

References

- Aouad,G.F, Kirkham,J.A, Brandon, P.S, Brown,F.E, Cooper,G.S, Ford,S, Oxman, R.E, Sarshar, M,and Young, B (1993), “ Information modelling in the construction industry: The information engineering approach”, *Construction Management and Economics*, Vol.11, pp 384-397.
- Barrie, D.s, Paulson B.C (1992), “Professional Construction Management”, 3rd ed. , McGraw-Hill International, Highs town.
- Bjork, B.C (1992), “ A Unified Approach for Modelling Construction Information”, *Building and Environment*, Vol. 27, pp 173-94.
- Borland, J (2001),“Cost, Schedule, and Resource Control”, <http://www.Calpoly.edu/jborland>.
- Boussabaine,A.H (1991), “ An expert system prototype for construction planning and productivity analysis”, PhD Dissertation.
- Boussabaine,A.H and Elhag, T.M.S (1999), “A Neuro-fuzzy Model for predicting cost and duration of construction projects”, EPSRC research report-phase(2), School of Architecture and Building Engineering, The University of Liverpool,
- Boussabaine,A.H and Elhag, T (1999), “Applying Fuzzy technique to cash flow analysis”, *Construction Management and Economics*, vol. 17, pp 745-755
- Braae, M and Rutherford, D.A (1978), “Fuzzy relations in a control setting” , *Kybernets*, Vol.07 (03), pp 185-188.
- Chandran, A and Hastak, M (2001), “Database Approach to Construction Data Management”, *Proceedings of the First International Structural Engineering and Construction Conference (ISE-01)*, Honolulu, Hawaii,
- Chen, C, Udo-Inyang, P.D, and Schmitt, F.C (1994), “ Integration of a Database Management System amd s Knowledge-Based Expert System in Construction:AREview”, <http://asceditor.unl.edu/archives/1994/chen94.htm>.

- Clough R.H, Sears G.H (1997), "Construction Project Management", 3rd edition, John Wiley & sons, New York.
- Elhag, T.M.S and Boussabaine,A.H (1999), "Factors affecting cost and duration of construction projects", EPSRC research report-phase(1), School of Architecture and Building Engineering, The University of Liverpool.
- Elinwa, A.U and Joshua, M (2001), "Time-Overrun factors in Nigerian construction industry", *Journal of Construction Engineering and Management*, Vol.127 (05), pp 419 –425.
- Elzarka, H (2001), *Computer Integrated Construction for Small and Medium Contractors, ASC Proceedings of the 37th Annual conference*, pp 255-262.
- Fayek, A.R, and Sun, Z. (2001), "A fuzzy expert system for design performance prediction and evaluation". *Canadian Journal of Civil Engineering*, Vol. 28 (1), pp 1-25.
- Fayek,A.R (2001), " Activity-Based Job Costing for Integrating Estimating, Scheduling, and Cost control" , *Cost Engineering*, Vol. 43 (08), pp 23-32.
- Froese, T (1999), " Industry Foundation Classes for Project Management – A Trial Implementation", <http://itcon.org/1999/2>
- Froese,T, Rankin,J, and Yu,K (1997) "Project Management Application Models And Computer-Assisted Construction Planning In Total Project Systems," *International Journal of Construction Information Technology*, Special Issues on Integrated Environments, Vol. 5, (01), pp.39-62.
- Harris,F and McCaffer,R (1989), "Modern Construction Management", 3rd ed., BSP Professional books, Oxford.
- Hegazy, T and Ersahin, T (2001), "Simplified Spreadsheet Solution I: Sub contractor Information System", *Journal of construction Engineering and Management*, Vol. 127(06), pp 461-468

- Hendrickson, C.T, and Au, T (1989), "Project Management for construction; Fundamental concepts for owners, engineers, architects, and builders", Prentice-Hall, Englewood cliffs, NJ.
- Ibbs, C.W, Ashley, D.B, Neil, J.M, and Feiler, F.W (1987), "An implementation strategy for improving project control system", Project controls: Proc. Specialty Conf., ASCE, New York, N.Y, pp 101 -112.
- Kang, L.S (1998), "Information Management to Integrate Cost and Schedule for Civil engineering Projects", *Journal of Construction Engineering and Management*, Vol. 124(05), pp 381-389.
- Karaa, F.A and nasr, A.Y (1986), "Resource Management in Construction", *Journal of Construction Engineering and Management*, Vol 112(03), pp 346-356.
- Karim, A. and Adeli, H. (1999), "CONSCOM: An OO Construction Scheduling and Change Management System," *Journal of Construction Engineering and Management*, ASCE, Vol. 125, (05), pp. 368-376.
- Kerzner, H (1998), "Project Management", 6th ed., John Wiley & sons, New York.
- Kim, K, Kim, J.J and Ahn, B.J (1999), "Collaborative Construction Planning data Model For Cost Estimation, Scheduling and Cost Control Systems", *International Journal of Computer Integrated Design And Construction (CIDAC)*, Vol.01 (01), pp 49-60.
- Kodikara, G.W and McCaffer, R (1993), "Flow of estimating data in Sri Lankan building contractor organizations", *Construction Management and Economics*, Vol. 11, pp 341-346.
- Lam, K.C, So, A.T, Hu, T, Thomas, N.G, Yuen, R.K.K, Lo, S.M, Cheung, S.O and Yang, H (2001), "An integration of the fuzzy reasoning technique and the fuzzy optimization method in construction project management decision-making", *Construction Management and Economics*, Vol. 19, pp 63-76.
- Lee, C.C (1991), "Fuzzy logic control systems: Fuzzy logic controller", *IEEE transactions on Systems, Man, and Cybernetics*, Vol. 20 (02), pp 404-434.

