Curriculum Vitae

Full name: Dr. Alaa Salam Shakir Al-Husainy

Date & Place of birth: 5/4/1979, Samawah/ Iraq

Marital Status: Married and have three kids

Address: Al-Elaam Quarter/ Samawah/ Iraq

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LinkedIn: Dr. Alaa Al-Husainy

ORCID ID: https://orcid.org/0000-0003-4750-6933

Web of Science Researcher ID: E-1569-2019

Education

- PhD in Structural Engineering

University of Liverpool-Liverpool, UK

May 2017.

Thesis title: "The Impact Response of Recycled Aggregate Concrete-Filled Steel Tube Columns Strengthened with CFRP"

Supervised by Dr. Z. Guan and Dr. S. Jones

- MSc. in Structural Engineering

University of Technology-Baghdad, Iraq

November 2004.

Thesis title: "Nonlinear Finite Element Analysis of Prestressed Concrete T Beams"

Supervised by Dr. I. Al-Shaarbaf

- BSc. (1st Class Hons.) in Structural Engineering

University of Technology-Baghdad, Iraq

June 2001.

Employment and work experience

1. Manager of Construction and projects dept. at Al-Muthanna University / July 2018 to present.
2. Vice chancellor for administrative and financial affairs at Al-Muthanna University / 17 November 2019 to 15 December 2019.

1. Senior lecturer works at Civil and Architectural Engineering Depts. / College of Engineering / Al-Muthanna University / August 2017 to present.
2. Structural consultant and designer, works with private and semi-governmental bureaus of consultancies and engineering design services. I designed and supervised many multi-story buildings and constructions. These constructions were performed with different functions and all of them were funded by the local government of the Al-Muthanna province, the central government in Iraq and private funding. Most of the buildings are already built and used by the beneficiaries / July 2004 to present.
3. Structural Consultant at the central laboratory of the Bureau of Scientific and Consultancy Services / College of engineering / Al-Muthanna University for steel tests, loading test, non-destructive tests of concrete and concrete core test / August 2017 to present.
4. Lecturer at Dept. of civil engineering and industrial design / School of Engineering / University of Liverpool / January 2017 to June 2017
5. Lab demonstrator at Dept. of civil engineering and industrial design / School of Engineering / University of Liverpool / September 2012 to June 2017.
6. Lab demonstrator at Dept. of mechanical and aerospace engineering / School of Engineering / University of Liverpool / September 2015 to June 2017.
7. Lecturer works at Civil Engineering Dept. / College of Engineering / Al-Muthanna University / July 2008 to June 2011.
8. Manager of the engineering affairs department / Al-Muthanna University / Iraq from March 2009 to November 2010.
9. Consultant and site engineer in the engineering affairs department / Al-Muthanna University / Iraq / August 2007 to March 2009.
10. Estimator, designer and site engineer with the Japanese's contingent in Iraq / June 2004 to May 2006.

Computer skills

ABAQUS, AutoCAD, ARCHICAD, SAP2000, SAFE2016, Revit2017, Microsoft Office Word, Excel and PowerPoint

Publications

Journal papers

1. ZW Guan, AS Al-Husainy, M Al Teneiji, QY Wang. "Concentric and Eccentric Compression Behaviour of Recycled Aggregate Concrete Filled Steel Tube Columns Strengthened with CFRP" Applied Composite Materials 29, pages983–1005 (2022).
2. Al-Rifaie, Ali, Alaa S. Al-Husainy, Tariq Al-Mansoori, and Ali Shubbar. "Flexural impact resistance of steel beams with rectangular web openings." Case Studies in Construction Materials 14 (2021): e00509.
3. Al-Rifaie, A., A. L. A. A. Al-Husainy, A. F. Dulaimi, and HAYDER K. Shanbara. "Shear performance of beam-column joints subjected to high loading rates." Journal of Engineering Science and Technology 15, no. 6 (2020): 3649-3660.
4. Guan, Z. W., A. S. Al-Husainy, Q. Y. Wang, S. W. Jones, C. Su, and L. Q. Liu. "Numerical Modeling of Recycled and Normal Aggregate CFRP-Strengthened Concrete-Filled Steel Columns Subjected to Lateral Impact." Journal of Composites for Construction 24, no. 5 (2020): 04020048.
5. Al-Mansoori, Tariq, Aysar Abdalkadhum, and Alaa S. Al-Husainy. "A GIS-Enhanced pavement management system: a case study in Iraq." journal of Engineering Science and Technology 15, no. 4 (2020): 2639-2648.
6. Al-Husainy, A. S., A. Al-Rifaie, and W. Ogaidi. "Behaviour of steel beams with circular web openings under impact loading IOP Conf." Ser. Mater. Sci. Eng 12069 (2020).
7. Al-Rifaie, Ali, Alaa S. Al-Husainy, and Hayder K. Shanbara. "Numerical study on the behaviour of end-plate beam-to-column connections under lateral impact loading." International Journal of Structural Engineering 10, no. 2 (2020): 150-173.

