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Published Refereed Research Papers

- Love, P.E.D. and Edwards, D.J. (2012) Curbing rework in offshore projects: systemic classification of risks with dialogue and narratives, Structure and Infrastructure Engineering: Maintenance, Management, Life-Cycle Design and Performance, DOI: 10.1080/15732479.2012.667419
- Hollyhead, A, Edwards, D.J. and Holt, G.D. (2012) The Use of Virtual Learning Environment (VLE) and Social Network Site (SNS) hosted forums in higher education: A Preliminary Examination, Industry and Higher Education, Vol 26, No 5, pp 369–379 DOI: 10.5367/ihe.2012.0115
- E. Badu, D.J. **Edwards, D.J.** Owusu-Manu, (2012) Trade Credit and Supply Chain Delivery in the Ghanaian Construction Industry: Analysis of Vendor Interactions with Small to Medium Enterprises, Journal of Engineering, Design and Technology, Vol. 10, No. 3, pp.360 379

DOI: 10.1108/17260531211274729

- Owusu-Manu, D., Badu, E., Edwards, D. J. and Holt, G. D. (2012) Analysis of Strategic Issues Underpinning the Innovative Financing of Infrastructure within Developing Countries, ASCE Journal of Construction, Engineering and Management, DOI: 10.1061/(ASCE)CO.1943-7862.0000641
- Owusu-Manu, D, Badu, E, **Edwards, D.J.,** Adesi, M. and Holt, G.D. (2012) Conceptualisation of the Consultancy Pricing Paradox, Structural Survey, Vol. 30, No. 4, pp. 357 – 378.

DOI:10.1108/02630801211256706

- Badu, E, Edwards, D.J. Owusu-Manu, D. and Brown, M. (2012), Barriers To The Implementation Of Innovative (If) Of Infrastructure, Journal Of Financial Management Of Property And Construction, Vol. 17, No. 3. pp.253 - 273 DOI: <u>10.1108/13664381211274362</u>.
- Holt, G. D. and Edwards, D. J. (2012) An Analysis of UK Plant and Machinery Sales Using Graphical and Correlational techniques, ASCE *Journal of Construction, Engineering and Management* DOI: 10.1061/(ASCE)CO.1943-7862.0000584
- Love, P.E.D., Lopez, R. Edwards, D.J. and Goh, Y. (2012) Systemic Modelling of Design Errors in Social Infrastructure Projects. Accident Analysis and Prevention 48 pp. 100– 110. DOI: 10.1016/j.aap.2011.02.027
- Ofori-Boadu, A. N., Owusu-Manu, D., Edwards, D.J, and Holt, G.D. (2012) Exploration of Management Practices for LEED Projects: Lessons from Successful Green Building Contractors, Structural Survey, Vol. 30, No. 2 pp. 145 – 162.
 DOI: 10.1108/02630801211228743
- Love, P.E.D., Niedzwiecki, M. Bullen, P.A. and Edwards, D.J. (2012). Achieving the Green Building Council of Australia's World Leadership Rating in an Office Building in Perth. ASCE Journal of Construction, Engineering and Management 138(5), pp. 652-661. DOI: 10.1061/(ASCE)CO.1943-7862.0000461
- Holt, G.D. and Edwards, D.J. (2012) Innovation or Business Survival? A Qualitative, Preliminary Study of Construction Plant Supply Chains, Construction Innovation, Vol. 12, No. 1, pp 99-122.
 DOI: 10.1108/14714171211197526

Page 1 of 12

- Love, P.E.D. Edwards, D.J., Irani, Z., and Sharif, A. (2012). Participatory Action Research Approach to Public Sector Procurement Selection. ASCE Journal of Construction, Engineering and Management, 138(3), pp.311-322.
 DOI: 10.1061/(ASCE)CO.1943-7862.0000440
- Love, P.E.D, Edwards, D.J., and Irani, Z. (2012) Moving Beyond Optimism Bias and Strategic Misrepresentation: An Explanation for Social Infrastructure Project Cost Overruns. IEEE Transactions on Engineering Management, Vol. 59, No. 4, pp 560 - 571 DOI: 10.1109/TEM.2011.2163628
- Badu, E., Owusu-Manu, D., Edwards, D. J. and Holt, G. D. (2011) Innovative Financing (IF) of Infrastructure Projects in Ghana: Conceptual and Empirical Lessons, Engineering Project Organization Journal, Vol. 1, No. 4, pp 255-268
 DOI: 10.1080/21573727.2011.597744
- Owusu-Manu, D., Badu, E. and Edwards, D.J. (2011) A New Paradigm for Interdisciplinary Postgraduate Education: The Development of a Procurement Management Framework in Ghana, Industry and Higher Education. Vol. 25, No. 4, pp. 289-305. DOI: 10.5367/ihe.2011.0053
- Love, P.E.D., Edwards, D.J., and Irani, Z. (2011) Dynamics of Rework in Offshore Complex Hydrocarbon Projects. ASCE Journal of Construction Engineering and Management, Vol. 137, No. 12, pp 1060-1070 DOI: 10.1061/(ASCE)CO.1943-7862.0000377
- Riaz, Z, Edwards, D.J., Thorpe, A. and Holt, G.D. (2011) Data Flow Analysis of Plant and Equipment Health and Safety Management, Journal of Engineering Design and Technology, Vol. 9, No.2, pp 178-203. ISSN: 1726-0531 DOI: 10.1108/17260531111151069
- Edwards, D. J. and Holt, G. D. (2011). Mini-Excavator Safety: Toward Innovative Stability Testing, Procurement, and Manufacture. ASCE Journal of Construction Engineering and Management, Vol. 137, No. 12, pp 1125-1133, DOI:10.1061/(ASCE)CO.1943-7862.0000383
- Love, P.E.D., Edwards, D.J., Goh, Y.M., Han, S. (2011) Design error reduction: Toward the effective utilization of building information modeling, Research in Engineering Design (NL 2*), Vol. 22, Issue 3 (2011), Page 173-187 DOI: 10.1007/s00163-011-0105-x
- Love, P.E.D., Ellis, J., Edwards, D.J. and Irani, Z. (2011) Champions of Practice: Context and Habitus for Unbounded Learning in Construction Projects. Facilities, Vol. 29, No. 5/6, 193-208. ISSN: ISSN: 0263-2772 DOI: 10.1108/02632771111120510
- Love, P.E.D., Davis, P.R., Chevis, R., and Edwards, D.J. (2011). Risk/reward compensation models in alliances for the delivery of civil engineering infrastructure projects. ASCE Journal of Construction Engineering and Management, 137(2),pp.127-136.
 DOI 10.1061/(ASCE)CO.1943-7862.0000263)
- Love, P.E.D., Edwards, D.J., and Wood, E. (2011) Loosening the Gordian Knot: The Role of Emotional Intelligence, Construction. Engineering and Architectural Management, Vol. 18., No. 1, pp 50-65. ISSN: 0969-9988
 DOI 10.1108/09699981111098685
- Riaz, Z., **Edwards, D. J.** and Holt, G. D. (2010). Data flow and 'constant comparison' analysis of plant and equipment H&S management processes. International Journal of Project Planning and Finance, Vol. 1, No. 1, pp 125-154
- Edwards, D. J. and Holt, G. D. (2010). Cost-effective risk assessment of hand-arm vibration exposure, Journal of Financial Management of Property and Construction, Vol.15, No. 2, pp 158-175.
 DOI: 10.1108/13664381011063449
- Lopez, R., Love, P.E.D., Edwards, D.J. and Davis, P.R. (2010) Design Error Classification, Causation, and Prevention in Construction Engineering, ASCE Journal of Performance of Constructed Facilities, Vol. 24, No. 4, pp 399–408.
 DOI: 10.1061/(ASCE)CF.1943-5509.0000116

