

APPENDIX B

TJ McCarthy - Academic Publications 2003-1983 (See also 20+ Further Commissioned Publications)

Paper Number	Year of Publication	Reference details
42	2004	'Excel spreadsheets for design of steel beams with multiple web openings' (T J McCarthy, R Schneider, N Cunliffe and C Barnshaw) Paper 158 Computational Structures Technology Conference, Lisbon, 7-9 Sept 2004, B. H. V. Topping and C. A. Mota Soares Eds, Publ Civil Comp Press, Stirling, 2004
41	2004	'The Management of City Centre Parking Traffic: Drivers' Information Needs and the Effectiveness of Parking Guidance and Information Systems' To be presented at European Transport Conference, to be held from 4 - 6 October in Strasbourg, France. With D J Ling and I Tsopelas
40	2004	<i>Evolutionary Design of Marine Riser Systems</i> , submitted to Offshore Mechanics and Arctic Engineering Conference, OMAE 2004, Vancouver, Canada with N Cunliffe, A Trim and C Baxter
39	2003	'Optimisation of tapered stress joints for offshore catenary risers' (N Cunliffe, TJ McCarthy and AD Trim) <i>The Structural Engineer</i> , Vol 81, No 20, pp 35-40
38	2003	'Application of Genetic Algorithms for the Automated Design of Offshore Riser Systems' (N Cunliffe and T J McCarthy) Proc 7 th Int. Conf. on the Application of Artificial Intelligence to Civil and Structural Engineering, Egmond aan Zee, The Netherlands 2-4 September 2003 (BHV Topping Ed) Paper 35, Civil Comp Press, 11 pages
37	2003	'Reinterpreting validation' (S Lord, TJ McCarthy, H Aleem, Y Zhao, PN Sharratt), Proc of Inst Mech Engrs , <i>Journal of Process Mechanical Engineering</i> , Vol 217 Part E, pp 287-293
36	2003	'An Information Based Approach to Validation' (H Aleem, S Lord, T McCarthy, P Sharratt and Y Zhao) <i>Pharmaceutical Engineering</i> , Volume 23 No. 4 July/August 2003
35	2003	'Pharmaceutical Process Validation: An Overview' (H.Aleem, Y. Zhao, S.V.Lord, T.J.McCarthy and P N Sharratt) Proc of Inst Mech Engrs , <i>Journal of Process Mechanical Engineering</i> , Vol 217 Part E, pp 141-151
34	2002	' Information Modelling for Validation in GMP' (S.V.Lord, Y.Zhao, T.J.McCarthy, P.N.Sharratt)9th ISPE International Conference on Concurrent Engineering Conference, Cranfield, 27 th -31 st July 2002
33	2002	'Process Modelling of Validation and product lifecycles' (S.V.Lord, H.Aleem, T.J.McCarthy and P N Sharratt) 8 th European Conference of Product and Process Modelling, Portoroz, Slovenia, Sept 9-11 2002
32	2002	'Knowledge based systems in structural steelwork design -A review' in <i>Engineering Computational Technology</i> Edited by: B.H.V. Topping and Z. Bittnar Saxe-Coburg Publications: pp 53-74, 2002: ISBN 1-874672-17-2
31	2002	'Car park search engine' (with I Tsopelas and DJ Ling) <i>Journal of Traffic Engineering and Control</i> , May 2002, pp 352-354
30	2002	'Maximize the Benefits of the Health and Safety File' (with HA Nour) 2 nd Int Conference of Postgraduate Research in the Built and Human Environment, Salford 11 -12 April 2002 , pp 650-660
29	2001	'Driver attitudes to the Parking Guidance Information System in Manchester' (with I Tsopelas and D J Ling), Volume 1 UTSG 33 rd Annual Conference, Oxford 3-5 Jan 2001.
28	2000	'Knowledge management in the designer/constructor interface' (with Kahn HJ, Elhag TMS, Williams AR, Milburn R, Patel MB, Morris, PWGM) in <i>Computing in Civil and Building Engineering</i> Volume 2, Fruchter R et al Eds, Publ. ASCE 2000 pp 836-843 ISBN 0-7844-0513-1
27	2000	'The role of IT in capturing and managing knowledge for organisational learning on construction projects' (with Patel MB, and Morris PWG, the Conference on Construction Information Technology, Reykjavik, Iceland June 28-30 2000.
26	1999	'AutoCAD2000 Productivity Study' (with R Shepherd) <i>Engineering Designer</i> , Journal of the Institution of Engineering Designers, Vol 25 No 6 pp 4-7 ISSN 0013-7858
25	1999	'A World Wide Web Based Crane Information System for Structural Designers', (with D Ruikar) in <i>Artificial Intelligence Applications in Civil & Structural Engineering</i> , Kumar, B and Topping B (Eds), CivilComp Press pp 23-29 ISBN0948749644

