

- **Journal Papers:**

1. 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).
2. **Khalid Al-Gahtani**, Ibrahim Alsulaihi, Mohamed Ali and Mohamed Marzouk (2017). Production of Green Concrete using Recycled Waste Aggregate and Byproducts. Built Environment Project and Asset Management, In press.
3. Al-Sulaihi, 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.
4. 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.
5. **Al-Gahtani, K. S.**, AlSulaihi, I. A., & Iqupal, A., “Total Float Management: Computerized Technique for Construction Delay Analysis”, *Canadian Journal of Civil Engineering*, 2016, Vol.43 No. (5), pp 391-401.
6. **Al-Gahtani, K.**, Alsulaihi, 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
7. **Al-Gahtani, K.**, Al-Sulaihi, 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 (IJAIEEM)*, ISSN 2319 – 4847, November 2015, Volume 4, Issue 11, 54-62.
8. Ibrahim Al-Sulaihi, **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
9. 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]
10. 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).
11. 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.

12. **Khalid S. Al-Gahtani**, Ibrahim A. Al-Sulahi, Saad Al-Shihri, Mohammed Al-Rsheed; "Investigation into Sustainability in Saudi Construction Industry"; *Pensee Journal* (ISSN: 0031-4773) Vol. 76, Issue. 1, January 2014.
13. **Khalid S. Al-Gahtani**, Ibrahim A. Al-Sulahi; "Systematic Approach to Analyze Change Order and Delay Claim"; *Pensee Journal* (ISSN: 0031-4773) Vol 64, No. 3, March 2014.
14. Ali, H., Al-Sulahi, I., and **Al-Gahtani, K.** "Indicators for Measuring Performance of Building Construction Companies in Kingdom of Saudi Arabia." *Journal of King Saud University - Engineering Sciences*, Volume 25, Issue 2, July 2013, Pages 125–134.
15. **Khalid S. Al-Gahtani**, "Risk Assessment for Scheduling Acceleration", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, vol.2, no. 2, ISSN: 2319 - 4847, February 2013.
16. **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.
17. **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.
18. **Al-Gahtani, Khalid S.**, "Method for integrating EVM with Delay Analysis Technique", *Canadian Journal on Environmental, Construction and Civil Engineering*, AM Publisher, Vol. 2, No. 1, January 2011, Pages: 80-88.
19. **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.
20. **Al-Gahtani, Khalid S.** and Mohan, Satish B.; "Total Float Management for Delay Analysis", *Cost Engineering*, Vol. 49, No. 02, AACE International, Morgantown, WV, Feb. 2007
21. Mohan, Satish B and **Al-Gahtani, Khalid S.**; "Current Delay Analysis Techniques and Improvements", *Cost Engineering*. Vol. 48, No. 09, AACE International, Morgantown, WV, Sep. 2006.

- **Conference Papers:**

1. 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
2. Al-Sulahi, I., **Al-Gahtani, K.**, Al-Sugair, A., "Toward Developing a Systematic Approach for Assessing Green Buildings in Saudi Arabia Using BIM." "7th SAUDI GREEN BUILDING FORUM, 17-19 October, 2016
3. AlSulahi, I., **Al-Gahtani, K.**, Al-Sugair, A., Tijani, I. (2015). "Framework for Assessing the Indoor Environmental Quality for Educational Buildings using

- BIM” 2nd International Workshop on Civil Engineering and Architecture, IWCEA-2015, Istanbul, 12-13 Sep. 2015.
4. 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
  5. Mohamed Marzouk, Mahmoud Metawie, Mohamed Hisham, Ibrahim Al-Sulahi, Mohab Kamal and Khalid Al-Gahtani. “Modeling Sustainable Building Materials in Saudi Arabia.” ICCCB/ASCE/CIB W078 International Conference, June 23-25, 2014.
  6. Al-Sulahi, I., Al-Sugair, A., **Al-Gahtani, K.**, “Framework for Evaluating the Sustainability of Buildings’ Design in Saudi Arabia Using Building Information Modeling” Proc. of the Second Intl. Conf. on Advances In Civil, Structural and Environmental Engineering- ACSEE 2014, Zurich, Switzerland, 25 – 26 October 2014.
  7. **Al-Gahtani, K.**, Al-Sulahi, I., Alsehaimi, A. “Responsibility of Nonworking Days in Analyzing Delay claim”, AACE's 2013 Annual Meeting, AACE international, CDR-1353, 30 June-3 July 2013, Washington, DC, USA
  8. Mohamed Marzouk, Mohamed Hisham, Mohamed Elsheikh, **Khalid Al-Gahtani**. Building Information Model for selecting environmental building materials. 7th international structural Engineering and construction conference. Honolulu, Hawaii, USA, Jun 18-23 2013.
  9. 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.
  10. **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.
  11. 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.
  12. **Al-Gahtani, Khalid S.** and Ghani, Syed Raiyan; "Knowledge management Tools: Adaption in Construction Management", Second International Conference on Engineering Systems Management and its Applications “ICESMA’10”, American University of Sharjah, United Arab Emirates, March 30 – April 1, 2010, IEEE Conferences, ISBN: 978-1-4244-6520-0.
  13. Al-Harkan, Ibrahim M., **Al-Gahtani, Khalid S.** and Chavez, Raul S.; "Role of Engineering Management in Gulf State Countries", Second International Conference on Engineering Systems Management and its Applications “ICESMA’10”, American University of Sharjah, United Arab Emirates, March 30 – April 1, 2010, IEEE Conferences, ISBN: 978-1-4244-6520-0.

14. **Al-Gahtani, Khalid S.** and Mohan, Satish B; "Delay Analysis Techniques Comparison", *Fifth International Conference on Construction in the 21st Century (CITC-V)*, May 20-22, 2009, Istanbul, Turkey.
15. **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)*.
16. **Al-Gahtani, Khalid S.**; "Risk Assessment for Scheduling Acceleration" AACE international transaction, Nashville, TN – July 2007.
17. **Al-Gahtani, Khalid S.** and Mohan, Satish B; "Total Float Management for Delay Analysis", AACE international transaction, New Orleans – June 2005.
18. Mohan, Satish B and **Al-Gahtani, Khalid S.**; "Current Delay Analysis Techniques and Improvements", AACE international transaction, New Orleans – June 2005.

- **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.

- **Graduation Projects:**

- Ph.D. Dissertation – A comprehensive construction delay analysis technique: Enhanced with a float ownership concept, 2006.
- Master theses – Construction Delay Claim Analysis by using Expert System, Dec 1999.
- 4th Year senior project – An Intelligent Bid Evaluations System, June 1994.

- **Conference Presentation:**

1. **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.
2. **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.
3. **Al-Gahtani, Khalid S.**, "King Saud University investments toward achieving the Kingdom vision 2030." Exhibition and International Conference on Higher Education, Ministry of education, Riyadh, Saudi Arabia, 12-13 April 2016.
4. **Al-Gahtani, Khalid S.**, "The role of university endowments in advancing the international universities." Investment and finance of educational buildings conference, Ministry of education, Riyadh, Saudi Arabia, 10-11 Jan 2016.

5. **Al-Gahtani, Khalid S**, “Construction Delay Analysis Techniques”, The 4th Project Management Conference, organized by Saudi Council of Engineering, 28-29 April, 2015.
6. **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.