- Edwards D. J. and Holt, G. D. (2010). Case study analysis of construction excavator H&S overturn incidents. Engineering, Construction and Architectural Management, Vol. 17, No. 5, pp.493 - 511 DOI: 10.1108/09699981011074583
- Edwards, D. J. and Holt, G. D. (2010). Analysis of Hand-arm Vibration Risk to Highway Utilities Maintenance and Repair Operatives. Automation in Construction, Vol. 19, No. 5, pp 580-587.

DOI:10.1016/j.autcon.2010.02.002

Love, P.E.D. Edwards, D.J. and Irani, Z. (2010) Work Stress, Support, and Mental Health in Construction. ASCE Journal of Construction, Engineering and Management, Vol. 136, No. 6, pp 650-658.

DOI: 10.1061/(ASCE)CO.1943-7862.0000165

Edwards, D. J. and Holt, G. D. (2010). Case Study Analysis of Risk from Using Excavators as 'Cranes'. Automation in Construction. Vol. 19, No. 2, pp 127-133 ISSN: 0926-5805(print).

DOI: 10.1016/j.autcon.2009.12.013.

- Love, P.E.D. Edwards, D.J., Watson, H. and Davis, P.R. (2010) Rework in Civil Engineering Projects: Determination of Cost Predictors. ASCE Journal of Construction, Engineering and Management Vol. 136, No.3, pp 275-282. DOI: 10.1061/(ASCE), CO.1943-7862.0000136.
- Edwards, D. J. and Holt, G. D. (2010). The case for '3D Triangulation' when applied to construction management research. Construction Innovation: Information, Process, Management. Vol. 10, No. 1, pp25-41. ISSN: 1471-4175 (print). DOI: 10.1108/14714171011018292
- Love, P.E.D., Standing. C., Irani, Z. and Edwards, D.J. (2009) Beyond the Red Queen Syndrome: Customer Relationship Management and Building Material Suppliers. Engineering, Construction and Architectural Management, Vol 16, No. 5, pp 459-474.
- Love, P.E.D., Edwards, D.J., Smith, J., and Walker, D.H.T. (2009). Divergence or Congruence? A Path Model of Rework in Building and Civil Engineering Projects. ASCE Journal of Performance of Constructed Facilities, Vol 23, No. 6, pp 480-488
- Edwards, D. J. and Holt, G. D. (2009). New stability field tests for construction excavators. Engineering, Construction and Architectural Management. Vol. 16, No. 4, pp. 337-352. ISSN: 0969-9988 (print).

DOI: 10.1108/09699980910970833

- Edwards, D. J. and Holt, G. D. (2009). Construction plant and equipment management research: thematic review. The Journal of Engineering, Design, and Technology. Vol.7, No. 2, pp186-206. ISSN: 1726-0531 (print). Bingley: Emerald Group Publishing Ltd. DOI: 10.1108/17260530910974989
- Love, P.E.D., Edwards, D.J., Irani, Z., and Walker, D. (2009) Project Pathogens: The Anatomy of Omission Errors in Construction and Resource Engineering Project, IEEE Transactions on Engineering Management, Vol. 56 No. 3 pp. 425-435 ISSN 0018-9391; DOI: 10.1109/TEM.2008.927774
- Andrew N. Rimell, Luca Notini, Neil J. Mansfield and David J. Edwards (2008), Variation between manufacturers' declared vibration emission values and those measured under simulated workplace conditions for a range of hand-held power tools typically found in the construction industry, International Journal of Industrial Ergonomics, Vol. 38, No 9-10, September-October 2008, Pages 661-675 DOI:10.1016/j.ergon.2007.10.023
- Edwards, D. J. and Holt, G. D. (2008). Protecting capital investment in plant and equipment: case study observations of post-theft recovery. The Journal of Financial Management of Property and Construction. Vol. 13, No. 2, pp96-110. Emerald Group Publishing. ISSN: 1366-4387 (print).

DOI: 10.1108/13664380810898113.

- Edwards D. J. and Holt G. D. (2008). Health and safety issues relating to construction excavators and their attachments. Engineering, Construction and Architectural Management. Vol. 15, No. 4, pp321-335. Emerald. ISSN: 0969 9988 (print). DOI 10.1108/09699980810886838.)
- Love, P.E.D., Edwards, D.J. and Baccarini (2008) Uncertainty avoidance: public sector clients and procurement selection, the International Journal of Public Sector Management (IJPSM), Volume 21, No.7 pp 753-776.
 DOI: 10.1108/09513550810904550
- Irani, Z, Love, P.E.D. and Edwards, D.J. (2008) Forensic Project Management: an Exploratory Examination of the Casual Behaviour of Design Induced Rework, IEEE Transactions on Engineering Management, Vol. 55, No. 2, pp 234-247. ISSN 0018-9391.
- Edwards, D. J. and Holt, G. D. (2008). Construction workers' health and safety knowledge: Initial observations on some test result data. The Journal of Engineering, Design, and Technology. Vol. 6, No. 1, pp65-80. ISSN: 1726-0531 (print). DOI: 10.1108/17260530810863343. Bingley: Emerald Group Publishing Ltd. (AWARDED "BEST PUBLICATION IN JOURNAL OF ENGINEERING, DESIGN AND TECHNOLOGY 2008" AT THE LITERATI NETWORK AWARDS FOR EXCELLENCE 2009).
- Owusu-Manu, D., Badu, E. and **Edwards**, **D.J.** (2008) Conceptual Paradigm and Rethinking Project Finance Strategy for Highway Projects Financing in Ghana, PentVars Business Journal, PUC. Vol. 3, No. 3, pp. 85-93. Accra (Ghana) Degibooks publishers.
- Edwards, D.J, J. Yang, B.C. Wright, P.E.D. Love (2007) Establishing the Link Between Plant Operator Performance and Personal Motivation, Journal of Engineering Design and Technology, Vol 5, No. 2, pp. 173-187. ISSN: 1726-0531 DOI: 10.1108/17260530710833211
- Edwards, D. J. and Holt, G. D. (2007). Construction hand tools: vibration emissions from alternative inserts. Building Research and Information, The International Journal of Research, Development and Demonstration. Vol. 35, No. 3, pp329-342. London: Routledge. ISSN: 0961-3218

