

REFERENCES

- Alreshidi, E., Mourshed, M., & Rezgui, Y. (2017). Factors for effective BIM governance. *Journal of Building Engineering*, 10, 89–101.
- Babbie, E. (2021). *The practice of social research* (15th ed.). Cengage Learning.
- Bandara, D., Jayasena, H. S., & Sandanayake, M. (2024). Advancing digital technology adaptation in Sri Lankan construction: Barriers and drivers. In *Proceedings of CIOB World Construction Summit* (pp. 1–9).
- Bryman, A., & Bell, E. (2015). *Business research methods* (4th ed.). Oxford University Press.
- Central Bank of Sri Lanka. (2025). *Economic and sectoral review* [Report]. Central Bank of Sri Lanka.
- Cheung, S. O., & Yiu, T. W. (2006). *Construction dispute research*. Springer.
- Cheung, S. O., & Yiu, T. W. (2020). Artificial intelligence applications in construction dispute resolution. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 12(3), 04520018.
- Creswell, J. W. (2014). *Research design: Qualitative, quantitative, and mixed methods approaches* (4th ed.). Sage Publications.
- Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3), 319–340.
- DiMaggio, P. J., & Powell, W. W. (1983). The iron cage revisited: Institutional isomorphism and collective rationality in organizational fields. *American Sociological Review*, 48(2), 147–160.
- Elliott, F. (2024). Artificial intelligence and construction dispute resolution: Emerging legal challenges and opportunities. *Construction Law Journal*, 40(2), 89–104.
- Fenwick Elliott. (2023). Artificial intelligence and construction law: Implications for dispute resolution. *Construction Law Review*, 39(4), 201–215.
- Fenwick Elliott. (2024, February 15). AI is about to completely change construction law. <https://www.fenwickelliott.com/research-insight/annual-review/2023/ai-change-construction-law>
- Fernando, M. (2021). Assessing the state of artificial intelligence in the construction industry: Opportunities and challenges. *World Journal of Advanced Research and Reviews*, 12(4), 45–62.
- Francis, M., Perera, S., Zhou, W., & Nanayakkara, S. (2025). Artificial intelligence applications for proactive dispute management in construction. *International Journal of Engineering and Innovation Management*.

- GlobeNewswire. (2023). ING publishes 2023 Annual Report. June 7, 2023. GlobeNewswire by Notified. Retrieved from <https://kommunikasjon.ntb.no/2023/annual-report-globenewswire>
- Gunawardena, T., & Perera, B. (2022). Digital transformation in construction: Barriers and enablers in the Sri Lankan context. *Engineering, Construction and Architectural Management*, 29(10), 3058–3075. <https://doi.org/10.1108/ECAM-04-2021-0307>
- Hirusheekesan, S. (2023). Usage of digital twin technology for sustainable construction. In *World Construction Symposium 2023*.
- Jayasena, H. S., & Weddikkara, C. (2013). Assessing the BIM maturity in a BIM infant industry. In *Proceedings of the Second World Construction Symposium 2013: Socio Economic Sustainability in Construction* (pp. xx–xx), Colombo, Sri Lanka, June 14–15, 2013.
- Karunaratne, S. (2025). Construction sector gains momentum, but relief delay stalls broad recovery. *Lanka News Web*. <https://lankanewsweb.net/archives/131977/sl-construction-sector-gains-momentum-but-relief-delay-stalls-broad-recovery/>
- Khosrowshahi, F., & Arayici, Y. (2012). Roadmap for implementation of BIM in the UK construction industry. *Engineering, Construction and Architectural Management*, 19(6), 610–635. <https://doi.org/10.1108/09699981211277531>
- Liu, Y., Wang, J., & Zhang, H. (2024). AI-powered document management in construction projects: Enhancing decision-making and dispute resolution. *Automation in Construction*, 148, 104846. <https://doi.org/10.1016/j.autcon.2023.104846>
- Ministry of Technology, Sri Lanka. (2024). *Artificial intelligence in Sri Lanka: White paper*. <https://mot.gov.lk/assets/files/AI%20White%20Paper%20March%202024-c09aa49f7990358ad1442103b804511d.pdf>
- Meyer, J. W., & Rowan, B. (1977). Institutionalized organizations: Formal structure as myth and ceremony. *American Journal of Sociology*, 83(2), 340–363.
- Moore, G. C., & Benbasat, I. (1991). Measuring perceptions of adopting an IT innovation. *Information Systems Research*, 2(3), 192–222.
- Nunnally, J. C., & Bernstein, I. H. (1994). *Psychometric theory* (3rd ed.). McGraw Hill.
- Oesterreich, T., & Teuteberg, F. (2016). Understanding Industry 4.0 in construction. *Automation in Construction*, 71, 31–41.
- Oshodi, O. S., Aigbavboa, C. O., & Thwala, W. D. (2023). Artificial intelligence adoption in construction dispute resolution: A developing country perspective. *International Journal of Construction Management*. <https://doi.org/10.1080/15623599.2023.2198456>
- Oshodi, O. S., Dada, M. O., & Ndibualonwu, J. (2023). Artificial intelligence applications in construction dispute management: Opportunities and implementation barriers.

