers Association as follows:
 - Reinforced Concrete structures
 - Seismic Analysis and Design of Structures.
 - * Guide to Steel detailing

- 2 Teaching training courses in the Global Institute for Engineering Studies as follows:
 - Land Surveying.
 - Quality Control for Buildings.

- 3 Presentation about Seismic Analysis of Structures in:
 - Jordan Engineers Association - Amman
 - Hashemite University
 - Jordan Engineers Association - Aqaba
 - Jordan Engineering society - Zarqa
 - Jordan Engineering Society- Mafraq
 - Jordan Engineering Society- Tafeeleh.

- 4 Presentation about Algeria Earthquake which occurred in May 2003 in:
 - Jordan Engineers Association - Amman
 - Balqa Applied University
 - Jordan Engineers Association - Zarqa Branch
 - The Hashemite University

Projects

- Commercial towers

- 1 Hejaz towers, Amman
- 2 Abu- Taweeleh Plaza
- 3 Emar Towers

- Medical buildings

- 1 extension of al-bashir hospital
- 2 building of clinics – Jordan hospital
- 3 Al- Hanan hospital.
- 4 International medicine factory and stores.
- 5 RAM medicine factory
- 6 Jarash Hospital

- Steel structures

- 1 Al-Iqbal printing factory
- 2 International cigarettes company
- 3 National company for gases.
- 4 International company for medical gases.

- 5 Al-Dustoor printing press company
- 6 Arab weavers factory
- 7 Gas stations

- Housing buildings

- 1 Al Ryad housing complex
- 2 Madaen Alnoor complex
- 3 Madaen alshorouq complex
- 4 AlAsayel complex
- 5 Marwan Alabdallat housing buildings (24 buildings)
- 6 Saudi housing buildings (more than 30 buildings)

- Private villas

- I used to submit structural design to many reputable architects in Jordan some of them are :

- 1 Dr. Waddah Alabidi
- 2 Assembly Jordan
- 3 Symbiosis
- 4 Al Homsy Group
- 5 Arda office
- 6 Munir Hajjiri office
- 7 Panorama

University courses:

- Statics
- Dynamics
- Structural analysis I & II
- Concrete design I & II
- Prestressed concrete
- Steel design
- Geology
- Foundation
- Transportation
- Computer applications
- Construction materials

Books:

- 1- M. Al-Nasra, M. Daoud, “ New Optimizing Genetic Algorithm: Applied to the Design of Pre-Stresses Concrete Beams,” Lambert Academic Publishing, 2013, ISBN: 978-3-659-46548-2.

Research work:

1. Hunaiti, Y., Abdel-Jawad, Y., and Daoud, M., “ Optimal Design of AASHTO Bridge Sections Using Genetic Algorithms” The Fourth Jordanian Civil Engineering Conference, Amman-Jordan, 2006
2. Abdel-Jawad, Y., Hunaiti, Y., and Daoud, M., “Optimization of Prestressed Concrete Simply Supported Beams Using Genetic Algorithms” Proceedings of the 2nd International Conference on Monmouth / Nonconvex Mechanics with Applications in Engineering, pp.123-130, Thessaloniki, Greece, July 2006
3. Moayyad Al-Nasra, Mohammad Daoud, “Investigating the Use of Super Absorbent Polymer in Plain Concrete,” International Journal of Emerging Technology and Advanced Engineering, Vol. 3, Issue 8, ISSN 2250-2459, ISO 9001/2008, www.ijetae.com, pages 598-603, August, 2013
4. Mohammad Daoud, Moayyad Al-Nasra, “The Use of Super Absorbent Polymer as a Sealing Agent in Plain Concrete.” American Journal of Engineering Research (AJER), Vol. 3, Issue 3, ISSN online: 2320-0847, ISSN print: 2320-0936, ANED: 30.0847/033132137, www.ajer.org, Pages 132-137, March 2014.
5. Moayyad Al-Nasra, Mohammad Daoud, “Investigating the transitional state between circular plates and shallow spherical shells,” American Journal of Engineering Research (AJER), Vol. 4, Issue 2, ISSN online: 2320-0847, ISSN print: 2320-0936, ANED: 30.0847/042072078, www.ajer.org, Pages 72-78, February 2015.
6. Mohamad Daoud, Moayyad Al-Nasra, “Investigating the transitional state between square plates and shallow shells”, International Organization of Scientific Research, Journal of Engineering (IOSRJEN), Vol. 05 , Issue 07 , Version 01, ISSN Print: 2278-8719, ISSN Online: 2250-3021, DOI:- 05070160, ANED: 0.4/3021-05715060, ESCI-MML 3021-0507-0160 , <http://www.iosrjen.org>, Pages 43-49, July 2015.
7. Mohamad Daoud, Moayyad Al-Nasra, Khaled Ramadan, “ Investigating the Transitional State Between Rectangular Plate and Shallow Shells,” International Journal of Civil and

- Structural Engineering- IJCSE, Volume 2, Issue 2, ISSN : 2372-3971, http://seekdl.org/journal_page_papers.php?jourid=123&issueid=163, Pages 209 – 213, October 2015.
8. Moayyad Al-Nasra, Mohamad Daoud, Taher AbuLebdeh, "The Use of the Super Absorbent Polymer as Water Blocker in Concrete Structures," American Journal of Engineering and Applied Sciences, 8 (4): 659.665, ISSN Print: 1941-7020, ISSN Online: 1941-7039, DOI: 10.3844/ajeassp.2015.659.665 <http://thescipub.com/journals/ajeas>, Pages 659-665, November 6, 2015.
 9. Moayyad Al-Nasra, Mohammad Daoud, 'Concrete Mixed with Superabsorbent Polymer Made for Energy Conservation.', The 6th Jordanian International Civil Engineering Conference (JICE06). Amman, Jordan, 10-12 March, 2015.
 10. M. Daoud, M. Al-Nasra, R. Younis, K. Ramadan, " Investigating the Transitional State between Circular Plates and Shallow Spherical Shells," International Conference on Advances in Composite Materials and Structures (CACMS 2015) 13-15 April 2015, Istanbul, Turkey.
 11. Mohammad Daoud, Moayyad Al-Nasra, " Application of Optimizing Genetic Algorithm to Pre-stressed Concrete Beams," International Conference on Advances in Composite Materials and Structures (CACMS 2015) 13-15 April 2015, Istanbul, Turkey.
 12. Moayyad Al-Nasra, Mohammad Daoud, " Investigating the Use of Superabsorbent Polymer as Water Blocker in Composite Concrete Structures," International Conference on Advances in Composite Materials and Structures (CACMS 2015) 13-15 April- 2015, Istanbul, Turkey.
 13. Mohamad Daoud, Moayyad Al-Nasra, Khaled Ramadan, "Investigating the Transition State Between Rectangular Plates and Shallow Shells", Proceedings of The Fourth International Conference on Advances in Civil and Structural Engineering -CSE 2015, Institute of Research Engineers and Doctors, USA. ISBN: 978-1-63248-070-5, DOI: 10.15224/ 978-1-63248-070-5-44 .SEEK Digital Library. http://seekdl.org/conferences_page_papers.php?confid=214.
 14. Mohammad Daoud, " new directions in structural analysis and design" , proceedings of the consultancy work conference, Palestinian engineering association, Ramallah, 2010 Palestine.