DOI: 10.1080/09613210601002772.

- Edwards, D. J. and Holt, G. D. (2007) Perceptions of workplace vibration hazards among a small sample of UK construction professionals. Engineering, Construction and Architectural Management. Vol. 14, No. 3, pp261-276. Emerald. ISSN: 0969 9988 (print).
 DOI: 10.1108/09699980710744908.
- Edwards, D. J. and Holt, G. D. (2007). Risk-assessing hand-arm vibration exposure: the role of 'HAVTEC'. Construction Information Quarterly (CIOB). Paper 217, Vol. 9, No. 2, pp74-79. Berks: The Chartered Institute of Building.
- Carmichael, R., Edwards, D. J. and Holt, G. D. (2007). Plant managers' perceptions of plant security systems. Engineering, Construction and Architectural Management. Vol. 14, No. 1, pp65-78. Oxford: Blackwell Science. ISSN: 0969 9988.
 DOI: 10.1108/09699980710716981.
- Riaz, Z., Edwards, D.J. and Thorpe, A. (2006) SightSafety: A Hybrid Information and Communication Technology System for Reducing Vehicle/Pedestrian Collisions. Automation in Construction. Vol 15(6). pp. 719 728. ISSN: 0926-5805. http://dx.doi.org/10.1016/j.autcon.2005.09.004
- Edwards D. J. and Holt, G. D. (2006). Hand-arm vibration exposure from construction tools: results of a field study. Construction Management and Economics, (February) Vol. 24, No. 2, pp 209-217. London: Routledge. ISSN: 0144-6193 (print). DOI: 10.1080/01446190500310643.
- Oloke, D., Edwards, D.J., Wright, B. and Love, P.E.D. (2006) A Web-hosted Information Management System for Predicting the Breakdown of Off-highway Plant. Journal of Engineering Design and Technology, Vol 4. No. 1, pp 22-45.
- Edwards, D. J. and Holt, G. D. (2006). Hand-arm vibration controls: A perspective based on performance and cost dimensions. Journal of Financial Management of Property and Construction. Vol. 11, No. 1, pp 147-158. (March). ISSN: 1366 4387 (print).
- Love, P.E.D., **Edwards, D.J**. and Smith, J. (2006) Contract Documentation, Fees and the Incidence of Rework in Projects, Architectural Engineering and Design Management, Volume 1, Number 4, pp. 247-259

- Edwards, D.J., Yang, J., Cabahug, R. and Love, P.E.D. (2005) Intelligence and Maintenance Proficiency: An Examination of Plant Operators, Construction Innovation, Vol. 12, No. 4., pp 243-254.
- Edwards, D.J., Yang, J. and Love, P.E.D. (2005) A Computer Based Intelligent Software Tool of Assessing Plant Operative's Productivity, International Journal of IT in Architecture, Engineering and Construction, Vol. 2, No. 4, pp 303-314.
- Love, P.E.D and Edwards, D.J.(2005) Calculating Total Rework Costs in Australian Construction Projects, Civil and Environmental Engineering Systems, Vol. 22, No. 1, pp. 11-27.
- Love, P.E.D., Tse, R.Y.C. and **Edwards, D.J.** (2005) Time-Cost Relationships in Australian Building Construction Projects, ASCE Journal of Construction, Engineering and Management, Vol. 131, No. 2, pp. 187-194.
- Holt, G. D. and **Edwards, D. J.** (2005). Domestic builder selection in the UK housing repair and maintenance sector: A critique. The Journal of Construction Research. Vol. 6, No. 1, pp 123-137. Hong Kong Institute of Building. ISSN: 1609-9451 (print).
- Edwards D. J. and Holt G. D. (2005). Exposure to hand-arm vibration: implications of new statutory requirements. Building Research and Information The International Journal of Research, Development and Demonstration. Vol. 33, No. 3, pp 257 266. London: Routledge. ISSN: 0961-3218 (print). DOI: 10.1080/09613210500082552.
- Love, P.E.D., Irani, Z., and **Edwards, D.J.** (2005). Researching the Investment of Information Technology in Construction: An Examination of Evaluation Practices, Automation in Construction, Vol. 14, No. 4, pp 569-582.
- *Malekzadeh, H., Harris, F.C. and* Edwards, D.J. (2005) Simulating the Ground Freezing Process: A Decision Support Model, Journal of Construction Research, Vol. 6, No. 1, pp. 107-121.
- Love, P.E.D. and Edwards, D.J. (2005) Taking the Pulse of Construction Project Managers Health: Influence of Job Demands, Job Control and Social Support on Psychological Wellbeing. Engineering, Construction and Architectural Management, Vol. 12, No. 1, pp. 88-101.
- Love, P.E.D., Edwards, D.J. and Smith, J. (2005) A Forensic Examination of the Causal Mechanisms of Rework in a Structural Steel Supply Chain, Managerial Auiting Journal, Vol. 20, No. 2, pp. 187-197.
- Yang, J., Edwards D.J. and Love, P.E.D (2004) Measuring the Impact of Daily Workload upon Plant Operator Production Performance Using Artificial Neural Networks, Civil and Environmental Engineering Systems, Vol. 21, No. 4, pp. 279-293.
- Love, P.E.D and Edwards, D.J. (2004) Forensic Project Management: the Underlying Causes of Rework in Construction Projects, Civil and Environmental Engineering Systems, Vol. 21, No. 3, pp. 207-228.
- Edwards, D.J., *Love, P.E.D. and Smith, J. (2004)* A Proportional Hazards Model Approach to Determine the Covariates Influencing Hydraulic Hose Life. Journal of Engineering, Design and Technology, Vol. 2, No. 2, pp.
- Love, P.E.D., Irani, Z. and Edwards, D.J. (2004) A Rework Reduction Model for Construction Projects. IEEE Transactions on Engineering Management, Vol. 51, No. 4, pp 426-440.
- Edwards, D.J., Dainty A. and Love, P.E.D . (2004) A Sustainable Cohort of Professional Civil Engineering Graduates?: Uncovering the UK Graduate Crisis , International Journal of Education, Vol. 5, No. 3, pp 374-384.
- Love, P.E.D. and Edwards, D.J. (2004) Determinants of Rework in Building Construction Projects, Engineering, Construction and Architectural Management, Vol 11, No. 4, pp 259-274.
- Love, P.E.D., Irani, Z and Edwards, D.J. (2004) Industry-centric Benchmarking of Information Technology Benefits, Costs and Risks for Small-to-Medium Sized Enterprises in Construction, Automation in Construction, Vol 13., No. 4, pp 507-524.
- Edwards, D.J. (2004) Validating a Stochastic Model of Excavator Maintenance Expenditure, Journal of Engineering, Design and Technology, Vol 2, No. 1, pp. 66-82.