24	1999	'AutoCAD Express NT', Springer Verlag, London 1999 (ISBN 3540761551) 293 pages
23	1998	'Teaching Engineering Drawing through CAD' Habitat, No 6 pp 26-30 (ISSN 1362-5020)
22	1997	'Structural Design for Safety in a Computer integrated system' (with AS Khalil and ID Jones) in Computing in Civil Engineering, Adams, T (Ed), ASCE pp527-534, (ISBN 0-7844-0250-7)
21	1997	'A decision support system for construction led design' (with KO Yusuf, NJ Smith and W Tizani) in Proceedings of 4 th Congress on Computing in Civil Engineering, Adams, T (Ed), ASCE pp183-198, (ISBN 0-7844-0250-7)
20	1997	'Simulation of Steel Fabrication using JAVA' (with CH Ong) in Innovation in Civil & Construction Engineering, Leeming, MB and Topping (Eds) Civil Comp Press pp 281-286
19	1996	'Holistic Design in a Computer integrated construction environment' (with AS Khalil) in Knowledge-Based Systems in Structural Engineering - Current Developments and Future Trends, Anumba C. J. (Ed.), Institution of Structural Engineers, London, 1996
18	1996	'Object oriented fabrication cost model for the economic appraisal of tubular truss design' (with Tizani, WMK, Nethercot, DA, Davies, G, Smith, NJ) Advances in Engineering Software, Vol 27, No 1-2 pp 11-20, 1996
17	1996	'Incorporation of WWW Resources in Undergraduate Courses, Snapshots of Innovation, UMIST pp 40-43.
16	1995	'User interface for integrated design system' (with K O Yusuf and W M K Tizani), in Developments in Computer Aided Design and Modelling for Structural Engineering, Topping B (Ed), Civil Comp Press, pp 229-235
15	1995	'Learning through Computer Assisted Design and Detailing of Reinforced Concrete Beams' (with N Zygouris and M R Lamb), in Developments in Artificial Intelligence for Civil & Structural Engineering, Topping, B (Ed), Civil Comp Press, pp 247-253
14	1994	'A construction-led design process for tubular trusses' (with W Tizani and G Davies), Int Journal of Design Studies, Vol 15, No 3, pp 248-259
13	1994	'Cost modelling for the economic appraisal of tubular truss design' (with W Tizani et al), Artificial Intelligence and Object Oriented Approaches for Structural Engineering, Topping, BHV and Papadrakakis, M (Eds), Civil Comp Press, pp 59-67
12	1994	'Knowledge based design of Reinforced Concrete Structures' (with N Jain and J Attard), Artificial Intelligence and Object Oriented Approaches for Structural Engineering, Topping, BHV and Papadrakakis, M (Eds), Civil Comp Press, pp 43-46
11	1993	'A knowledge based approach to construction led structural design' (with W Tizani et al), in Informing Technologies for Construction, Civil Engineering and Transport, James A Powell and Roger Day (Eds), Publ SERC and Brunel University, London, 1993, pp 301-309
10	1993	'A knowledge based approach to the mitigation of the effects of construction delays' (with A Oztas and N J Smith), ARCOM 9th Annual Conference, Oxford 14-16 September 1993, pp 85-94.
9	1993	'Economic Appraisal of Tubular Truss Design' (with W Tizani et al), Fifth International Symposium on Tubular Structures, Nottingham 25-27 August 1993.
8	1993	'Knowledge based systems interface design: an object oriented approach' (with Z. Nouas), in Information Technology for Civil and Structural Engineers, B H V Topping and A I Khan (Eds) Proceedings of Third Int Conf on the Application of Artificial Intelligence to Civil and Structural Engineering, Edinburgh 17-19 August 1993, pp159-166.
7	1991	'A knowledge representation scheme for the design of hybrid structural steelwork connections' (with Z Nouas), Artificial Intelligence and Structural Engineering (Ed B V Topping) Civil Comp Press, Edinburgh, pp199-203.
6	1991	'Knowledge based system for steel fabrication' (with Z Nouas and A Muhammed), Structural Engineering Review, Vol 3, pp 255-264.
5	1989	'Spectral fitting procedures for double peaked wave spectra' Dock and Harbour Engineering Conference, KREC, Surathkal, India, 6-9 December, 1989.
4	1989	'An experimental expert system for the design of column base plates' (with Z Nouas) in Artificial Intelligence Techniques and Applications for Civil and Structural Engineers (Ed B.V Topping), Civil-Comp Press, Edinburgh, pp 217-220
3	1989	'An intercomparison of measured wave grouping parameters during a storm' Paper OTC5967, Offshore Technology Conference, Houston, Texas, 1-4 May, 1989. Vol 2 pp 99-106
2	1989	'Analysis of wave groups for the determination of low frequency drift forces on floating offshore

		<i>structures'</i> PhD thesis, Department of Civil Engineering, University College Cork.
1	1983	' <i>Dynamic analysis of suspended T.L.P. tethers during installation</i> ' MSc thesis, Cranfield Institute of Technology, Bedford, UK.