-
- Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 15(2), 04022067. [https://doi.org/10.1061/\(ASCE\)LA.1943-4170.0000593](https://doi.org/10.1061/(ASCE)LA.1943-4170.0000593)
- Philip Lee LLP. (2025). AI in construction disputes. <https://www.philiplee.ie/ai-in-construction-disputes/>
- Perera, S., Vithanage, M., Francis, M., & Nanayakkara, S. (2020). Artificial intelligence applications in construction project management: A systematic review. *World Journal of Advanced Research and Reviews*, 9(3), 45–62.
- Perera, S., Nanayakkara, S., Rodrigo, J., Senaratne, S., & Weinand, F. (2020). Blockchain technology: Is it hype or real in the construction industry? *Automation in Construction*, 119, 103345. <https://doi.org/10.1016/j.autcon.2020.103345>
- Putera, N. S. F. M. S. (2021). Artificial intelligence for construction dispute resolution: Justice of the future. *International Journal of Law in the Built Environment*.
- RICS. (2025). *Artificial intelligence in construction report 2025*. Royal Institution of Chartered Surveyors. <https://www.rics.org/news-insights/artificial-intelligence-in-construction-report>
- Rogers, E. M. (2003). *Diffusion of innovations* (5th ed.). Free Press.
- Russell, S., & Norvig, P. (2021). *Artificial intelligence: A modern approach* (4th ed.). Pearson.
- Saudi Vision 2030. (2024). *National initiatives for AI adoption in construction*. Ministry of Technology.
- Saunders, M., Lewis, P., & Thornhill, A. (2019). *Research methods for business students* (8th ed.). Pearson.
- Scott, W. R. (2004). *Institutions and organizations* (3rd ed.). Sage.
- Surden, H. (2014). Machine learning and law. *Washington Law Review*, 89, 87–115.
- Thomas, H. R., & Napolitan, C. L. (1995). Effects of changes on productivity. *Journal of Construction Engineering and Management*, 121(3), 290–296.
- Venkatesh, V., & Davis, F. D. (2000). A theoretical extension of TAM: Four longitudinal field studies. *Management Science*, 46(2), 186–204.
- Zakeri, M., Mahmoudian, M., & Ghoddousi, P. (2021). Factors affecting the motivation of Iranian construction operatives. *Journal of Construction Engineering and Management*, 147(3), Article 04020102. [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001985](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001985)
- Zepth. (2024). AI in construction dispute resolution: A new era. <https://www.zepth.com/ai-in-construction-dispute-resolution/>
-

