

Curriculum Vitae

Kasim A. AlOmari

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EDUCATION

Oregon State University/School of Civil and Construction Engineering

- 2017 **Ph.D.** **Corvallis, OR, USA**
 - **Major:** Construction Engineering Management
 - **Minor:** Statistics

Oregon State University/School of Civil and Construction Engineering

- 2016 **Master of Engineering** **Corvallis, OR, USA**

University of Technology / Department of Building and Construction Engineering

- 2002 **Master of Science** in Civil Engineering **Baghdad, Iraq**

University of Technology / Department of Building and Construction Engineering

- 1999 **Bachelor of Science** in Civil Engineering. **Baghdad, Iraq**

WORK EXPERIENCE

- ❖ **Associate Professor** – University of ThiQar / College of Engineering (Iraq)
2021 – Present
- ❖ **Assistant Professor** – University of ThiQar / College of Engineering (Iraq)
2017 – 2021
- ❖ University of ThiQar / College of Engineering / Civil Eng. Department
 - ✓ 2019 – 2021, Department **Head**
 - ✓ 2018 – 2019, Department **Head Assistant** for Graduate Affairs
- ❖ Oregon State University/School of Civil and Construction Engineering (USA)
 - ✓ 2015 – 2017 Graduate Teaching Assistant (**GTA**)
- ❖ University of ThiQar / College of Engineering (Iraq)
 - ✓ 2007 – 2012 **Instructor** – Civil Engineering Department
 - ✓ 2008 – 2009 **Director** – Engineering Consultant Bureau
- ❖ University of Technology / Department of Building and Construction Engineering
 - ✓ 2002 – 2007 **Instructor**
 - ✓ 2003 – 2004 **Director** – Remote Sensing Lab.
- ❖ Sunshine Rivers Construction Company SRCC (Iraq)
 - ✓ 2005 – 2006 **Director**

- ❖ Parsons Corporation
 - ✓ 2004 – 2005 **Inspector Engineer** at BHE Project (Iraq)

PUBLICATIONS

Published

❖ **Journals (Peer Reviewed)**

1. Gambatese, J. and **Alomari**, K. (2016). Degrees of Connectivity: Systems Model for Upstream Risk Assessment and Mitigation. *Accident Analysis and Prevention Journal*. Volume 93, Pages 251–259.
2. **Alomari**, K. Gambatese, J. and Anderson, J. (2017). Opportunities for Using Building Information Modeling (BIM) to Improve Worker Safety Performance. *Safety Journal*, MDPI. 3, 7.
3. **Alomari**, K. Gambatese, J., and Tymovis, N. (2018). Risk Perception Comparison among Construction Safety Professionals: Delphi Perspective. *J. Constr. Eng. Manage.*, 144(12).
4. **Alomari**, K. and Gambatese, J. Nnaji, Ch., & Tymvios, N. (2020). Impact of Risk Factors on Construction Worker Safety: A Delphi Rating Study Based on Field Worker Perspective. *Arab J Sci Eng.*, Springer Nature.
5. Muttashar, M.; **Alomari**, K.; and Al-Umar, M. (2020) Influence of Waste Rubbers Particle Size as Partial Substitution with Coarse Aggregate on Compressive property and water absorption ratio of Concrete.
6. Al-Asadi, A. K.; Muttashar, M.; and **Alomari**, K. (2020). Effects of impulsive loading and deformation damage on reinforced concrete slabs during building construction. *Periodicals of Engineering and Natural Sciences (PEN)*, Vol 8, No 4.
7. **Alomari**, K.; Abdulridha, N. A.; Al-Bayati, A. J.; and Muttashar, M. (2020). Occupational safety basics understanding in oil and gas industry: An evaluation. *Periodicals of Engineering and Natural Sciences (PEN)*, Vol 8, No 4.
8. Al-Bayati, A. J.; Hassan, R. A.; and **Alomari**, K. (2020). Implementing a TQM Framework for Public Services in Iraq: An Exploratory Study. *Practice Periodical on Structural Design and Construction (ASCE)*.

9. Mohsin, H. R.; Mashrei, M.; and **Alomari**, K. A. (2020). Prediction of Shear Strength of CFRP-Reinforced Concrete Beams using Soft Computing Technique. Solid State Technology, Pennwell Corporation.
10. Hanan, A. K., Muttashar, M., and **Alomari**, K. (2021). Flexural performance of RC beams reinforced with different types of grids.
11. Mahdi, A., **Alomari**, K., and Naser, I. (2021). Development the Quality Management System in Construction Central Laboratory of the Engineering Consulting Bureau in Engineering College / Thi Qar University according to International Standard (ISO 17025).