- Love, P.E.D., Edwards, D.J. and Sohal, A. (2004) Total Quality Management in Australian Contracting Organisations: Preconditions for Successful Implementation, Engineering, Construction and Architectural Management, Vol.11, No. 3, pp189-199.
- *Smith, J. Zheng, B, Love, P.E.D. and* Edwards, D.J. (2004) The Procurement of Construction Facilities in Guangdong Province, China: Factors Influencing the Choice of Procurement Methods, Facilities, Vol. 22, No. 5/6 pp141-148
- Love, P.E.D., Edwards, D.J. and Irani, Z. (2004) Nurturing a Learning Organisation in Construction: A Focus on Strategic Shift, Organisational Transformation, Customer Orientation and Quality Centred Learning, Construction Innovation, Vol. 4, No. 2, pp.
- Edwards, D.J., *Thorpe, A. and Love, P.E.D. (2004)* Financial Implications of Poorly Utilised Construction Plant and Equipment. Journal of Financial Management of Property and Construction, Vol. 9, No. 1, pp 3-12.
- Cabahug, R.R., Edwards, D.J. and Nicholas, J. (2004) Classifying Plant Operator Maintenance Proficiency. Building Research and Information, Vol. 32, No.2, pp 119-127.
- Oloke, D.A., Edwards, D.J. and Thorpe, A. (2004) Predicting Construction Plant Breakdown Time Using Time Series Modelling. Journal of Engineering, Design and Technology, Vol. 1, No. 2, pp.202
- Cabahug, R.R., Edwards, D.J. and Nicholas, J. (2004) The Impact of Training and Education Characteristics Upon Plant Operator Maintenance Proficiency. Journal of Engineering Design and Technology, Vol. 1, No. 2, pp.119-134
- Love, P.E.D., Irani, Z and Edwards, D.J. (2004) A Seamless Project Supply Chain Management Model for Construction, Supply Chain Management: An International Journal, Vol. 9, No. 1, pp.43-56.
- Edwards, D.J. and Love, P.E.D (2004) Modelling UK Backhoe Loaders Sales. Journal of Engineering, Design and Technology, Vol 2, No. 1, pp 56-66.
- Yang, J., Edwards, D.J. and Love, P.E.D. (2004) Classifying Plant Operator Productivity Using Computational Science, Asian Journal of Information Technology, Vol. 3, No. 5, pp.336-346
- Yang, J., Edwards, D.J. and Nicholas, J. (2003) A Fuzzy Logic Decision Support System for Routing Materials on Construction Sites, International Journal of IT in Architecture, Engineering and Construction, Vol. 1, No. 4, pp.293-306
- Dainty, A. and Edwards D.J. (2003) The UK Building Education Recruitment Crisis: A Call for Action, Construction Management and Economics, Vol. 21, No. 7, pp 767-775.
- Yang, J., Edwards, D.J. and Love, P.E.D. (2003) A Computational Intelligent Fuzzy Model Approach for Excavator Cycle Time Simulation, Automation in Construction, Vol. 12, No. 6, November, pp. 725-735.
- Love, P.E.D., Irani, Z and Edwards, D.J. (2003) Learning to Reduce Rework in Projects: Analysis of Firms Learning and Quality Practices. Project Management Journal Vol. 34, No. 3, pp.13-25.
- *Nicholas, J. and* Edwards, D.J. (2003) A Model to Evaluate Materials Suppliers' and Contractors' Business Interactions, Construction Management and Economics, Vol. 21, No. 3, pp 237-245.
- Oloke, D.A. and Edwards, D.J. (2003) An Intelligent System for Improving Plant Information Management, International Journal of IT in Architecture, Engineering and Construction, Vol. 1, No. 2, pp 157-172.
- Edwards, D.J. (2003) Accident Trends Involving Construction Plant: An Exploratory Analysis, Journal of Construction Research, Vol. 4, No. 2, pp.
- Edwards, D.J., *Griffiths, I. J. and Holt, G.D. (2002)* A Comparative Analysis of Multiple Regression and Artificial Neural Networks for predicting Plant Productivity. Computer Integrated Design and Construction, Vol. 3, No. 2 pp 61-69.
- Yisa, S. and Edwards, D.J. (2002) Evaluation of Business Strategies in the UK Construction Engineering Consultancy, Measuring Business Excellence, Vol. 6, No. 1, pp 23 32. MCB University Press.
- Cabahug, R.R. and Edwards, D.J. (2002) Maintenance Skills Training of UK Construction Plant Operatives: A Pilot Survey, Journal of Structural Survey, Vol. 20, No. 1,pp 22-30. MCB University Press.