- Li, H (1996), "Selecting KBES development techniques for applications in the construction industry", *Construction Management and Economics*, Vol. 14 (01), pp 67-74.
- Malek, M(2000), "An Application of fuzzy modeling in construction engineering", *ASC Proceeding of the 36th Annual Conference*, pp 287-304.
- McCarthy, W.E., Rockwell ,S.R. and Armitage,H, (1994),"A Structured Methodology for the Design of Accounting Transaction System in a Shared Data Environment" , M.Sc thesis, Michigan State University.
- Mezher,T.M and Tawil, W (1998), "Causes of delays in the construction industry in Lebanon", *Engineering, Construction and Architectural Management*, Vol.5 (03), pp 252-260.
- Odeh, A.M and Battaineh,H.T (2002), "Causes of construction delay: traditional contracts", *International Journal of Project management*, Vol. 20 , pp 67-73.
- Perera, A.A.D.A.J (2001), "Management Information Systems for contractors", *Transactions 2001, The Institution of Engineers Sri Lanka*, pp 102-111
- Rao,G N, Grobler,F and Ganashen,R (1997), " Interconnected component applications for AEC software development", *Journal of Computing in Civil Engineering*, Vol.12(02), pp 82-92
- Rasdorf, W.J and Abudayyah O.Y (1991), "Cost and Schedule – Control Integration: Issues and Needs", *Journal of Construction Engineering and Management*, Vol 117(03), pp 486-501.
- Russell,A and Froese,T (1997), "Challenges and a Vision For Computer-Integrated Management Systems For Medium-Sized Contractors," *Canadian Journal of Civil Engineering*, Vol. 24, (02), pp.180-190.
- Sears, G, (1981). "CPM/COST: An Integrated Approach.", *Journal of the Construction Division*, ASCE, Vol. 107, pp 227-239.

- Shen, L.Y, Sun, C.S and Wang, Y.W (2002), " IT application to construction project management", [http:// www](http://www).
- Shi, H (1998), " Database Management System Modeling for Construction Project Cost and Time Data Process, MSc thesis, Department of Architectural Engineering, Michigan State University
- Staub, S and Fischer, M (1999), " The Practical Needs of Integrating Scope, Cost and Time", *8th International conference on Durability of Building Materials and Components*, Vancouver, Canada.
- Suckarieh, G (1984), "Construction Management Control with Micro computer", *Journal of Construction Engineering and Management*, Vol.11 (01), pp 72-78.
- Sun, M and Aouad, G (1999), " Control Mechanism for Information Sharing in an Integrated Construction Environment", [http:// itcon.org](http://itcon.org)
- Syal, M and Kakakhel, A (1999) , "Integration of project cost estimate and project Time schedule: A Project Breakdown Structure Approach", PhD Thesis, Construction Management, Michigan state University, USA
- Tah, J.H.M and Carr, V (2000), " A proposal for construction risk assessment using fuzzy logic", *Construction management and Economics*, Vol.18, pp 491-500
- Teicholz, P.M (1987), "Current needs for cost control systems", *Project controls: Proc. Specialty Conf., ASCE, NewYork, N.Y* , pp 47-57.
- Thomas, N.G.S , Luu, D.T, Chen, S.E and Lam, K.C (2002), "Fuzzy membership functions of procurement selection criteria", *Construction Management and Economics*, Vol. 20, pp 285-296.
- Turban .E. and Aronson .J.E.(2001), "Decision Support Systems and Intelligent Systems", 6th ed. , Prentice-Hall International, Inc. USA.
- Wong, A (1993), " Integrated Construction project management for Hong Kong Contractors, [http:// home.bre.poly.edu.hk/bskdwong](http://home.bre.poly.edu.hk/bskdwong)