Other contributions by T J McCarthy

Number	Year	Nature of output
8	2003	Interactive Web based Flow charts for Steel Element Design to Eurocode 3 – Steel Construction Institute, Ascot, UK
7	2003	Mohr Circle – Web based CAL program with T Sims
6	2003	Shear – Web based CAL program with FS Abdul Rahman
5	2002	Limit Analysis Web Base CAL program with Student Seng Wee Pang
4	2002	Dynamic Equilibrium Web based CAL program with Student Jiten Davdra
3	2001	Member of Technical Editorial Board of SCI Publication P281 Design of Curved Steel, ISBN 1 85942 126 1
2	2000	UMIST -Plastic CAL Package with Tony Teo
1	2000	SSA- Web based CAL Software with UG Student Tony Teo

Commissioned Publications by T J McCarthy

No	Year of Publication	Reference Details
27	In progress	' <i>Learning resources for schools and colleges on Cold bending of Steel</i> ' – series of Powerpoint presentations - Barnshaws Steel Bending Group, Anchor Lane, Coseley, West Mids W14 9NE
26	In progress	' <i>Software for the design of Porthole beams</i> ' - Barnshaws Steel Bending Group, Anchor Lane, Coseley, West Mids W14 9NE
25	In progress	' <i>Cold formed structural Box, Hexagon and Octagon sections</i> ' Technical data and section properties - Publ Barnshaws Steel Bending Group, Anchor Lane, Coseley, West Mids W14 9NE
24	2002	' <i>Porthole Beams</i> ' Publ Barnshaws Steel Bending Group, Anchor Lane, Coseley, West Mids W14 9NE
23	2002	' <i>Porthole beams - Technical Information & Section Properties</i> ' Publ Barnshaws Steel Bending Group, Anchor Lane, Coseley, West Mids W14 9NE
22	1999	' <i>AutoCAD Express NT</i> ', Springer Verlag, London 1999 (ISBN 3540761551) 293 pages
21	1994	' <i>AutoCAD for Windows Express</i> ' Springer Verlag, London, Heidelberg and New York, 314 pages.
20	1993	' <i>AutoCAD Tips - 7, Making curves</i> ' CAD/CAM, Vol 12, No 2, pp 73-77
19	1992	' <i>Fired up</i> ' CAD User, Vol 5, No 3, pp 52-54
18	1992	' <i>AutoCAD Tips - 6, Making libraries</i> ' CAD/CAM, Vol 11, No 11, pp 47-48
17	1992	' <i>AutoCAD Express II, 2nd Edition</i> ' published by Springer Verlag, Heidelberg, 333 pages
16	1992	' <i>AutoCAD Tips - 5, Icon menus</i> ' CAD/CAM, Vol 11, No 10, pp 53-54
15	1992	' <i>AutoCAD Tips - 4, Successful slides and scripts</i> ' CAD/CAM, Vol 11, No 6, pp 49-50
14	1991	' <i>ETEXT Text editor for AutoCAD</i> ' CAD/CAM, Vol 10, No 11, p14
13	1991	' <i>AutoCAD Tips - 2, Easy text replacement with Release 11</i> ' CAD/CAM, Vol 10, No 10, p26
12	1991	' <i>AutoCAD Tips - 1, Easier text editing</i> ' CAD/CAM, Vol 10, No 8, p22
11	1991	' <i>A Complete AutoCAD Databook</i> ' book review, Int J Mech Engrg Education
10	1991	' <i>AutoCAD Express (Third-world edition)</i> ' published by The Narosa Publishing House, New Delhi, India.
9	1991	' <i>AutoCAD Express (Revised reprint)</i> ' published by Springer Verlag, Heidelberg, 312 pages.
8	1991	' <i>Fast-Track Rail Link</i> ' CAD User, Vol 4, No 1 CAD in Building Supplement, pp xxv -xxviii.
7	1991	' <i>AutoCAD Firepower</i> ' CAD User, Vol 4 No 1, pp 22-24.
6	1990	' <i>Put a BUG in your system - voice recognition technology</i> ' CAD User, Vol 3, No 10, pp 32-36.
5	1990	' <i>AutoCAD Express</i> ' Book Published by Springer Verlag, Heidelberg, 312 pages.
4	1989	' <i>CAD Standards</i> ', CAD User, Vol 2, No 8, pp 26-31.
3	1989	' <i>AutoView</i> ' software review, CAD User, Vol 2, No 8, pp 37-41
2	1989	' <i>ParaCAD: powerful new AutoCAD add-on</i> ' software review, CAD User, Vol 2, No 3, pp 53-57.
1	1988	' <i>AutoCAD methods and Macros - Not for Beginners</i> ' Book Review for Flexible Manufacturing