- Edwards, D.J. and Nicholas, J. (2002) The State of Health and Safety in the UK Construction Industry with a Focus on Plant Operator, Journal of Structural Survey, Vol. 20, No. 2, pp 78-87.
- Edwards, D.J., *Holt, G.D. and B. Robinson (2002)* An Artificial Intelligence Approach For Improving Plant Operator Maintenance Proficiency, Journal of Quality in Maintenance Engineering, MCB University Press, Vol. 8, No. 3, pp 239-252.
- Edwards, D.J., *Holt, G.D. & Harris, F.C. (2002)* Predicting Downtime Costs of Tracked Hydraulic Excavators Operating in the UK Opencast Mining Industry, Construction Management and Economics, Vol. 20, No. 7, pp 581-591.
- *Nicholas, J., Holt, G.D. and* Edwards, D.J. (2001) Towards a Risk Assessment Model for Evaluating Construction Contractors' Creditworthiness, Journal of Financial Management of Property and Construction, Vol. 6, No. 1, pp31-40. ISSN: 1366 4387.
- Edwards, D.J., *Holt, G.D. and Major J.G. Spreckley (2001)* Application of the Multilayer Perceptron 'Neural Network' for Predicting Construction Plant Maintenance Costs, Computer Integrated Design and Construction, Vol. 2, No. 3, pp183-192.
- Edwards, D.J., *Nicholas, J. and Sharp, R. (2001)* Forecasting UK Plant Sales, Engineering, Construction and Architectural Management, Vol.8, No. 3, pp 171-177.
- Edwards, D. J. and Yisa, S. (2001) Modelling the Magnitude of Plant Downtime: A Tool for Improving Plant Operations Management, Engineering Construction and Architectural Management, Vol. 8., No. 3, pp 225-233.
- Edwards, D.J., and Malekzadeh, H. (2001) A Linear Programming Tool for Selection of Optimum Excavator Type. Structural Survey, Vo.19, No. 2, pp 113-121.
- Edwards, D.J., *Holt, G.D. (2001)* An Analysis of Construction Plant Utilisation, Standing Time and Cumulative Breakdown, Journal of Construction Research, Vol. 2, No. 2, pp115-126.
- Cabahug, R.R., Edwards, D.J. and Holt, G.D. (2001) Certified Skills of Plant Operators for Maintaining Construction Plant, Journal of Construction Research, Vol. 2, No.2, pp 127-134.
- *Malekzadeh, H., Harris, F.C. and* Edwards, D.J. (2001) Sensitivity of the FE Software in Ground Freezing, Journal of Construction Research, Vol. 2, No. 2, pp 203-212.
- Edwards, D. J. and Nicholas, J. (2001) Telescopic Handler Machine Park Prediction Using Sales Trends, Journal of Financial Management of Property and Construction, Vol. 6, No. 2, pp109-118.
- Edwards, D.J. and Holt, G.D. (2001) Predicting Construction Plant Maintenance Expenditure, Building Research and Information-The International Journal of Research, Development and Demonstration, Vol. 29, No. 6, pp 417-427.
- *Malekzadeh, H., Harris, F.C. and* Edwards, D.J. (2001) Modelling Culvert Construction in Artificially Frozen Ground Using Finite Element Analysis, Journal of Structural Survey, Vol. 19, No. 5, pp253-261. MCB University Press.
- Edwards, D.J., *Holt, G.D. & Harris, F.C. (2000)* A Model for Predicting Plant Maintenance Costs, Construction Management and Economics, Vol. 18, pp 65-75. E & F.N. Spon. ISSN: 0144-6193.
- Edwards, D.J., and Holt, G.D. (2000) ESTIVATE: A Model for Calculating Hydraulic Excavator Productivity and Output Costs, Engineering, Construction and Architectural Management, Vol. 7, No.1, pp 52-62. Blackwell Science. ISSN: 0969 9988.
- Edwards, D.J., *Holt, G.D. & Harris, F.C. (2000)* A Comparative Analysis Between the Multilayer Perceptron 'Neural Network' and Multiple Regression Analysis for Predicting Construction Plant Maintenance Costs, Journal of Quality in Maintenance Engineering, Vol.6, No. 1, pp 45-61. ISSN: 1355-2511. Yorkshire: MCB University Press.
- Edwards, D.J., *Griffiths, I. J. and Gough, N.E. (2000)* An Intelligent Approach to Earthmoving Analysis, International Journal of Engineering Simulation (IJES) with Industrial Applications, Vol. 1, No. 1, pp 8-12. <u>http://www.amorphic.co.uk/wol/nethome.htm</u>. *ISSN 1468-1137.*
- Edwards, D.J., *Holt, G.D. and Harris, F.C. (2000)* Estimating Life-Cycle Plant Maintenance Costs, Construction Management and Economics, Vol. 18, No. 4, pp 427-436. E & F.N. Spon. ISSN: 0144-6193.

- Edwards, D.J., and Holt, G.D. (2000) Quantifying the Cost of Plant Operators' Productivity: Answering the Why and the How, Journal of Financial Management of Property and Construction, Vol. 5, No. 1, pp 85 - 92. ISSN: 1366 4387.
- Edwards, D.J. and Griffiths, I. J. (2000) An Artificial Intelligent Approach to Calculating Hydraulic Excavator Cycle Time and Productivity Output, Transactions of the Institute of Mining and Metallurgy, Vol. 109, pp A23-29. ISSN 0371-7844.
- Edwards, D.J., and Holt, G.D. (1999) Predicting Mechanical Reliability Using Artificial Intelligence, Plant Services, June, Vol. 20, No.6, pp 51-54, <u>www.plantservices.com</u>.
- Edwards, D.J., *Holt, G.D. and Harris, F.C. (1999)* Construction Plant Maintenance Management, A Detailed Review of Maintenance and Breakdown Costs, Construction Paper 102, Construction Information Quarterly, The Chartered Institute of Building, Ascot, Vol. 1, No. 1, pp 18-24.
- Edwards, D.J., *Holt, G. D. and Harris, F.C. (1999).* Predicting Maintenance Expenditure on Construction Plant: Model Development and Performance Analysis, The Journal of Financial Management of Property and Construction, Vol. 4, No. 1, pp 31-45, The University of Ulster. ISSN: 1366 4387.
- Edwards, D.J., *Holt, G.D. and Harris, F.C. (1999)* Predicting Plant Maintenance Costs: Condition Based Monitoring, Used Oil Analysis and Management Strategy, International Mining and Minerals, Institution of Mining and Metallurgy, Vol. 2, No. 19, pp 181-186. ISSN: 1461-4715.
- Edwards, D.J., *Holt, G.D. & Harris, F.C. (1998)* Financial Management of Construction Plant: Conceptualising Cost Prediction, Journal of Financial Management of Property and Construction, Vol. 3, No. 2, pp 59-73. The University of Ulster. ISSN: 1366 4387.
- Edwards, D.J., *Holt, G.D. and Harris, F.C. (1998)* Predictive Maintenance Techniques and their Relevance to Construction Plant, Journal of Quality in Maintenance Engineering, Vol. 4, No. 1, pp 25-37. ISSN: 1355-2511. Yorkshire: MCB University Press.
- Edwards, D.J., *Holt, G.D. & Harris, F.C. (1997)* Used Oil Analysis: Methods, Applications and Limitations of its use on UK Construction Plant, Campus Construction, The Chartered Institute of Building, pp 13-16.
- Edwards, D.J., *Shaw, T. and Holt, G.D. (1996)* Electronic Document Management Systems and the Management of Construction Projects, Building Research and Information-The International Journal of Research, Development and Demonstration, Vol. 24, No. 5, pp 287-292. ISSN: 0961-3218.
- Edwards, D.J., *Harris, P.T. and Holt, G.D. (1996)* The 'Greenhouse Effect'; Impact Upon, and the Role to be Played by Construction, Building Research and Information-The International Journal of Research, Development and Demonstration, Vol. 24, No. 2, pp 97-103. ISSN: 0961-3218.