8. Shakir, A. S., Z. W. Guan, and S. W. Jones. "Lateral impact response of the concrete filled steel tube columns with and without CFRP strengthening." Engineering structures 116 (2016): 148-162.

Confernce papers

1. Al-Husainy, A.S., Al-Rifaie, A. and Ogaidi, W., 2020, July. Behaviour of steel beams with circular web openings under impact loading. In IOP Conference Series: Materials Science and Engineering (Vol. 888, No. 1, p. 012069). IOP Publishing.
2. Shakir, A.S., Guan, Z.W. and Jones, S.W., 2015. The Compression Behaviour of Concrete Filled Steel Tube Columns: Experimental and Numerical Investigation. The 3rd international conferenece on advances in civil, Structural and Mechanical Engineering (CSM), Birmingham, UK**.**
3. Shakir, A.S., Guan, Z.W. and Jones, S.W., 2014. Nonlinear finite element analysis of concrete filled steel tube (CFST) columns under projectile impact loading. In Vol. 1 of Proc., The 5th International Conference on Computational Methods (ICCM), Cambridge, UK, pp. 476-485**.**

Workshops and training courses

- "Intoduction for using Civil 3D software" (Al-Muthanna University-2019)
- "Introduction for using MS project software" (Al-Muthanna Univeristy-2018)
- "Effective tools and strategies for time management and note management" (Liverpool-2016).
- "Effective tools and strategies for enterprises and projects management" (Liverpool-2016).
- "Demonstrator Training" (University of Liverpool-2012).
- "Laser safety" seminar (Univeristy of Liverpool-2012).
- "Basic radiation protection and working safely with radioactivity" (University of Liverpool-2012).
- "Advanced training skills workshop" (Iraq-2009 by the RTI).

- "RTI national in-process review and GIS training workshop" (Iraq-2008 by the RTI).

Awards

- "The best paper awared" for the paper titled "Nonlinear Finite Element Analysis of Concrete Filled Steel Tube (CFST) Columns Under Projectile Impact Loading" which was presneted at the 5th interntional confernce on computational mechanics, Cambridge, England, 2014.
- "Award of Excellence" for the lecturing at the training and development course (Reinforced Concrete Design) for 76 Engineers by the Provincial Reconstrctution Team (PRT) Muthanna 2009.

Membership

- Member of the Iraqi Engineers Union.

Language

Arabic (native)
English (fluent)

Appendix A

A-1 List of the project (Structural design and / or evaluation)

1. Structural evaluation and treatment for the prestressed girders of the railway birdge for Samawah-Hajama project in Al Muthanna province.
2. Structural evaluation of the concrete cores test for the prestressed girders of the railway birdge for for Samawah-Hajama project in Al Muthanna province**.**
3. Structural evaluation of the foundations of the trasmission towers for Minsity of Electricity-Iraq in Al Muthanna province.
4. Structural design of the buildings and civil works of the 400/132/11 kV GIS substation / South of Nassiriya in Nassiriya province.
5. Structural evalution and treatment of private school in Samawah city.
6. Structural design of Nassiriya municipality building in Nassiriya city.
7. Structural design of the steel gate for the north entrance of Nassiriya province (Samawah-Nassirya).
8. Structural design of superstrctures of Al-Shuhadaa Bridge in Samawah city.
9. Structural design of Engineering college at Al-Muthanna university in Samawah city.
10. Structural design of Educational college at Al-Muthanna university in Samawah city.
11. Structural design of Law college at Al-Muthanna university in Samawah city.
12. Structural design of Medical college at Al-Muthanna university in Samawah city.
13. Structural design of sport hall at Al-Muthanna university in Samawah city.
14. Structural design of Students center at Al-Muthanna university in Samawah city.
15. Structural design of teachers apartments at Al-Muthanna university in Samawah city.
16. Structural design of Agriculture college at Al-Muthanna university in Samawah city.
17. Structural design of Electrical Engineering dept. at Al-Muthanna university in Samawah city.