❖ **Conferences (Peer Reviewed)**

12. **Alomari**, K. and Gambatese, J. (2015). Ironworker Perspectives on Accident Causes and Improving Safety Planning. CIB conference, Ireland, UK.
13. **Alomari**, K. and Gambatese, J. (2016). Degrees of Connectivity Impact on Construction Workers. Construction Conference Congress, Puerto Rico, USA.
14. **Alomari**, K. and Gambatese, J. (2016). The Role of BIM and 3D Laser Scanning on Jobsites from the Perspective of Construction Project Management Personnel. Construction Conference Congress, Puerto Rico, USA.
15. Karakhan, K., Gambatese, J., **Alomari**, K., and Lu, D. (2018) Consideration of Worker Safety in the Design Process: A Statistical Examination Using Analysis of Variance (ANOVA). Construction Conference Congress, USA.
16. **Alomari**, K. and Gambatese, J. and Albyati, A. J. (2019). Exponential random graph models: A promising tool for construction safety research. *CSCE/CRC International Construction Specialty Conference. Greater Montreal Area, Canada.*
17. **Alomari**, K., Gambatese, J., and Gerkey, D. and Albyati, Ahmed. (2019). Analyzing Hazardous Interactions on Construction Jobsites Using Social Network Analysis. *CSCE/CRC International Construction Specialty Conference. Greater Montreal Area, Canada.*
18. Albyati, A. and **Alomari**, K. (2019). Construction Stakeholders' Perception toward the Success Factors of Construction Projects. *CSCE/CRC International Construction Specialty Conference. Greater Montreal Area, Canada.*

19. Oleiwi, Gh.; Aodah, H. H.; Al-Obaidy, N. K.; and **Alomari**, K. (2020). A Critical Review of Subgrade Soil Reinforced with Geo-synthetics. 2nd International Scientific Conference of Engineering Sciences (ISCES 2020) 16th-17th December 2020, Diyala, Iraq.

In Review

20. **Alomari**, K.; Gambatese, J. (202X). Quantification Risk Factors for the Degrees of Connectivity Model.
21. **Alomari**, K., Gambatese, J. and Gerkey, D. (202X). Social Network Analysis in Construction Health and Safety Research: A Review.
22. **Alomari**, K., McLaughlin, R. K., Gambatese, J., and Anderson, J. C. (202X). Using ERGMs to Analyze Direct and Indirect Construction Jobsite Interactions.
23. **Alomari**, K.; Gambatese, J., and Anderson, J. (202X). Construction worker and engineer's attitudes in construction risk ratings.

In Progress

24. **Alomari**, K. (202X). Construction risk exploration: A dynamic network analysis.
25. **Alomari**, K.; Esmailie, B.; Gambatese, J. (202X). Construction safety in Iraq: why it is lagging?
26. **Alomari**, K. (202X). Construction work disputes in Iraq: A quick review.

POSTERS

- **Alomari**, K. and Gambatese, J. (2017). Degrees of Connectivity: A New Accident Causation Model. Graduate Research Showcase at Oregon State University.
- **Alomari**, K. and Gambatese, J. (2016). Why Accidents Happen on Construction Jobsite? Research Forum organized by the Black Graduate Student Association/ OSU.
- **Alomari**, K. and Gambatese, J. (2015). Degrees of Connectivity Impact on Construction Worker Safety. Graduate Research EXPO, Portland, OR.

Graduate Students

- Rustom, H., **MS**, Structural Engineering, (*Minor supervisor*) – 2018 / 2020
- Hanan, A., **MS**, Structural Engineering, (*Minor supervisor*) – 2018 / 2020
- Sa'adon, A., **MS**, Structural Engineering, (*Minor supervisor*) – 2019 / 2021

HONORS AND AWARDS

- **2017**, ASSE Columbia-Willamette Chapter Scholarship for academic excellence and leadership.
- **2012**, Doctoral Study scholarship, Higher Committee for Education Development in Iraq, Prime Minister Office.
- **2008**, Instructor of the year / Civil Engineering DEPT / Engineering College – University of ThiQar.

PROFESSIONAL REGISTRATION & MEMBERSHIP

- Member, Union of Iraqi Engineers, (No. 89010) 1999 - date
- Member, Union of Arab Engineers 2011 - 2013
- American Society of Safety Engineers (ASSE) 2015 – date
- American Society of Civil Engineers (ASCE) 2015 – date
- Construction Management Association of America (CMAA) 2016 – 2018
- System Dynamics Society 2015 – 2018

TEACHING EXPERIENCE

2002 – 2007 (Instructor)

- Surveying Engineering
- Building health Services

2007 – 2012 (Instructor)

- Project Management
- Engineering Economy

2015 – 2017 (GTA)

- CEM 381 Structures I **Spring 2015**
- CEM 343 Construction Planning & Scheduling **Fall 2015, Fall 2016, Fall 2017**
- CEM 407 Seminar **Fall 2015**
- CCE 424/524 Contracts and Specifications **Winter 2016, Spring 2017**
- CEM 341 Construction Estimating I **Spring 2016**
- CEM 441/541 Heavy Civil Eng. **Winter 2017**

2018 – 2021 (Instructor)

- Project Management
- Engineering Statistics
- Engineering Economy
- Research Methodology
- Professional Ethics