Textbooks and Short-works

- Edwards, D.J., *Harris, F.C. and McCaffer, R.* (2003) Management of Off-highway Plant and Equipment, E and FN Spon, London. ISBN 0-415-25127-3
- Edwards, D.J. (2003) A Best Practice Guide for Plant Instructors: Operator, Instructor Plant Item Ratios, Plant and Equipment, A Publication Produced in Association with JCB, Off-highway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 14
- Edwards, D.J., *Nicholas, J. and Cabahug, R.* (2002) A Review of Current Off-highway Plant Operator Training: A Warning from the West, A Textbook Chapter Accepted for Publication in TG 29, Edited by Professor Stephen Ogunlana. ISBN 974-8208-52-4.
- Edwards, D.J. (2002) A Voluntary Code of Practice for Plant and Equipment, A Publication Produced in Association with Finning (UK) Ltd, Off-highway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 06 7.
- Edwards, D.J., *Holt, G.D. and Harris, F.C.* (1998) Maintenance Management of Heavy Duty Construction Plant and Equipment, Chandos Publishing, Oxford, ISBN 1 902375 09 2.
- Love, P.E.D., Huang, J., Edwards, D.J. and Irani, Z. (2004). Building a Learning Organisation in a Project-based Environment. In Love, P.E.D., Irani, Z., and Fong, S.P.(Ed). Knowledge Management in Project Environments. Butterworth Heinemann.

- Summers, D and Edwards, D.J. (2004) A Voluntary Code of Practice for the Safe Use of Cranes in and Around Airports, A Publication Produced in Association with BAA PLC., Off-highway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 24 5.
- Edwards, D.J. and Holt, G.D. (2004) Lubricant Analysis, A Publication Produced in Association with Finning (UK) Ltd, Off-highway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 23 7.
- Edwards, D.J., Robinson, B. and Loxton, N. (2004) A Practical Guide to All Round Awareness (ARA), Off-highway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 26 1.
- Edwards, D.J. and Spittle, P.G. (2004) A Practical Guide: How to Use Safetynet, Offhighway Plant and Equipment Research Centre (OPERC). ISBN 0-947974 25 3.
- Edwards, D.J. and Holt, G.D. (2005) A Practitioners' Guide to Whole Body Vibration, Offhighway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 31 8.
- Edwards, D.J. and Holt, G.D. (2005) A Practitioners' Guide to Hand Arm Vibration, Offhighway Plant and Equipment Research Centre (OPERC). ISBN 0 947974 32 6.
- Carmichael, R. and Edwards, D.J. (2005) Plant Theft and Recovery, a Practitioners' Guide, Off-highway Plant and Equipment Research Centre (OPERC).ISBN ISBN 0-947974-40-7.
- Edwards, D.J. and Holt, G.D. (2007) A Practitioners' Guide to Hand Arm Vibration (2nd Edition), Off-highway Plant and Equipment Research Centre (OPERC). ISBN 978-0-947974-54-1.
- Edwards, D.J. and Holt, G.D. (2007) A Practitioner's Guide to Brake Testing of Quarrying Vehicles, Off-highway Plant and Equipment Research Centre (OPERC). ISBN 978-0-947974-62-6. (in association with the Health and Safety Executive and EPIC)
- Edwards, D.J. and Holt, G.D. (2008) Plant and Equipment Theft: A Practical Guide (Edition 2), Off-highway Plant and Equipment Research Centre (OPERC) ISBN: 978-1-906977-02-3
- Edwards, D.J. (2008) Guidance on the Safe Use of Excavator Quick-hitch Devices, Offhighway Plant and Equipment Research Centre (OPERC) ISBN: 978-1-906977-01-6
- Edwards, D.J. (2008) Dust Control: A Practical Guide, Off-highway Plant and Equipment Research Centre (OPERC) ISBN: 978-1-906977-03-0
- Edwards, D.J. and Holt, G.D. (2011) HAV Manager Guidance (In Press), On-Track Multimedia, Dudley
- Holt, G.D. and **Edwards, D.J.** (2011) Vehicle Slips and Trips, On-Track Multimedia, Dudley **ISBN:** 978-1-906977-05-4

Digital Versatile Disks (DVDs)

- Edwards, D.J. and Holt, G.D. (2005) An Introduction to Whole-body Vibration. Digital Versatile Disk.The Off-Highway Plant and Equipment Research Centre, Loughborough University, UK (in association with the Health and Safety Executive). (Run time 25 mins.). November.
- Edwards, D.J. and Holt, G.D. (2006) An Introduction to Hand-arm Vibration. Digital Versatile Disk. The Off-Highway Plant and Equipment Research Centre (in association with the Health and Safety Executive). (Run time 25 mins.). March.
- Edwards, D.J. and Holt, G.D. (2012) An Introduction to Noise at Work. Digital Versatile Disk. The Off-Highway Plant and Equipment Research Centre. (Run time 25 mins.). November. (IN PRESS)

Conference Papers

- Zakaria, A, **Edwards, D.J.** and Ramachandran, V, (2012) The Motives and Effects of Fixed Assets Revaluation. A Case Study of Listed Companies in Indonesia, RESCON Annual Research Conference, Birmingham City University, UK, July.
- Zakaria, A, **Edwards, D.J.** and Ramachandran, V, (2012) The Motives and Effects of Fixed Assets Revaluation. A Case Study of Listed Companies in Indonesia, British Accounting and Finance Association Doctoral Colloquium, Brighton UK, April.
- Riaz, Z and **Edwards, D.J.** (2012), Soft issues for Construction Site Safety Emerging Technologies: Some reflections upon the SightSafety System, Technology Management for Emerging Technologies, IEEE Portland International Conference on Management of

Engineering & Technology Portland, July 29 - August 2, Sheraton Wall Centre Hotel, Vancouver, Canada, pp. 209-307.

