

## Dr. Ghassan Odeh

Civil Engineering Department, An-Najah National University, Nablus, Palestine  
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### EDUCATION:

- Ph. D. : Civil Engineering Department, Structures, Middle East Technical University, Ankara -Turkey October 1994-June 1998.
- M.Sc. : Civil Engineering Department, Structures, Middle East Technical University, Ankara –Turkey, February 1987-February 1989
- B.Sc. : Civil Engineering Department, Middle East Technical University, Ankara - Turkey October 1981- July 1986.

### AWARDS:

| Title                        | Year    | Funding Organization             |
|------------------------------|---------|----------------------------------|
| • Publication Award          | 2002    | Eastern Mediterranean University |
| • Publication Award          | 2003    | Eastern Mediterranean University |
| • Ph D Scholarship (Tuition) | 1994-98 | Middle East Technical University |

### TEACHING EXPERIENCE :

- **An-Najah National University**, Nablus, West-Bank, Palestine. Faculty member, Faculty of Engineering, Department of Civil Engineering: From September 2005 to Present
- **Cyprus International University, CIU**, Haspolat, Lefkosa, North Cyprus  
Faculty member . Faculty of Engineering; Department of Civil Engineering, from October 2003 – July 2005
- **Eastern Mediterranean University, EMU**, Gazimagusa, North Cyprus. Faculty Member  
Faculty of Engineering, Department of Civil Engineering.From Sept. 2000 – Aug.2003
- **Middle East Technical University, METU**, Ankara, Turkey: Lecturer: 1989-1992  
Department of Architecture: Full time, Lecturer.: 1994-1998 Part time Departments of Engineering Sciences and Civil Engineering :

### PROFESSIONAL EXPERIENCE :

- **John Laing – Sir Owen Williams JV**. From July 1998 - August 2000.: British based leading international companies. 3511-TU International Bank Project.
- **Owen Williams International Limited**: From July 1997-July 1998

- **Karabork Construction & Trading Company Ltd.** Ankara, Turkey: From April 1992- July 1997.

**Consultant to:**

- **Yaşar Gocmen (Engineer-Contractor)**
- **Mekon (For the German KHD and Hanslouis).**
- **New-form (Kerim Özerdem-Subcontractor)**

**FIELDS OF INTEREST:**

Structural Analysis and design of reinforced, pre-stressed concrete and steel structures, Bridge Design and High Rise Buildings, Structural Dynamics and Earthquake Engineering, Earthquake Resistant Design, Seismic Retrofitting and Design of Structures, Strengthening and Repair of Structures, Pre- and Post Earthquakes, Finite Element Analysis of Structures, Structural Optimization and Nonlinear Analysis .

**COMPUTER USAGE AND THE NATURE OF THE USE:**

MS Office, ANSYS, SAP 2000, ETAPS, MATLAB

**PUBLICATIONS:**

1. G. Odeh, Nonlinear Dynamics of Shallow Spherical Caps Subjected to Peripheral Loading, Nonlinear Dynamics Volume 33, pp 155 – 164, 2003,
- 2 N. Akkas and G. Odeh, A Novel Snap-through Buckling Behaviour of Axisymmetric Shallow Shells with Possible Application in Transducer Design, Computers & Structures, Volume 79 pp 2579-2585, 2001
- 3- N. Akkas and G. Odeh, “A novel snap-through buckling behaviour of axisymmetric shallow shells subjected to peripheral loading”, Nha Trang 2000 International Colloquium in Mechanics of Solids, Fluids, Structures and Interactions, pp 562-570 Nha Trang, Vietnam. 14 – 18 August 2000.
- 4- N. Akkas and G. Odeh, A Novel Snap-through Buckling Behavior of Axisymmetric Shallow Shells with Possible Application in Transducer Design, The Fourth International Conference on Computational Structures Technology, Advances in Civil and Structural Engineering Computing for Practice, pp 247-253 Edinburgh, Scotland 18 - 20 August 1998.

5- G. Odeh, The Dynamic Behavior of Spherical Caps Subjected to Radial Sinusoidal loading, 3<sup>rd</sup> FAE International Symposium, pp 167-175, European University of Lefke, Gemikonagi, N. Cyprus, November 25-26 2004

6- G. Odeh, Nonlinear Buckling Characteristics of Shallow Spherical shells, Fifth International Congress on Advances in Civil Engineering, Vol. 1 pp 195-204, September 25-27,2002 Istanbul Technical University, Istanbul, Turkey

7- G. Odeh, Nonlinear Dynamic Response of Shells of Revolution, International Symposium on Structural and Earthquake Engineering, pp 244-250, October 14, 2002, Middle East Technical University, Ankara – Turkey

8- G. Odeh, A simple nonlinear finite element model for axisymmetric shells, 2<sup>nd</sup> FAE International Symposium, pp 225-229 European University of Lefke, Gemikonagi, N. Cyprus, 06-07-08 November 2002

**LANGUAGES :**

|         | Reading   | Writing   | Talking and understanding |
|---------|-----------|-----------|---------------------------|
| English | Excellent | Excellent | Excellent                 |
| Arabic  | Excellent | Excellent | Excellent                 |
| Turkish | Excellent | Excellent | Excellent                 |