

## **Dr. Abdul Razzaq Touqan**

Civil Engineering Department, An-Najah National University, Nablus, Palestine

Tel: 970 9 2345113 ext. 2397 E-mail: [touqanar2000@najah.edu](mailto:touqanar2000@najah.edu)

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### **CURRENT POSITION**

**Assistant professor, Civil Engineering Department, An- Najah National University, 1989 – Present**

### **EDUCATION**

- 1985-1989, Ph.D. structures, civil engineering department, Stanford University, California, USA.
- 1982-1983, Msc. civil engineering, structures, civil engineering department, Stanford University, California, USA.
- 1975-1980, Bsc. civil engineering, first in civil engineering department, highest GPA in the university at year of graduation, university of Jordan, Amman, Jordan.
- 1975, General Secondary certificate exams (Tawjihi), first in Nablus and fourth at West Bank, with excellent avg. 95.2%, Assalaheya Secondary School, Nablus, West Bank.

### **WORK EXPERIENCE**

- 1989 – Present, Associate Professor, Civil Engineering Department, An- Najah National University, Nablus, West Bank.
- 1984-1985, Department head, Civil Engineering Department, An-Najah National University, Nablus, West Bank.
- 1983-1984, Teacher, Civil Engineering Department, Bir Zeit University.
- 1981-1982, teaching and research Assistant, Civil Engineering Department, Bir Zeit University
- 1980-1981, teaching and research Assistant, Civil Engineering Department, University of Jordan, Amman, Jordan.

## **ADDITIONAL CAREER EXPERIENCE - PART TIME**

- 1979, Training engineer, Bechtel Company (power division), San Francisco, California, USA.
- 1986-1988, teaching and research Assistant, Stanford University, California, USA.
- 1986-1987, Consultant failure analysis company Palo Alto, California, USA.

## **COMPUTER SKILLS**

- MS Office
- SAP, ETABS software

## **AWARDS**

- **Full doctoral scholarship** award at Stanford University, Amideast, An-Najah National University, 1985-89.
  - **Full MSc scholarship** award at Stanford University, Amideast, Bir-Zeit University, 1982-83.
  - **Full BSc scholarship** at Jordan University, Ministry of education at Jordan, 1975-1980.
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## **COURSES TAUGHT:**

**BSC Courses:** serving different departments and one serving university requirements (engineering and society (الهندسة والمجتمع)), the following is a list of courses given in the civil engineering department

- Analysis Courses: Statics, Dynamics, Mechanics of Materials, Structural Analysis 2 and 3, Failure Analysis, Computer Applications (3D Seismic Analysis and Design of Structures),
- Design Courses: Reinforced Concrete 1, 2, and 3, Steel Design, System Design Fundamentals.
- Design Project 1 and 2: supervised over seventy undergraduate projects in several areas in structural analysis and design.

- General courses: Introduction to engineering, Engineering verses in the Holy Quran (الإعجاز الهندسي في القرآن الكريم).

#### **Master Courses:**

- Analysis courses: Matrix Analysis of Structures, Finite Element Analysis, Structural Dynamics, Multi Story Analysis and Design, Plastic Analysis and Design, Failure Analysis.
- Design Courses: Advanced Reinforced Concrete, System Design Fundamentals

#### **Master Thesis:**

Supervised six students in several areas of seismic analysis, evaluations, failure analysis and rehabilitation

### **PUBLICATIONS**

First and second author of several textbooks and research papers in fields of structures, computer and Islam. The following are few examples:

#### **REFEREED JOURNALS:**

- M. Abu-Hilal and A.R. Touqan: ‘Conceptual Understanding of Mass and Stiffness fixed points of discrete vibrational systems’, *Jordan Journal of Mechanical and Industrial Engineering*, Vol.4, No.4, pp.433-442, 2010.
- Samir Helou and A.R. Touqan: Dynamic Behaviour of Reinforced Concrete Structures with Masonry Walls”, *An-Najah University Journal for Research Natural sciences*, Vol. 22, 2008.

#### **BOOKS:**

- Solution manual for the book “Vibration Problems in Engineering”, John Wiley and Sons 1990.
- Programming in Fortran 77, First author together with Ali Hamad and Khalid Salah

#### **REFEREED CONFERENCES:**

- Abdul R. Touqan, “Three Dimensional Response Spectrum Soil Structure Modeling Versus Conceptual Understanding To Illustrate Seismic Response Of Structures”, AIP Conf. Proc. 1020, pp. 1143-1150

### **REFERENCES**

Available upon request

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