- Love, P.E.D., Edwards, D.J., and Han, S. (2011). Bad Apple Theory and Building Information Modelling: A Systemic Model for Implementation. The 28th International Symposium on Automation and Robotics in Construction, 29th June – 2nd July, Imperial Place, Seoul, Korea
- Riaz, Z and Edwards, D.J. (2009) "Technology Support for Improved Construction Plant and Worker Safety", in Proceedings of the Twelfth International Conference on Civil, Structural and Environmental Engineering Computing, Madeira Portugal, B.H.V. Topping, L.F. Costa Neves, R.C. Barros, (Editors), Civil-Comp Press, Stirlingshire, United Kingdom, paper 236, 2009. doi:10.4203/ccp.91.236
- Notini, L., Mansfield, N.J. and Edwards, D.J. (2008) The Effect of Wet Dust Suppression on Cut-Off Saw Hand-Arm Vibration Exposure, 43rd UK Conference on Human Responses to Vibration, 15 – 17 September 2008, Technology and Solutions Division, Machine Technology, Caterpillar Inc.
- Notini, L., Mansfield, N.J., Edwards, D.J. (2008) The Importance of Power Tool Consumables on Vibration Exposure, Health and Well Being of Construction Workers Symposium, Proceedings of the Ergonomics Society, University of Nottingham, 1st - 3rd April 2008 pp 191-196, ISDN:978-0-415-465755
- Owusu, M.D., Edwards, D.J, Badu, E., and Adjei-Kumi, T (2007) Methodological Issues Related to Firms Financing Research. In: Fadare Wale and Abiodun Adesanya (Eds), Proceedings of International Conference on Sustainable Built & Natural Environment, 17 -19 January 2007, Obafemi Awolowo University, Ile-Ife, Nigeria. Vol.1 Pp 91-101.
- Owusu, M.D., Badu, E., Edwards, D.J, and Adjei-Kumi, T (2007) Towards Bridging the "Financing Gap" in Construction Firms in Ghana with Special Reference to Capital Equipment Acquisition Finance. In: Hughes, W. (Ed), 25th Construction Management and Economics Conference Proceedings, 16-18 July 2007, University of Reading, UK. Vol.1 & 2
- Owusu, M.D., Badu, E., Edwards, D.J, and Adjei-Kumi, T (2007) Finance for Non-Financial Construction Managers: Empirical Analysis of Financial Variables that Influence Acquisition Decision-Making Process. In: Boyd, D. (Ed), 23rd ARCOM Annual Conference, 3 -5 September 2007, University of Ulster, Belfast UK. Vol.1, Pp 567-755
- Owusu, M.D., Badu, E., Edwards, D.J, and Adjei-Kumi, T (2007)Equipment Acquisition Finance Practices of Large Construction Contractors Operating in Ghana: Problems and Strategies for Improvement". In: Thomas-Mobley, L. (Ed), COBRA Annual Conference, 6 -7 September 2007, Georgia Institute of Technology, Atlanta, Georgia, USA. Royal Institution of Chartered Surveyors (RICS)
- Love, P, Lopez, R, **Edwards, D.J.,** and Davis, P. 2007. Prometheus and Bob: Understanding measurement and implications of emotional intelligence. *The Third Scottish Conference for Postraguate Researchers of the Built and Natural Environment (PRoBE),* 20/11/2007. Glasgow Caledonian University: Glasgow Caledonian University, Scotland.
- Owusu, M.D., Badu, E., Edwards, D.J. (2007) Empirical Analysis of Construction Managers' Proficiency in Financial Decision-Making. In: Egbu, C. (Ed), 1st Scottish Conference for Postgraduate Researchers in the Built & Natural Environment (PRoBE), 20-22 November 2007, 'forthcoming', Glasgow Caledonian University, Glasgow, Scotland, UK.
- Rimell, A.N, Mansfield, N.J and **Edwards, D.J** (2006), The Influence of Drill-Bit on the Measured Vibration Exposure of Hammer Drills. Proceedings of the 41st UK Conference on Human Response to Vibration, 20th-22nd September 2006. Pub: Vibration and Motion Group, QinetiQ Ltd, UK.
- Riaz, Z, **Edwards, D.J**, Mackenzie, J and Thorpe, A (2006) Emerging information, communication and technology systems applied to construction vehicle safety. In: Boyd, D (Ed) Procs 22 Annual ARCOM Conference, 4-6 September 2006, Birmingham, UK, Association of Researchers in Construction Management, pp. 675 684.
- Atkinson, G., Edwards, D.J., Golding P. and Love, P.E.D. (2004) Plant and Equipment Simulators: An Empirical Examination, The proceedings of RICS COBRA 2004, The International Construction Conference, 7-8, September, 2004, Leeds, UK, (Ed. Ellis, R and Bell, M.), pp 159-159, ISBN: COBRA 2004 Proceedings (with CD-ROM) 1842191993.