BIBLIOGRAPHY

- Abioye, S. O., Oyedele, L. O., et al. (2021). AI in construction: Status, opportunities, challenges. *Journal of Building Engineering*, 44, 103299.
- Aletras, N., Tsarapatsanis, D., Preoțiu Pietro, D., & Lampos, V. (2016). Predicting ECtHR decisions. *PLOS ONE*, 11(7), e0178984.
- Assaf, S. A., & Al Hejji, S. (2006). Causes of delay in large projects. *International Journal of Project Management*, 24(4), 349–357.
- Darko, A., Chan, A. P. C., et al. (2017). BIM adoption: Critical analyses. *International Journal of Construction Management*, 17(4), 215–230.
- Doshi Velez, F., & Kim, B. (2017). Towards a rigorous science of interpretable machine learning. *Preprint*.
- Eastman, C., Teicholz, P., Sacks, R., & Liston, K. (2018). *BIM handbook* (3rd ed.). Wiley.
- Elkhoury, R. (2025). Alternative dispute resolution in construction: The rise of AI, expedited arbitration, and digital platforms. <https://www.elkhoury.law/construction-law-blog/alternative-dispute-resolution-in-construction-the-rise-of-ai-expedited-arbitrati>
- European Commission High Level Expert Group on AI. (2019). *Ethics guidelines for trustworthy AI*.
- FIDIC. (2017). *Conditions of contract for construction* (Red Book). FIDIC.
- Fenn, P., Lowe, D., & Speck, C. (1997). Conflict and dispute in construction. *Construction Management and Economics*, 15(6), 513–518.
- Field, A. (2013). *Discovering statistics using IBM SPSS* (4th ed.). Sage.
- Floridi, L., et al. (2018). AI4People Ethical framework for a good AI society. *Minds and Machines*, 28(4), 689–707.
- Guidotti, R., Monreale, A., et al. (2018). Explaining black box models. *ACM Computing Surveys*, 51(5), Article 93.
- Gunning, D., & Aha, D. (2019). DARPA's Explainable AI (XAI). *AI Magazine*, 40(2), 44–58.
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2010). *Multivariate data analysis* (7th ed.). Pearson.
- ISO. (2018). ISO 19650 1: Organization and digitization of information using BIM Part 1. ISO.
- Katsh, E., & Rabinovich Einy, O. (2017). *Digital justice: Technology and the Internet of disputes*. Oxford University Press.

- Katz, D. M., Bommarito, M. J., & Blackman, J. (2017). Predicting the U.S. Supreme Court. *PLOS ONE*, 12(4), e0174698.
- Keane, P. J., & Caletka, A. F. (2015). *Delay analysis in construction contracts* (2nd ed.). Wiley Blackwell.
- Parliament of Sri Lanka. (1995). Arbitration Act No. 11 of 1995.
- Parliament of Sri Lanka. (2014). Construction Industry Development Act No. 33 of 2014
- Regona, M., Yigitcanlar, T., Xia, B., & Li, R. Y. M. (2022). Opportunities and adoption challenges of artificial intelligence in the construction industry. *Automation in Construction*, 134, 104099. <https://doi.org/10.1016/j.autcon.2021.104099>
- Rudin, C. (2019). Stop explaining black boxes in high stakes decisions. *Nature Machine Intelligence*, 1(5), 206–215.
- Schmitz, A. J., & Rule, C. (2017). *The new handshake: ODR and the future of consumer protection*. American Bar Association.
- Semple, C., Hartman, F., & Jergeas, G. (1994). Construction claims and disputes. *Journal of Construction Engineering and Management*, 120(4), 785–795.
- Tabachnick, B. G., & Fidell, L. S. (2013). *Using multivariate statistics* (6th ed.). Pearson.
- Venkatesh, V., Morris, M., Davis, G., & Davis, F. (2003). User acceptance of information technology: Toward a unified view. *MIS Quarterly*, 27(3), 425–478.