

- **Journal Papers:**

1. M. Mrad, **K. S. Al-Gahtani**, R. Hulchafo, N. Souayah and K. Bamatraf, "Risk Assessment for Discrete Stochastic Time-Cost-Quality Trade-Off Problem Using Simulation-Based Integer Linear Programming Approach," in *IEEE Access*, vol. 7, pp. 32453-32463, 2019. doi: 10.1109/ACCESS.2019.2903229
2. Ibrahim A. Alsulahi, **Khalid S. Al-Gahtani**, Abdullah M. Alsugair, Aref A. Abadel, "Systematic approach for assessing the sustainability of Buildings using Building Information Modeling", *International Journal of Advances in Mechanical and Civil Engineering*, Volume-5, Issue-3, Jun.-2018, ISSN: 2394-2827
3. Saud Alshammari, **Khalid Al-Gahtani**, Ibrahim Alhammad and Nuhu Braimah, "A Systematic Method to Analyze Force Majeure in Construction Claims", *Buildings* 2017, 7(4), 115 (5 December 2017).
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5. Al-Sulahi, I. A, **Khalid S. Al-Gahtani**, Abdullah M. Al-Sugair and Mohamed Marzouk (2017). "Developing a rating system for sustainable office buildings using Simos' procedure", *Journal of engineering research*, Vol.5, No. (1), pp 59-88.
6. Marzouk, Mohamed, Eslam Mohammed Abdelkader, and **Khalid Al-Gahtani**. "Building information modeling-based model for calculating direct and indirect emissions in construction projects." *Journal of Cleaner Production*, Vol.152 (20 May 2017): pp 351-363.
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8. **Al-Gahtani, K.**, Alsulahi, I., El-Hawary, M., & Marzouk, M., "Investigating sustainability parameters of administrative buildings in Saudi Arabia", *Technological Forecasting and Social Change*, Volume 105, April 2016, pages 41–48
9. **Al-Gahtani, K.**, Al-Sulahi, I., Al Rashed, R., & Batarfi, A., "Key Performance Indicators for Value Management in Saudi Construction Industry", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, ISSN 2319 – 4847, November 2015, Volume 4, Issue 11, 54-62.
10. Ibrahim Al-Sulahi, **Khalid Al-Gahtani**, Abdullah Alsugair and Ibrahim Tijani. "Assessing Indoor Environmental Quality of Educational Buildings Using BIM" *Journal of Environmental Science and Engineering B*, 4 (2015), 451-458, doi:10.17265/2162-5263/2015.08.006
11. Al-Sulahi, I., Al-Sugair, A., **Al-Gahtani, K.**, "Framework for Evaluating the Sustainability of Buildings' Design in Saudi Arabia Using Building Information Modeling", *International Journal of Structural Analysis & Design– IJSAD*, Volume 2: Issue 1, April 2015, [ISSN : 2372-4102]
12. Mohamed M. Marzouk, Mohamed Hisham, and **Khalid S. Al-Gahtani**; "Applications of bridge information modeling in bridges life cycle"; *Smart Structures and Systems*, Vol. 13, No. 3, March, 2014, ISSN: 1738-1584 (Print), 1738-1991 (Online).

13. Hany Abd Elshakour M., Ibrahim A. Al-Sulaihi, **Khalid S. Al-Gahtani**, and Naief Turki Ibn-Homaid; "Benchmarking Framework for Performance of Construction Companies in Saudi Arabia"; *Jokull journal*, Volume. 64, Issue. 3, March, 2014; ISSN: 0449-0576.
14. **Khalid S. Al-Gahtani**, Ibrahim A. Al-Sulaihi, Saad Al-Shihri, Mohammed Al-Rsheed; "Investigation into Sustainability in Saudi Construction Industry"; *Pensee Journal* (ISSN: 0031-4773) Vol. 76, Issue. 1, January 2014.
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18. **Khalid S. Al-Gahtani**, "Addressing Scheduling Software for Analyzing Delay Claim," *International Journal of Engineering and Technology*, vol. 4, no. 4, ISSN: 1793-8244, pp. 471-474, 2012.
19. **Al-Gahtani, Khalid S.** and Mohan, Satish B; "Delay Analysis Techniques Comparison", *Journal of Civil Engineering and Architecture*, ISSN 1934-7359, USA, Aug. 2011, Volume 5, No. 8 (Serial No. 45), pp. 740-747.
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21. **Al-Gahtani, Khalid S.**; "Float Allocation using Total Risk Approach", *American Society of Civil Engineering, ASCE, Journal of Construction Engineering and Management*, Vol. 135, No. 2, February 2009.
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- **Conference Papers:**

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2. Ammar M. Saud, **Khalid S. Al-Gahtani**, Ibrahim A. Alhammad, and Ghasan A. Alfalah4, "Systematic Approach of Selecting Building Materials Using Value Engineering Concept", International Conference on Advances in Structural and Geotechnical Engineering, ICASGE'19, Hurghada, Egypt, 25-28 March 2019.

