



Abdulrazzaq Alali Jawish Alkherret

عبدالرزاق العلي جاويش الخريط

Associate Professor - Transportation Engineering

Mobile: (+962)779917672

E-mail: a.jawesh@jpu.edu.jo

E-mail: alkherret@yahoo.com

Date of Birth: March 13, 1970

Marital Status: Married

Nationality: Syrian

Address: 21 Saleh Al-Majali St., Jubayhah, 11941 Amman, Jordan.

ACADEMIC QUALIFICATIONS

- **Ph.D. Civil Engineering “Public Works – Highways, Traffic and Airports Engineering”**
Thesis Title: “Video-Based Detection and Tracking Model for Acquiring Traffic Data”.
Cairo University, Egypt (January, 2015).
- **M.Sc. Civil Engineering “Public Works - Highway and Traffic Engineering”**
Thesis Title: “Effect of Geometric Design Elements on Operating Speed for Multilane Roads”.
Ain Shams University, Egypt (December, 2011).
- **B.Sc. Civil Engineering “Transportation Engineering”.**
Tishreen University, Syria (September, 1996).

ADMINISTRATIVE EXPERIENCE

DEAN OF FACULTY OF ENGINEERING

April 7, 2024 – Present (In addition to the teaching assignments)
Jerash University, Jordan

HEAD OF CIVIL ENGINEERING DEPARTMENT

October 11, 2022 – April 6, 2024 (In addition to the teaching assignments)
Faculty of Engineering, Jerash University, Jordan

DEAN OF FACULTY OF ENGINEERING

October 1, 2020 – September 30, 2022 (In addition to the teaching assignments)
Jerash University, Jordan

HEAD OF CIVIL ENGINEERING DEPARTMENT

June 1, 2019 - September 30, 2020 (In addition to the teaching assignments)
Faculty of Engineering, Jerash University, Jordan

SUPERVISOR OF ACCREDITATION AND QUALITY ASSURANCE OFFICE

November 1, 2016 - May 31, 2019 (In addition to the teaching assignments)
Faculty of Engineering, Jerash University, Jordan

ACADEMIC AND TEACHING EXPERIENCE

ASSOCIATE PROFESSOR

June 22, 2021– Present

Faculty of Engineering, Jerash University, Jordan

Teaching Assignments:

- Highway Geometric Design
- Highway Lab
- Pavement Design
- Road Maintenance
- Traffic Engineering
- Transportation Engineering
- Geographic Information Systems

ASSISTANT PROFESSOR

March 5, 2015 – June 21, 2021

Faculty of Engineering, Jerash University, Jordan

Teaching Assignments:

- Highway Geometric Design
- Highway Lab
- Pavement Design
- Road Maintenance
- Traffic Engineering
- Transportation Engineering
- Geographic Information Systems
- Materials Science and Engineering

ASSISTANT LECTURER

October 1, 2012 – February 26, 2015

Faculty of Engineering, Thebes Academy, Egypt (<http://www.thebesacademy.org>)

Teaching Assignments:

- Highway and Airport Engineering
- Maintenance of Highway and Airport
- Properties and Tests of Materials (I + II + III + IV)

RESEARCH ENGINEER (Civil Engineer, Graduate Student)

January 7, 2007 – September 27, 2012

Unit of Highway Engineering Consultancy, Faculty of Engineering, Ain Shams University, Egypt

Unit Projects:

- Regional road (Dahshur) a reconstruction of Greater Cairo.
- Saft El-Laban - Kerdasa device reconstruction Greater Cairo.
- Ring road expansion a reconstruction of Greater Cairo.
- Street Development Project companies Cairo Oil Refining.
- Free road project at Beni Suef - Minya 95 km long (The Military Engineers).

Unit Research:

- Asphalt mixers assessment based on the analysis of cracks resulting on thermal stress.
- Use rubble materials in asphalt mixes.
- Study and analysis of effect of gradation limits on the properties of asphalt mixers.
- Design asphalt mixes using Superior Performing Asphalt Pavement method and compares it with Marshall Method.