18. Structural design of Students accommodations at Al-Muthanna university in Samawah city.
19. Structural design of teachers houses at Al-Muthanna university in Samawah city.
20. Structural evaluation and treatment of the rehabilitation of medical college at Al-Muthanna university in Samawah city.
21. Structural design of Central library at Al-Muthanna university in Samawah city.
22. Structural treatment of rehabilitation of childeren hospital in Samawah city.
23. Structural treatment of rehabilitation of Nashaa medical center in Al Muthanna province.
24. Structural design of medical consulting building in Samawah city..
25. Structural design of private hospital building in Samawah city.
26. Structural design of general lab building in Samawah city.
27. Structural design of thalassemia center building in Samawah city.
28. Structural design of burns treatment center building in Samawah city.
29. Structural design of the civil works for Rumiatha corniche in Rumiatha city.
30. Structural design of Ganara market in Rumiatha city.
31. Structural design of Aum Salama School in Samawah city.

A-2 List of the project (Supervisoion)

1- Al Amaal residential complex in Basrah city for 14 months.
2- Different projects in Al-Muthanna University for 38 months.
3- The main gate project for the north entrance of Nassiriya city for 6 months.
4- The main fence projects for Uruk ruins in Warkaa city for 4 months.
5- Different schools and medical centers projects with Japanese's contingent for 25 months.

السيرة الذاتية

الاسم الكامل: علاء سلام شاكر الحسيني

محل وتاريخ الولادة: السماوة في ١٩٧٩

الحالة الزوجية: متزوج ولدي ثلاثة أطفال

عنوان السكن الدائم: حي الاعلام/ السماوة/ المثنى

الايميل الرسمي: a.alhusainy@mu.edu.iq / alaaalhusainy5479@yahoo.com

التحصيل الدراسي

١- دكتوراه هندسة انشائية من جامعة ليفربول في المملكة المتحدة ٢٠١٧

٢- ماجستير هندسة انشائية من الجامعة التكنولوجية في بغداد ٢٠٠٤

٣- بكالوريوس هندسة بناء وانشاءات من الجامعة التكنولوجية في بغداد ٢٠٠١ (مرتبة الشرف الأولى).

اللقب العلمي: أستاذ مساعد في ٢٠٢٠/١١/١

التاريخ الوظيفي والخبرة العملية والمناصب الإدارية

١- مدير قسم الاعمار والمشاريع منذ ٢٠١٨/٦/٢٧ ولغاية الان.

٢- مساعد رئيس الجامعة للشؤون الإدارية والمالية للفترة من ٢٠١٩/١١/١٧ ولغاية ٢٠١٩/١٢/١٥.

٣- مقرر قسم هندسة العمارة للفترة من ٢٠١٧/٧/١٧ ولغاية ٢٠١٨/٦/٢٧.

٤- تدريسي بلقب أستاذ مساعد في قسم هندسة العمارة وقسم الهندسة المدنية منذ ٢٠٢٠/١١/١ ولغاية الان.

٥- تدريسي بلقب مدرس في قسم هندسة العمارة وقسم الهندسة المدنية للفترة من ٢٠١٧/٨/١ ولغاية ٢٠٢٠/١١/١.

٦- استشاري ومصمم انشائي في المكتب الاستشاري في جامعة المثنى وقمت بتصميم العديد من الأبنية والمنشاءات في عدد من محافظات العراق والكثير من هذه المنشاءات مشيدة حاليا حيث تم تمويلها من قبل الحكومات المحلية في المحافظات والحكومة المركزية في بغداد للفترة من ٢٠٠٤/٧ ولغاية الان.

٧- استشاري انشائي في المختبر المركزي التابع لمكتب الخدمات العلمية والاستشارية في كلية الهندسة/ جامعة المثنى منذ ٢٠١٧/٨ ولغاية الان.

٨- محاضر في قسم الهندسة المدنية والانشاء الصناعي في جامعة ليفربول في المملكة المتحدة للفترة من ٢٠١٧/١ ولغاية ٢٠١٧/٦.

٩- مدرس مساعد في مختبرات كلية الهندسة في جامعة ليفربول للفترة من ٢٠١٢/٩ ولغاية ٢٠١٧/٦.

١٠-تدريسي بلقب مدرس مساعد في كلية الهندسة / جامعة المثنى للفترة من ٢٠٠٧/٧ ولغاية ٢٠١١/٦.

١١-مدير قسم الشؤون الهندسية في جامعة المثنى للفترة من ٢٠٠٩/٣ ولغاية ٢٠١٠/١١.

١٢-عضو نقابة المهندسين العراقيين منذ ٢٠٠١ ولغاية الان.

اللغات

العربية والانجليزية

مهارات الحاسوب

اجيد العمل على البرامج الهندسية والفنية المبنية في ادناه

اباكوس، اوتوكاد، اركي كاد، ساب ٢٠٠٠، سيف ٢٠١٦، ريفت ٢٠١٨، وبرامج الأوفيس.

