

INFORMATION SYSTEMS in CONSTRUCTION PROJECTS MANAGEMENT

ISTANBUL TECHNICAL UNIVERSITY
INSTITUTE OF SCIENCE AND TECHNOLOGY

BUILDING SCIENCE PhD PROGRAM

RECOMMENDED READINGS

1. Breuer, J., & Fischer, M., "Managerial Aspects of Information Technology Strategies for A/E/C Firms", *Journal of Management in Engineering*, 10 (4), 52-62, (1994).
2. Elzarka, M. H., Bell, C. L., Object-Oriented Methodology for Materials-Management System, *Journal of Construction Engineering and Management*, 121 (4), December, 645-658, (1991).
3. Fischer, M., & Kunz, J., The circle: Architecture for Integrating Software, *Journal of Computing in Civil Engineering*, 9 (2), 122-132, (1995).
4. Luiten, T., & Tolman, F.P., Automating Communication in Civil Engineering, *Journal of Construction Engineering and Management*, 123 (2), 113-120, (1997).
5. McLeod, R., Jr., *Computer Based Information Systems*, McMillan Pub.Co., A.B.D., (1993), pp:57.
6. Mokhtar, A., Bedard, C., & Fazio, P., Information Model for Managing Design Changes in a Collaborative Environment, *Journal of Computing in Civil Engineering*, 12 (2), 82-92, (1998).
7. Parker, C.S., *Management Information Systems: Strategy & Action*, Mc Graw-Hill Publishing Comp., Singapore, (1989), pp: 217-263.
8. Platt, D.G., Building Process Models for Design Management, *Journal of Computing in Civil Engineering*, 10 (3), 194-203, (1996).
9. Rao, G.N., Grobler, F. & Ganeshan, R., Interconnected Component Applications for AEC Software Development, *Journal of Computing in Civil Engineering*, 11 (3), 154-164, (1997).
10. Ward, J., Griffiths, P., *Strategic Planning for Information Systems*, John Wiley & Sons, New York, (1997), pp: 19.
11. Abudayyeh, O., Rasdorf, W., Design of Construction Industry Information Management Systems, *Journal of Construction Engineering & Management*, 117 (4), December, 698-715, (1991).
12. Barton, P., *Information Systems in Construction Management*, Batsford, London, (1985).
13. Betts, M., Cher, L., Mathur, K., Ofori, G., Strategies for the Construction Sector in the Information Technology Era, *Construction Management & Economics*, 9, 509-528, (1991).
14. Laudon, K. C., & Laudon, J. P., *Management Information Systems: Organization and Theory*, Prentice Hall, New Jersey, (1996).
15. Logcher, R., Knowledge Processing for Construction Management Data Base, *Journal of Construction Engineering & Management*, 115 (2), June, 196-211, (1989).
16. Sanvido, V.E., Site Level Construction Information System, *Journal of Construction Engineering & Management*, 118 (4), December, 701-715, (1992).
17. Teicholz, P., Strategy for Computer Integrated Construction Technology, *Journal of Construction Engineering & Management*, 120 (1), March, 117-131, (1994).
18. Williams, T.P., Applying Portable Computing and Hypermedia to Construction, *Journal of Management in Engineering*, 10 (3), May/June, 41-45, (1994).
19. Ahmad, I.U., Russell, J.S., & Zeid, A.A., Information technology (IT) and Integration in the Construction Industry, *Construction Management and Economics*, 13 (2), 163-171, (1995).

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20. K. C. Laudon, *Management Information Systems: Organization and Technology*, Prentice Hall, 1996.
21. J. Ward, P. Griffiths, *Strategic Planning for Information Systems*, John Wiley and Sons, 1996.
22. K. Sanders, Digital Architect, *The Digital Architect; A Common-Sense Guide to Using Computer Technology in Design Practice*, John Wiley & Sons, New York.
23. Baldwin, A.N., Austin, S.A., Hassan, T.M. and Thorpe, A. (1999) 'Modeling information flow during the conceptual and schematic stages of building design', *Construction Management and Economics*, Vol. 17, pp. 155-167.
24. Eldin, N. (1991) 'Management of engineering/design phase', *Journal of Construction Engineering and Management*, ASCE, Vol. 117, No. 1, pp. 163-175.
25. Tippett, D.D. and LaHoud, P. (1999) 'Managing computer-aided civil engineering design services', *Journal of Management in Engineering*, ASCE, Vol. 15, No. 2, pp. 63-70.
26. Mokhtar, A., Bedard, C. and Fazio, P. (1998) 'Information model for managing design changes in a collaborative environment', *Journal of Computing in Civil Engineering*, ASCE, Vol. 12, No. 2, pp. 82-92.
27. Kanoglu, A. (2000) "[Integrated design of an automation system to solve cost estimation problems in design phase](#)", *Proceedings of CIT 2000 – The CIB-W78, IABSE, EG-SEA-AI International Conference on Construction Information Technology*, Reykjavik, Iceland, pp. 513-524. [PDF]
28. Kanoglu, A., and Arditi, D. (2001) "[A Computer-Based Information System for Architectural Design Offices](#)," *Construction Innovation (formerly International Journal of Construction Information Technology (JCIT))*, Vol.1, No.1, March 2001, pp.15-29. [PDF]
29. Kanoglu, A. (2001) "[MITOS: Multi-phase Integrated Automation System for Building Production Process](#)," *Proceedings of 2nd Worldwide ECCE Symposium: Information and Communication Technology (ICT) in the Practice of Building and Civil Engineering*, organized by European Council of Civil Engineers (ECCE), Technical Research Centre of Finland (VTT), and Association of Finnish Civil Engineers (RIL), Espoo, Finland. [PDF]
30. Kanoglu, A., and Ercoskun, K., (2002) "[Unification as a standardization tool in the design of information systems and a unified project model: MITOS](#)", *The European Conference of Product and Process Modeling (ECPPM) 2002: eWork and eBusiness in AEC*, Portoroz, Slovenia. [PDF]
31. Andresen, J. et al., (2000) "[A Framework for Measuring IT Innovation Benefits](#)", available at <http://itcon.org/2000/4/>. [PDF]
32. Sun, M., and Aouad, G., (1999) "[Control Mechanisms for Information Sharing in an Integrated Construction Environment](#)". [PDF]