

# CURRICULUM VITAE

## Barry Eaglestone

### 1. PERSONAL DETAILS

<b>Surname:</b> Eaglestone	<b>Forenames:</b> Barry Michael
<b>Date of Birth:</b> 28th April 1949	<b>Department:</b> Information Studies
<b>Education after school</b>	North Staffordshire Polytechnic 1968-72
<b>Qualifications:</b>	B.Sc. (Hon) Computer Science CNA, North Staffordshire Polytechnic (Class 2/Division 1) 1972 Member of the British Computer Society (MBCS) 1977 Ph.D. (Computer Science) CNA, Huddersfield Polytechnic 1985 Chartered Engineer (BCS and IEE) 1990 Chartered Information Technology Professional (BCS) 2004
<b>Current appointment:</b>	Senior Lecturer in Information Systems, Department of Information Studies, University of Sheffield 1998- present
<b>Previous appointments:</b>	Lecturer/Senior Lecturer in Computer Science, University of Bradford, Department of Computing 1986-98 Lecturer/Senior Lecturer in Computing, Huddersfield Polytechnic, Department of Computer Studies and Maths 1977- 86 Computing Officer, Salford University, Computing Laboratory 1975-77 Research Assistant, Oxford University, Experimental Information Unit 1973-75 Research Programmer, Boots Co. Ltd. Nottingham 1972-73 Scientific programmer, Royal Aircraft Establishment, Bedford 1970-71 Trainee Programmer, Ever Ready Co. Ltd, Whetstone, London 1967-68

### 2 RESEARCH

#### 2.1 RESEARCH AREAS

My main area of research is **advanced databases systems**, in which I use interesting applications, such as in museums, music and healthcare, as catalysts for theoretical and

technological studies of databases as an enabling technology. Following this approach I have investigated the following areas:

- **Multidatabase:** integrated access and manipulation of data physically stored in autonomous, heterogeneous, database systems. Specifically, I have researched schema integration, the management of schema evolution, validation of integrated data and management of multidatabase Web transactions;
- **Temporal databases:** representation and manipulation of information that is characterised by time. The catalysts for this research have been applications in healthcare (electronic health records and care pathways in particular), music informatics and archaeological research. This work has been conducted partly through research funded by the EU (Framework 5 MOSART IHP Network), the National Museum of Denmark and the Arts and Humanities Research Council (AHRC).
- **Database support for creative applications.** My research in this area is ongoing, mainly through collaboration over the last decade and a half with composers of electroacoustic music. I have co-ordinated a study of composition tools within the MOSART IHP Network. Also, I was a founder member of the EPSRC-funded Digital Music Research Network (DMRN) and co-author of the Road Map for Digital Music Research produced by the DMRN. More recently, results published in a paper presented at the International Computer Music Conference of 2007 was awarded the Journal of New Music Research distinguished paper award.
- **Audio database:** I have researched various aspects relating to audio databases with funding from Apple Corporation and Musicom Ltd. Specific issues addressed are, efficient storage of data for additive synthesis, direct manipulation of sounds within a perceptual timbre space, and the storage and analysis of bird calls.
- **Semi-structured databases:** I am currently studying XML databases. Specific issues being addressed are, performance issues relating to SQL/XML, and XML indexing.
- **Information seeking behaviour:** I am currently conducting this research through the second of two consecutive AHRC-funded research projects, jointly with Professor Nigel Ford. The research is employing a semantically enriched temporal data model and similarity matching algorithms to provide and analyse graphical representations of internet search transformations, with the aim of identifying characteristic information seeking behaviour on the web. The work has moved into a new phase in which we are investigating the impact of meta-cognitive interventions and strategies on information seeking effectiveness.

