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Zaid Al-Azzawi

Personal Information

- Marital status: Married
- Nationality: Iraqi
- DOB: March 10th, 1974

Education

[1995] BSc in Civil Engineering Anbar University
Civil Engineering
▪ I ranked the 1st among (42) with an average of (75.5%).

Education

[1998] MSc in Structural Engineering University of Technology
Structural Engineering
▪ I ranked the 1st with a total average of (85.5%).

Education

[2016] PhD in Structural Engineering University of Edinburgh
Infrastructures

Professional experience

[2016 -] College of Engineering- University of Anbar Ramadi
Senior Lecturer

Professional experience

[2015 -2016] School of Engineering- University of Edinburgh Edinburgh
Course Organizer and PhD Student

Professional experience

[2013-2015] School of Engineering- University of Edinburgh Edinburgh
PhD Student

Professional experience

[2012-2013] College of Engineering- University of Anbar Ramadi
Senior Lecturer

Professional experience

[2009-2012] College of Engineering- University of Anbar Ramadi
Lecturer

**Professional
experience**

[2005 - 2009] Al-Madarij for General Contracting Co. Baghdad
Projects Manager

- I directed and implemented several projects for the company.

**Professional
experience**

[2003-2005] College of Engineering- Anbar University Anbar-Ramadi
External Lecturer

- I Lectured in Theory of Structures for the third class students.

**Professional
experience**

[2002-2003] Experts bureau for Engineering Consultancy Baghdad
Projects Manager

- I directed and implemented several Civil projects, especially soil work and highways, in different regions of the country.

**Professional
experience**

[1999-2002] Abu Arja Contracting Engineers Amman-Jordan
Site Engineer

Project Manager

- I started working with the company (which is a First class company) as a Site Engineer and proceeded to be a project manager in the last two years.

**Professional
experience**

[1998-1999] Al-Aqsa for Engineering Consultancy Anbar-Ramadi
Designing Engineer and Programming Lecturer

- Structural design using computer software in addition to lecturing in computer CAD.

**Professional
experience**

[1995-1998] Eng. Samir Abdulla Bureau Baghdad
MSc Student and part time Civil Engineer

- Executive site Engineer and Resident Engineer.

**Teaching
Experience**

- Engineering Mechanics (Statics and Dynamics).
- Computer Science and Visual Basic Programming.
- Engineering and Numerical Analysis - Including MATLAB applications.
- Theory of Structures.
- Structural Functions and Design Philosophy.
- Plastic Analysis of Frames and Slabs
- Finite Element Method for Solids and Structures- Including Abaqus applications.
- Thin-Walled Members and Stability.
- Advances in concrete mechanics.
- Supervising several Graduation Projects.

Patents

- Strengthening Shear Capacity and Improving Buckling Strength of Thin-Walled Steel Plates Using a Novel Section Pre-Fabricated from Carbon Fibre Reinforced Polymers (CFRP).

Publications

- Shear Capacity of High-Strength Fiber Reinforced Beam-Column Joints, Engineering and Technology Journal, V. 28, No. 6, 2010.
- Mechanical Properties of High-Strength Fiber Reinforced Concrete, Engineering and Technology Journal, V. 28, No. 12, 2010.
- Impact Resistance of Chopped-Worn-Out Tires Concrete, Engineering and Technology Journal, V. 28, No. 16, 2010.
- Strength and Behavior of Fibrous High-Strength Concrete Columns, Anbar Journal For Engineering and Sciences, Special Issue- Part one, First Engineering Conference of the College of Engineering, University of Anbar, held on 21-22, Dec. 2011.
- Finite Element Modeling of Shear in Beam-Column Joints Using ANSYS software, Proceedings, Jordanian International Civil Engineering Conference, Nov., 2011.
- Effect of hoops and column axial load on shear strength of High-Strength Fiber Reinforced Beam-Column Joints, Journal of Engineering-University of Baghdad, No.3, Vol. 18, March 2012.
- Effect of Flange and Stiffener Rigidity on the Boundary Conditions and Shear Buckling Stress of Plate Girders, European Bridge Engineering Conference, Edinburgh 2015.
- Buckling Strength of Slender Steel Plates Stiffened with Corrugated FRP Panels, ACIC, 2015
- Towards a Better Understanding of the Factors Affecting the Prediction of Shear Buckling Coefficients of Steel Plate Girders, Scotland 3rd Joint postgraduate conference, 2015.
- FRP Shear Strengthening of Thin-Walled Plate Girder Web Panels Subjected to Cyclic Loading, Protect 2015.
- FRP Strengthening of Web Panels of Steel Plate Girders against Shear Buckling under Static and Cyclic Loading., ACMBS MCAPC VII, 2016.

Professional activities

- **ABET** working group webinar series, In January - March 2017 through the U.S.-Iraq Higher Education Partnerships Program, a program developed by IREX with the support of the US Embassy in Iraq.
- **ABET** workshop held by the College of Engineering, the University of Jordan in Amman, May 2017.

Professional memberships

Member of the Iraqi Engineers Union No. 76955 in 26 July 1995.

Member of the Jordanian Engineers Union No. 15030/1 in 19 Feb. 2001.

Languages

Arabic 100% - **English** 90% - **Kurdish** 70%.

Zaid Al-Azzawi