- Summers, D., Edwards, D.J., Wright, B.C. and Love, P.E.D. (2004) The Safe Use of Cranes and Other Tall Construction Equipment in the Vicinity of Airport, The proceedings of RICS COBRA 2004, The International Construction Conference, 7-8, September, 2004, Leeds, UK, (Ed. Ellis, R and Bell, M.), pp 190-190, ISBN: COBRA 2004 Proceedings (with CD-ROM) 1842191993.
- Yang, J., Edwards, D.J., Wright, B.C. and Love, P.E.D. (2004) A Controlled Experiment for Plant Productivity Measurement: Uncovering the Impact of Plant Operators, The proceedings of RICS COBRA 2004, The International Construction Conference, 7- 8, September, 2004, Leeds, UK, (Ed. Ellis, R and Bell, M.), pp 189-189, ISBN: COBRA 2004 Proceedings (with CD-ROM) 1842191993.
- Love, P.E.D., **Edwards, D.J**. and Gibb, A.G.F. (2004) 'Information technology evaluation practices of construction SMEs in Australia'', cib world building congress 2004, International Council for Research and Innovation in Building and Construction, Toronto, Canada, 2004, pp 187 197, ISBN 0 662 36716 2.
- Dainty, A and Edwards, D.J. (2003) Excoriating the Truth Behind the Student Recruitment Crisis, Proceedings of the 19th Annual ARCOM Conference (D Greenwood, Ed.), Brighton, Vol. 2, pp. 595-603.
- Love, P.E.D., Edwards, D.J. and Smith, J. (2003) Nurturing a Learning Organisation in Construction. Proceedings of CIB W-102, Information and Knowledge Management in Building. The Centre for the Built Environment, Strathclyde University, 23rd -24th June, Glasgow, UK
- Love, P.E.D., Edwards, D.J. and Smith, J. (2003) Propagation of Seamless Project Procurement Supply Chain Management Model. Proceedings of the Joint International Symposium of CIB Working Commissions W-55, W-65, W-107, National University of Singapore, 22nd-23rd October, Singapore/.
- Oloke, D., Edwards, D.J. and Olomolaiye P. (2003) Enhancing Construction/Off-highway Plant Productivity Through Web-Based Information Management. Proceedings of the COBRA 2003 Conference, pp 268-278 September, Wolverhampton University UK.
- Yang, J., Edwards, D.J., Love, P.E.D. and Wright, B.C. (2003) An Intelligent Toolkit for Classifying Plant Operator Productivity: A Conceptual Design. Currently being refereed for the Conference for Postgraduate Researchers of the Built and Natural Environment (PRoBE), 18th & 19th of November 2003, Glasgow, Scotland, UK
- Oloke, D.A and Edwards, D.J. (2002) An Approach to Knowledge Representation for Construction Plant Maintenance Cost Assessment. Proceedings of the 2nd International Post Graduate Research Conference in the Built and Human Environment. University of Salford, UK. pp 181-192. Edited by Sun, et al.
- Cabahug, R.R., Golding, P., Nicholas, N. and Edwards, D.J. (2002) Cognitive 'Visual' Processing and Manual Dexterity: The Influence of Eye-to-Hand Coordination on a Plant Operator's Aptitude, Proceedings of the 18th ARCOM Conference, Northumbria University, UK, Vol.2, pp 451-459. ISBN: 0-9534161-7-8 (2 Vols.). Edited by Dr David Greenwood.
- Oloke, D., Edwards, D.J. and Holt, G.D. (2001) Intelligent Construction Plant Information Management, Proceedings of the 17th Annual ARCOM conference, University of Salford, UK, pp. 169-178. Edited by Akintola Akintoye.
- Oloke, D. and Edwards, D.J. (2001) A Data Capture Mechanism For Modelling Construction Plant Breakdown and Maintenance Costs. ARCOM Doctoral Workshop.
- Edwards, D.J., *Holt, G.D. & Harris, F.C.* (1998) Predictive Maintenance Through Used Oil Analysis: Applications and Limitations for the UK Construction Plant Sector, A Paper Presented to 'The Sixth East Asia-Pacific Conference Structural Engineering and Construction', Taipei, Taiwan, January 14-16, Vol. 3, pp 2123-2128. ISBN: 957-99064-5-9.

Research Reports

- Edwards, D.J. and Holt, G.D. (2011) Trailer Wheel Fail Analysis. A Report for Balfour Beatty Utility Solutions Limited.
- **Edwards, D.J.** (2011) Developing a HAV Traffic Light Management Scheme for the Hire Sector. A report produced for A-Plant, Speedy and GAP
- Edwards, D.J. (2009) Innovations in materials handling. A research report for Travis Perkins.
- Edwards, D.J. (2009) Predicting machine turnover. A research report for Balfour Beatty.

- Edwards, D. J. (2008) Mini Excavator Stability. A Research Report for Morgan Est.
- Edwards, D.J. (2008) The Safe Use of Quick Hitches. A Safety Alert Report Submitted to Morgan Est.
- **Edwards, D.J.** (2008) The Safe Use of MEWPS. A Safety Alert Report Submitted to Shepherd Construction.
- Edwards, D.J. (2008) The Safe Use of Power Tools. A Report Submitted to Network Rail.
- **Edwards, D.J.** (2007) Road Breaking Tools and Vibration Exposure. A Report Submitted to MacDonald Air Tools, Glasgow.
- Edwards, D.J. (2007) An Assessment of Chainsaw Vibration and Production, A Report Submitted to Dept. of Transport Isle of Man.
- **Edwards, D.J.** (2007) Hand Arm Vibration Field Studies and the Implication for Power Tools. A Report Submitted to Makita (Great Britain), Milton Keynes.
- **Edwards, D.J.** (2006) Hand Arm Vibration Field Studies and the Implication for Power Tools. A Report Submitted to JCB, Staffordshire.
- Edwards, D.J. (2006) Hand Arm Vibration Field Studies and the Implication for Power Tools. A Report Submitted to Network Rail.
- Edwards, D.J. and Holt, G.D. (2006) Hand Arm Vibration Field Studies on the TS 400. A Report Submitted to STIHL.
- **Edwards, D.J.** and Holt, G.D. (2005) Hand Arm Vibration Field Studies and the Implication for Power Tools. A Report Submitted to Hilti (Great Britain) Limited, Manchester.
- *M.A.H. Hassanan and* Edwards, D.J. (2004) Implementation of a Single Fuel Policy for all Off-highway Plant and Equipment Items. A report submitted to the Defence Logistics Organisation, UK Ministry of Defence.
- Edwards D.J. and Oloke, D.A. (2004) The Cost Benefit of Used Oil Analysis Over Fixed-Time-To Maintenance. A Report submitted to the Defence Logistics Organisation, UK Ministry of Defence.
- Edwards, D.J. (2002) Growth Strategy Forecast, Prepared for JCB Service, World Parts Centre, Waterloo Park, Beamhurst, Uttoxeter, Staffordshire.
- Edwards, D.J. (2002) Preventing Workplace Transport Accidents: A Consultation Response Document Submitted to the Safety Policy Directorate B7, Health and Safety Executive.
- Edwards, D.J. (2002) A Brief Reflection Upon the CTA Scheme for Plant Operator Training, A Confidential Report Prepared For Mr Peter Lobban, Chief Executive of the Construction Industry Training Board.
- Edwards, D.J. and Nicholas, J. (2001) Used Plant and Equipment Owner Survey: Profiling Customer Requirements and Purchasing Power, Prepared for JCB Service, World Parts Centre, Waterloo Park, Beamhurst, Uttoxeter, Staffordshire.
- Edwards, D.J. (1999) A Methodology for Predicting the Total Average Hourly Maintenance Cost of Tracked Hydraulic Excavators Operating in the UK Opencast Mining Industry, Doctor of Philosophy Thesis, University of Wolverhampton.