▪ **RESEARCH GRANTS AND CONTRACTS**

Nov 2007- Oct 2009	<i>Developing effective Web-based information seeking for inquiry-based learning: a meta-cognitive approach</i> <b>Professor Nigel Ford</b> , Dr Barry Eaglestone, Peter Holdridge	£318,423
Feb 2005– Aug 2007	<i>A study of query transformation in Web searching using temporal database techniques.</i> AHRB <b>Professor Nigel Ford</b> , Dr Barry Eaglestone	£230,000
Nov 2003- Feb 2004	<i>An investigation of knowledge management in SMEs.</i> HEIF Knowledge Exchange Project Team: <b>Dr Miguel Nunes</b> , Dr Barry Eaglestone (Sheffield University); Mr (Richard Wakefield (Kusala Web Developments Ltd)	£9,000
Sept 2000- Aug 2003	<i>Music Orchestration Systems in Algorithmic Research Technology (MOSART) Research Training Network</i> EU FW5 IHP programme Project Manager: <b>Dr Jens Arnsprang</b> , (DIKU, Copenhagen); <b>Dr Barry Eaglestone</b> , Site co-ordinator (Sheffield University) and Task manager for investigation into composition tools. 13 European partners including Sheffield	Approximate project funding £900,000 Sheffield's share £80,000
April-Dec 2001	<i>Problem-based learning in professional development: design, pilot and evaluation of multimedia case study approach</i> University of Sheffield Learning and Teaching Development group <b>Phillipa Levy</b> , Dr Peter Bath, Andrew Booth, Dr Barry Eaglestone, Paula Procter, Dr Mark Sanderson, Maggie McPherson	£49,393
2002-2005	<i>Digital Music Research Network</i> EPSRC <b>Queen Mary, University of London (coordinator)</b> , City University, London, University of Cambridge, University of Glasgow, University of Sheffield, University of Surrey, University of York	Project funding £59,000
1998- 2001	<i>To reverse engineer Healthcare Environment's IS (Information System)</i>  <b>TCS Programme</b> (British National scheme to link the university to the industry) in collaboration with Healthcare Environments Ltd, Barnsley.  The project aimed to in order to allow proper	£59,832.

	<p>documentation of the project, sustained development of their knowledge management system, and further development of the firm's IT infrastructure using a coherent and consistent process.</p> <p>At the end of the project, the project was independently assessed on behalf of the TCS and received a Grade 2 (out 1- excellent to 6 - unsatisfactory).</p> <p><b><u>Dr Miguel Nunes, Dr Barry Eaglestone</u></b></p>	
1999	<p>NHS Direct Casemix Evaluation: Evaluation of coding systems for NHS Direct (Subcontracted work)</p> <p>NHS</p> <p><b><u>Dr Barry Eaglestone</u></b>, (subcontracted by Dr James Munro (ScHARR))</p>	£1,500
1999-2000	<p><i>CANBase: Implementation of a Web-information resource of Cancer Education information (Subcontracted work)</i></p> <p>NHS</p> <p><b><u>Dr Barry Eaglestone</u></b>, Dave Miller, Dr Miguel Nunes (subcontracted by Joy Harrison (Nursing and Midwifery))</p>	£6,000
1997-1998	<p><i>Travel grants for collaborative research with Dr Desai, Concordia University, Montreal.</i></p> <p>British Council</p> <p><i>Dr Bipin Desai, <b><u>Dr Barry Eaglestone</u></b></i></p>	£1,000
1996	<p><i>Travel grant for collaborative research with the Danish National Museum</i></p> <p>National Museum of Denmark</p> <p><b><u>Dr Barry Eaglestone</u></b>, Dr Rob Holton</p>	£500
1994.	<p><i>An investigation into efficient representation of additive synthesised waveforms.</i></p> <p>Musicom Ltd.</p> <p><b><u>Dr Barry Eaglestone</u></b></p>	<p>Loan of equipment, valued at £5,000</p> <p>Ph.D. Studentship</p>
1992-1993	<p><i>Equaluation of periferals for timbre space-based direct manipulation of sounds</i></p> <p>Apple Computer Corp</p> <p>Roel Vertegaal, <b><u>Dr Barry Eaglestone</u></b></p>	<p>Loan of equipment valued at £10,000</p>
1991	<p><i>British Council ARC award for collaboration with the Royal Institute of Technology, Stockholm.</i></p> <p>British Council</p> <p><b><u>Prof Tamas Ungvary, (Royal of Technology, Stockholm), Dr Barry Eaglestone</u></b></p>	£1,116

1991	<i>British Council ARC Exploratory visit award, for collaboration with the Royal Institute of Technology, Stockholm</i> British Council <b>Dr Barry Eaglestone</b>	£500
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In addition to the above, I am also an invited collaborator on the EU-funded IntraMEDnet project (<http://www2.cs.ucy.ac.cy/intramednet/>) which is studying e-learning material in medical informatics.