3. Mrad, M., **Al-Gahtani, K.**, & Hulchafo, R., "Time-Cost-Quality Trade-Off Problem Using Simulation-Based Integer Linear Programming Optimization Model: (Selection of Feasible Construction Projects at The Early Phase)". Ninth International Conference On Science, Technology, Engineering and Management 2017 (ICSTEM 2017), (pp. 25-30). Dubai
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6. Marzouk Mohamed, Gamal Ibrahim, **Al-Gahtani Khalid**, "Tracking Indoor Air Quality of Buildings using BIM", ICSC15 - Canadian Society for Civil Engineering Construction Specialty Conference, the University of British Columbia, Vancouver, June 7 to 10, 2015
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11. Alsehaimi, Abdullah; **Al-Gahtani, Khalid**, "Improving Construction Management Practices: Call for New Research Approach", 18<sup>th</sup> International ICE-Conference on Engineering, Technology and Innovation, 18 - 20 June 2012, Munich, Germany.
12. **Al-Gahtani, Khalid S.**, "Addressing Scheduling Software for Analyzing Delay Claim", 2010 International Conference on Construction and Project Management, Chengdu, China, November 16-18, 2010.
13. Aldusari, Abdulaziz N. and **Al-Gahtani, Khalid S.** "Utilizing Architectural Identity in Conveying Riyadh Techno Valley's Values", 20<sup>th</sup> Biennial Congress & General Assembly, "Leadership for Innovation", Dubai institute of Technology (DIT), Dubai, United Arab Emirates, October 11-14, 2010.
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  17. **Al-Gahtani, Khalid S.** and Taher, Khalid A.; "Analysis of Construction Delay Responsibilities using Expert System" *4<sup>th</sup> Saudi Engineering Conference, Riyadh, Saudi Arabia, December 2007 (Arabic Language).*
  18. **Al-Gahtani, Khalid S.**; "Risk Assessment for Scheduling Acceleration" AACE international transaction, Nashville, TN – July 2007.
  19. **Al-Gahtani, Khalid S.** and Mohan, Satish B; "Total Float Management for Delay Analysis", AACE international transaction, New Orleans – June 2005.
  20. Mohan, Satish B and **Al-Gahtani, Khalid S.**; "Current Delay Analysis Techniques and Improvements", AACE international transaction, New Orleans – June 2005.

- **Conference, Forum, and Lecture Presentation:**

1. **Al-Gahtani, Khalid S.**, "Application of Building Information Modeling on Civil Engineering", Department of Civil Engineering, College of Engineering, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia, 17 November, 2019.
2. **Al-Gahtani, Khalid S.**, "Education Endowment Investment in Saudi Universities: King Saud University Model", Forum of Endowments Role in Supporting and Financing Education, the Education Council, Muscat, Sultanate of Oman, 23 November, 2019
3. Al-Sulahi, Ibrahim A., and **Al-Gahtani, Khalid S.**, "Using BIM for Sustainable design", The First Prince Sultan University BIM Forum, Riyadh, Prince Sultan University, 25 December 2017.
4. **Al-Gahtani, Khalid S.**, "World endowment experiences and the experience of King Saud University." Associate Conference with Jazan University-seventh book exhibition, Gazan, Saudi Arabia, 28 Jun- 8 July 2017.
5. **Al-Gahtani, Khalid S.**, "Successful experiences in investment between public universities and the private sector." The Fifth Saudi Conference on Project Management (Managing of public-private projects), Saudi Council of Engineers, Riyadh, Saudi Arabia, 4-5 May 2016.
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10. **Al-Gahtani, Khalid S**, “Construction Delay Analysis Techniques at Civil Engineering Department”, Construction Engineering and Management Division – Purdue University, West Lafayette, Indian, USA – August 2014.
11. **Al-Gahtani, Khalid S**, “Role of Saudi Universities in Preparing Project managers”, The 3rd Project Management Conference, organized by Saudi Council of Engineering.16-19 April, 2011.

- **Book**

1. **Al-Gahtani, Khalid S**. "Construction Delay Analysis Techniques, Technique Comparison, Float Analysis, and IT Solution", LAP LAMBERT Academic Publishing, ISBN-13:978-3-8433-5070-9, 2010.
2. Levin, Paul, "Construction Contract Claims, Changes & Dispute Resolution", ASCE, ISBN-10: 0784402760, June 1998, Translated to Arabic by **Al-Gahtani, Khalid S**. King Saud University Publisher, 2011.