

Eng. Aya Ibrahim Al-Asi
Master of Science in Civil Engineering –
Structures
Applied Science Private University(ASU)
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Education

Master in Civil Engineering - Structural Option

Jordan University (JU), Amman, Jordan. Graduated in 2015 with high honors with GPA of 3.47 on a 4.0 scale.

Master Thesis: "Flexural Strengthening of Reinforced Concrete Deep Beams Using Carbon Fiber Polymers."

B.S. in Civil Engineering

Hashemite University (HU), Zarqa', Jordan. Graduated in June 2012 with high honors with GPA of 3.3 on a 4.0 scale.

Senior Project: "Structural Design of Al-Hussein Youth city Halls."

Professional Experience

- Lecturer of Civil Engineering: Applied Science University, 7/2016 – Current.
- Teaching Assistant during my M.S. study at JU, 2013-2014.

Journal Papers

1. "Shear and Flexural Behavior of Reinforced Concrete Deep Beams Strengthened with CFRP Composites", Hana Al-Ghanem; Aya Al-Asi; Mu'tasim Abdel-Jaber; Maha Alqam, Modern Applied Science, Vol 11, No 10 (2017).

Conference Papers and Presentations

1. Asi, I.M. and Asi, Aya, "Airports and Highways Pavement Performance Evaluation for Maintenance Need - Case Study," 16th Annual "International Operations & Maintenance Conference – Managing Maintenance Within Industry 4.0" Cairo, Egypt, November, 2018.

Research Interests

- Reinforced concrete structural design
- Pavement
- Construction materials

Courses Taught

- Statics
- Building construction
- Reinforced concrete design for Architecture
- Steel design for Architecture
- Surveying
- Pavement design
- Engineering drawing using AutoCAD
- Surveying lab.
- Pavement Lab.
- Technical Writing

Important Courses Taken

- During MS: Advanced Mechanics, Plastic Steel, Structural design using matrices, Structural Dynamics, Earthquake Design, Bridge Design, Prestress Design and Numerical Analysis.
- During B.S: Earthquake design, Structural analysis, Reinforced concrete design, Computer applications: Etabs, SAP, AutoCAD, Highway and pavement design

Computer Skills

- ABAQUS (Finite Element Analysis and Design)
- SAP2000 (Integrated Building Design Software).
- ETABS (Integrated Building Design Software).
- SAFE (Integrated Building Design Software).
- PROKON (Structural Analysis and Design).
- Primavera (Professional Project Management).
- AUTOCAD.
- Revit.
- Microsoft Office.

Organizations

- Member of the Jordanian Engineering Association (JEA)

University Committees

- Civil Engineering ABET committee, member, Applied Science University, 2016-2017.
- Civil Engineering social activities committee, member, Applied Science University, 2016-2017.
- Civil Engineering students training committee, member, Applied Science University, 2016-2018.
- Civil Engineering laboratory committee, coordinator, Applied Science University, 2017-2018.
- Civil Engineering External relation committee, member, Applied Science University, 2017-2018.
- Civil Engineering graduation projects committee, member, Applied Science University, 2017-2018.

Attended Short Courses

- Treeing of trainees (TOT), 20 hr, Jordan Engineers Association, 2016.
- Computer Aided Structural Design Using (PROKON 2007), for 27 hours in the period 13/6 – 4/7/2011, at engineers training center, Amman, Jordan.
- Primavera (first level), for 18 hours in the period 28/8 – 7/9/2010, at engineers training center, Amman, Jordan.