PUBLICATIONS

- **Automated Design and Optimization of Concrete Flexural Members Reinforced with Stainless Steel**
Automation in Construction, Under Review
- **Assessment of Knowledge Areas by Risk Severity Levels: Road Construction Contractors' View**
Management, Procurement and Law (Proceedings of the ICE), Under Review
- **Influence of Voltage on Pore Water Pressure for Soft Soil Treated with Electro-Osmosis Technique**
Diyala Journal of Engineering Sciences, Vol (16) No 2, 2023.
- **Material Waste in Construction Projects: Causes and Effects**
Journal of Southwest Jiaotong University, Volume 58 (3), June, 2023.
- **Pressure Settlement Behavior of Square Footing on Jerash Expansive Soil**
The Seybold Report Journals (TSRJ), Vol 18 No 01, 2023
- **Modeling Operating Speed on Multilane Highways Using Global Positioning System Data**
International Review of Civil Engineering (IRECE), Vol 12 No 4, July 2021.
- **Modeling the Estimation Errors of Visual-based Systems Developed for Vehicle Speed Measurement**
Int. Journal of Advanced Computer Science and Applications (IJACSA) Vol. 12, No 1; 2021.
- **Using Fine Silica Sand and Granite Powder Waste to Control Free Swelling Behavior of Expansive Soil**
Modern Applied Science Journal; Vol. 15, No. 1; 2021.
- **Factors affecting the swelling pressure for Jerash expansive soil**
Journal of Advanced Sciences and Engineering Technologies, Vol 3 No2, 25–November 2020.
- **Theoretical Analysis of Factors Affecting Ultimate Nominal Load of Reinforced Concrete Axially Loaded Short Squire Columns (Pu) Comparing use PROKON Program**
Journal of Advanced Sciences and Engineering Technologies, Vol 3 No2, 25–November 2020.
- **Building Information Modeling Strategy in Mitigating Variation Orders in Roads Projects.**
Civil Engineering Journal. Issue 10 of Volume 06, October 2020.
- **Video-Based Detection and Tracking Model for Traffic Surveillance**
TRB 94th Annual Meeting, Washington, D.C., 15-1465(B10).
- **Determining Microscopic Traffic Variables using Video Image Processing**
International Journal of Computer Applications, 104(6):10-19.
- **Speed Prediction Models for Horizontal Curves on Multilane Roads in Egypt**
Egyptian Journal of Applied Sciences, 26(3).

COMPUTER SKILLS

- All Microsoft Office Programmes (Excel, word, Access, MS Project...etc.)
- AutoCAD Civil 3D, AutoCAD 2D+3D, 3D S MAX, SAS System, Photoshop, MATLAB, and SPSS.
- Certified Trainer (part time) – Syrian Computer Society SCS, Syria.
- Certified Trainer (part time) – Youth Club for Science, Syria.
- Technical Editor - CAD, GIS, & GPS Magazine (<http://www.cadmagazine.net>)

PROFESSIONAL EXPERIENCE

DEPUTY BRANCH MANAGER of Central Roads Office in Deir-Ezzor, Syria

HEAD OF MAINTENANCE ENGINEERING AND TRAFFIC DEPARTMENT

SUPERVISING ENGINEER

December 29, 1996 - December 28, 2006

Public Establishment for Road Communications, Ministry of Transportation, Syria

Practical Duties

- Chairman of the Committee overseeing the project through the maintenance of Abu Kamal – Deir-Ezzor first phase of a length of 40 km and width of 7.6 m. The projects included removing the old layer of pavement and improve shoulders.
- Chairman of the Supervisory Committee of road maintenance in transit in the city of Deir-Ezzor a length of 14 km.
- Chairman of the Supervisory Committee of road maintenance in the town of Abu-Kamal crossing a length of 11 km.
- Chairman of the Supervisory Committee of maintenance and rehabilitation of the international road Deir-Ezzor - Damascus first phase of 62 km length of 8 meters width. The projects included removing the old layer of pavement and improve shoulders.
- Chairman of the Supervisory Committee of maintenance and rehabilitation of the international road Deir-Ezzor - Raqqa first phase length of 32 km and 7.6 m width.
- Chairman of the Committee overseeing the project to expand and improve Deir-Ezzor - Raqqa (Husseiniya) with a length of 10 km and 15 m width.
- Chairman of the Committee overseeing the implementation of expansion joints in bridges of the province of Deir-Ezzor.
- Chairman of the Supervisory Committee on the paint road and traffic safety in the province of Deir-Ezzor.
- Chairman of the Study Group for the preparation of statements of the estimated construction and maintenance of roads in the central province of Deir-Ezzor.
- Central Committee member of the declarations of road

COURSES

- MATLAB - Technical Computing, Image and Video Processing. High Technology Center, Cairo University, Cairo, Egypt (2011).
- (2780) Maintaining a Microsoft SQL Server 2005 Database. VirgiTech Corporation, Cairo, Egypt (12th April to 7th May 2008).
- (2779) Implementing a Microsoft SQL Server 2005 Database. VirgiTech Corporation, Cairo, Egypt (18th Feb. to 12th Mar. 2008).
- Querying Microsoft SQL Server 2000 with transact-SQL. VirgiTech Corporation, Cairo, Egypt (16th Aug. to 26th Aug. 2007).
- Programming with C#. VirgiTech Corporation, Cairo, Egypt (15th Jul. to 7th Aug. 2007)
- 3D Studio MAX. Rida Computer Center, Damascus, Syria (7th Dec. 1999 to 7th Feb. 2000).
- AutoCAD 2D+3D. Rida Computer Center, Damascus, Syria (26th Oct. 1998 to 26th Jun. 1999)
- Maintenance of Roads and Bridges. Ministry of Transportation, Syria (10th to 14th Mar. 2001).
- Directorate of Laboratories and Scientific Research. Ministry of Transportation, Damascus, Syria (15th Jan. to 13th Feb. 1997)