تقييم الرسائل والبحوث:

قمت بتقييم عشرات البحوث المحلية والعالمية لمجلات محلية وعالمية معتبرة بالإضافة الى تقييم ومناقشة عدد من رسائل الماجستير في بعض الجامعات العراقية.

البحوث المنشورة

لدي أكثر من ١٢ بحث منشور وقيد البحث في مجلات عالمية مصنفة في المستوعبات العالمية المعتبرة وحسب القائمة المبينة في ادناه اضافة الى حضوري لعدد من المؤتمرات العالمية والمحلية.

Journal papers

9. ZW Guan, AS Al-Husainy, M Al Teneiji, QY Wang. "Concentric and Eccentric Compression Behaviour of Recycled Aggregate Concrete Filled Steel Tube Columns Strengthened with CFRP" Applied Composite Materials 29, pages983–1005 (2022).

10. Al-Rifaie, Ali, Alaa S. Al-Husainy, Tariq Al-Mansoori, and Ali Shubbar. "Flexural impact resistance of steel beams with rectangular web openings." Case Studies in Construction Materials 14 (2021): e00509.
11. Al-Rifaie, A., A. L. A. A. Al-Husainy, A. F. Dulaimi, and HAYDER K. Shanbara. "Shear performance of beam-column joints subjected to high loading rates." Journal of Engineering Science and Technology 15, no. 6 (2020): 3649-3660.
12. Guan, Z. W., A. S. Al-Husainy, Q. Y. Wang, S. W. Jones, C. Su, and L. Q. Liu. "Numerical Modeling of Recycled and Normal Aggregate CFRP-Strengthened Concrete-Filled Steel Columns Subjected to Lateral Impact." Journal of Composites for Construction 24, no. 5 (2020): 04020048.
13. Al-Mansoori, Tariq, Aysar Abdalkadhum, and Alaa S. Al-Husainy. "A GIS-Enhanced pavement management system: a case study in Iraq." journal of Engineering Science and Technology 15, no. 4 (2020): 2639-2648.
14. Al-Husainy, A. S., A. Al-Rifaie, and W. Ogaidi. "Behaviour of steel beams with circular web openings under impact loading IOP Conf." Ser. Mater. Sci. Eng 12069 (2020).
15. Al-Rifaie, Ali, Alaa S. Al-Husainy, and Hayder K. Shanbara. "Numerical study on the behaviour of end-plate beam-to-column connections under lateral impact loading." International Journal of Structural Engineering 10, no. 2 (2020): 150-173.
16. Shakir, A. S., Z. W. Guan, and S. W. Jones. "Lateral impact response of the concrete filled steel tube columns with and without CFRP strengthening." Engineering structures 116 (2016): 148-162.

Confernce papers

4. Al-Husainy, A.S., Al-Rifaie, A. and Ogaidi, W., 2020, July. Behaviour of steel beams with circular web openings under impact loading. In IOP

Conference Series: Materials Science and Engineering (Vol. 888, No. 1, p. 012069). IOP Publishing.

5. Shakir, A.S., Guan, Z.W. and Jones, S.W., 2015. The Compression Behaviour of Concrete Filled Steel Tube Columns: Experimental and Numerical Investigation. The 3rd international conferenece on advances in civil, Structural and Mechanical Engineering (CSM), Birmingham, UK.
6. Shakir, A.S., Guan, Z.W. and Jones, S.W., 2014. Nonlinear finite element analysis of concrete filled steel tube (CFST) columns under projectile impact loading. In Vol. 1 of Proc., The 5th International Conference on Computational Methods (ICCM), Cambridge, UK, pp. 476-485.

الدورات التدريبية والورش والندوات

حضرت وشاركت في العديد من الدورات والورش والندوات داخل وخارج العراق

١- دورة حساب الكميات والمساحة في جامعة المثنى.

٢- دورة برنامج إدارة مدة المشاريع في جامعة المثنى.

٣- دورة الإدارة الاستراتيجية للوقت في جامعة ليفربول.

٤- دورة الأدوات الفعالة في إدارة المشاريع في جامعة ليفربول.

٥- دورة المدرسين المساعدين في جامعة ليفربول.

٦- دورة الحماية اثناء العمل في المواد المشعة في جامعة ليفربول.

٧- دورة مهارات التدريب المتقدمة في العراق.

٨- دورة نظم المعلومات الجغرافي في العراق.

٩- دورة طرائق التدريس في جامعة المثنى.

١٠-دورة كفاءة الحاسوب في جامعة المثنى.

الجوائز

١- جائزة أفضل بحث منشور في المؤتمر العالمي الذي عقد في مدينة كامبردج في إنكلترا.

٢- جائزة التميز لتدريب أكثر من ٧٦ مهندس في مختلف دوائر الدولة في محافظة المثنى.