Abdulrazzaq Alali Jawish Alkherret

عبدالرزاق العلي جاويش الخريط

Assistant Professor - Highway and Traffic Engineering

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E-mail: abdulrazzaq.alkherret@jpu.edu.jo
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Address: 21 Saleh Al-Majali St., Jubayhah, 11941 Amman, Jordan.

Date of Birth: March 13, 1970
Marital Status: Married
Nationality: Syrian

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).

SCIENTIFIC RESEARCH

- *Modeling Operating Speed on Multilane Highways Using Global Positioning System Data*.
  In Press.

- *Building an 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)

WORK EXPERIENCE

DEAN OF FACULTY OF ENGINEERING
September 13, 2020 – Current (In addition to the teaching assignments)
Jerash University, Jordan

HEAD OF CIVIL ENGINEERING DEPARTMENT
June 1, 2019 - September 12, 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

ASSISTANT PROFESSOR
March 5, 2015 – Current
Faculty of Engineering, Jerash University, Jordan

Teaching Assignments:
- Highway Geometric Design
- Highway Lab
- Pavement Design
- Road Maintenance
- Traffic 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.

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.

DEPUTY BRANCH MANAGER, HEAD OF MAINTENANCE ENGINEERING AND TRAFFIC DEPARTMENT, AND SUPERVISING ENGINEER

December 29, 1996 - December 28, 1996
Public Establishment for Road Communications, 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 Bridgs. Ministry of Transportation, Syria (10th to 14th Mar. 2001).

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عبدالرزاق العلي جاويش الخريط

Abdulrazzaq Alali Jawish Alkherret

أستاذ مساعد ــ هندسة الطرق والمرور والمطارات

هاتف محمول: 779917672(962+)
البريد الإلكتروني: abdulrazzaq.alkherret@jpu.edu.jo
alkherret@yahoo.com

تاريخ الميلاد: 13 ــ مارس/آذار ــ 1970
الحالة الاجتماعية: متزوج
الجنسية: السورية

العنوان: المملكة الأردنية الهاشمية ــ عمان ــ الجبيهة ــ شارع صالح المجالي ــ عمارة رقم 21

المؤهلات العلمية

- **دكتوراه الهندسة المدنية ــ "الأشغال العامة ــ هندسة الطرق والمرور والمطارات"**
  Thesis Title: *"Video-Based Detection and Tracking Model for Acquiring Traffic Data"*.
  جامعة القاهرة ــ جمهورية مصر العربية ــ يناير/كانون الثاني، 2015

- **ماجستير الهندسة المدنية ــ "الأشغال العامة ــ هندسة الطرق والمرور والمطارات"**
  Thesis Title: *"Effect of Geometric Design Elements on Operating Speed for Multilane Roads"*.
  جامعة عين شمس ــ جمهورية مصر العربية ــ ديسمبر/كانون الأول، 2011

- **بكالوريوس الهندسة المدنية ــ "هندسة النقل والمواصلات"**
  جامعة تشرين ــ الجمهورية العربية السورية ــ سبتمبر/أيلول، 1996

الأبحاث العلمية

- *Modeling Operating Speed on Multilane Highways Using Global Positioning System Data*.
  In Press.

- *Building an 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).

مهارات الحاسوب

- 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.

  - مدرب معتمد ــ الجمعية العلمية السورية للمعلوماتية ــ سوريا

  - مدرب معتمد ــ نادي الشباب للعلوم ــ سوريا

  - محرر تقني - (http://www.cadmagazine.net) CAD, GIS, & GPS Magazine

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الخبرات العملية

عميد كلية الهندسة
September 13, 2020 – Current (In addition to the teaching assignments)
جامعة جرش – المملكة الأردنية الهاشمية

رئيس قسم الهندسة المدنية
June 1, 2019 - September 12, 2020 (In addition to the teaching assignments)
كلية الهندسة – جامعة جرش – المملكة الأردنية الهاشمية

مشرف مكتب ضمان الجودة والإعتماد
November 1, 2016 - May 31, 2019 (In addition to the teaching assignments)
كلية الهندسة – جامعة جرش – المملكة الأردنية الهاشمية

أستاذ مساعد
March 5, 2015 – Current
قسم الهندسة المدنية – كلية الهندسة – جامعة جرش – المملكة الأردنية الهاشمية

المهام التعليمية:

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

مدرس مساعد
October 1, 2012 – February 26, 2015
قسم الهندسة المدنية – كلية الهندسة – أكاديمية طيبة – جمهورية مصر العربية (http://www.thebesacademy.org)

المهام التعليمية:

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

مهندس باحث (مهندس مدني – طالب دراسات عليا)
January 7, 2007 – September 27, 2012
وحدة استشارات هندسة الطرق – كلية الهندسة – جامعة عين شمس – جمهورية مصر العربية

مشاريع الوحدة
- مشروع الطريق الاقليمى - دهشور جهاز تعمير القاهرة الكبرى
- مشروع صفط اللبن - كرداسة جهاز تعمير القاهرة الكبرى
- مشروع توسعة الدائرى - جهاز تعمير القاهرة الكبرى

البحوث التطبيقية للوحدة
- تقييم الخلاطات الأسفلتية بناءً على تحليل الشروخ الناتجة على الإجهادات الحرارية

- استخدام ركام الأنقاض في الخلطات الأسفلتية

- دراسة وتحليل حيود التدرج الحبيبي على الخلطات الأسفلتية

- تصميم خلطات الأسفلت باستخدام طريقة رصف الأسفلت فائقة الأداء ومقارنتها مع طريقة مارشال

- دراسة بحثية لاستحداث خلطات خرسانية خاصة للاستخدام السريع للممرات

December 29, 1996 - December 28, 1996

المؤسسة العامة للمواصلات الطرقية – الجمهورية العربية السورية

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.
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- 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

الدورات التدريبية

- 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).
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- 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)
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