## 2.2 Publications

- 3 text books on database theory and technology.
- 8 proceedings for international conferences on databases and data management.
- Over 80 refereed full papers in books, journals and conferences.
- Various invited lectures and seminars in Europe, the United States, Pakistan and China.
- Journal of New Music Research Distinguished Paper award of the best paper in the International Computer Music Conference 2007

## 2.3 Research leadership

I have occupied the following research leadership roles, over recent years:

- Co-ordinator of the Sheffield University Department of Information Studies Information Systems Research Group (1998 - present )
- Director of the Centre for Health Information Management Research (2000 - 2004)
- Co-ordinator of the Sheffield University Musical Informatics Research Group (1999 . present).
- Member of the Technical Advisory Group for the CarePlus Project (<http://www.careplus.info/>) (2000-2002)

## 3 TEACHING

### 3.1 CURRENT UNDERGRADUATE AND POST GRADUATE TEACHING

I am module leader for the following two modules:

- 1999-present: Database Design (c100 students; Postgraduate and Undergraduate; 12 teaching weeks; 24 hours lectures);

Also, I am a member of the module teams for the following modules:

- 2004: Information Systems and the Information Society (c40 students; Undergraduate; 24 hours lectures)
- 1998-present: Information Systems Modelling.(c170 students; Postgraduate / Undergraduate, 12 teaching weeks; 24 hours lectures)
- 2001-present Electronic Commerce and Electronic Business (Prograduate, 12 teaching weeks)
- 2000-2004 Humanities Computing (Postgraduate, 2 guest lectures)

### 3.2 PREVIOUS UNDERGRADUATE AND POSTGRADUATE TEACHING

- 1998-2007: Information Management and Technology (IM&T) in Healthcare (c20 students; Postgraduate; 12 teaching weeks by Distance Learning)
- 2000-2002: System Management (Postgraduate, 12 teaching weeks by Distance Learning) Module co-ordinator.
- 1998-2000: Information Management and Technology in Healthcare (Postgraduate)
- 1998-2000: Information Management and Policy (Postgraduate)
- 1998-2000: Organisation, Management and Information Systems (Postgraduate)
- 1986-1998: Previously, as a lecturer at the University of Bradford I was responsible for all specialist teaching on database systems, in addition to contributing to the formal methods teaching.

### **3.3 RESEARCH SUPERVISION AND EXAMINING**

I have a track record of successful Ph.D. supervision and examining in the areas of database, music informatics research and health informatics:

- First supervisor for 7 Ph.D. students and 1 M.Phil student to completion. Currently, Supervisor to 2 MPhil/PhD students.
- External PhD examiner (at Aalborg Univeristy, Esbjerg; University of East Anglia; Leeds University; Manchester University; Cardiff University; Bradford University; Sheffield Hallam University; City College, Dublin; Coventry University, Loughborough University, Glasgow University) for 12 Ph.D.s, 2 M.Phil and 2 M.Sc. by Research. Internal examiner for 9 Ph.D.s and 1 M.Phil; External Expert reviewer for MPhil/PhD transfer (Coventry).

### **3.4 TEACHING INNOVATION AND DEVELOPMENT**

- 1998-2000: I co-ordinated and steered the development of a new distance learning M.Sc. in Health Informatics, introduced in 2000/2001.
- I have been made a significant contribution to establishing new curriculum for emerging topics in the area of database technology, through course development and publication of three well-reviewed textbooks, respectively on Relational Databases (rated as 5\* on Amazon), Object Databases (rated as 4\* on Amazon) and Web Databases. All three books have featured widely and internationally on reading lists for graduate and postgraduate courses. The Object Databases book was also on the reading list for the BCS professional examinations.
- In 2003, I was invited to give the keynote speech at the Workshop for Teaching, Learning and Assessment in Databases. The paper presented was subsequently refereed and published in the ITALIC electronic journal.
- In 2007 I was a keynote speaker at the International Symposium on “Medical Education: Trends and Challenges”, in Alexanroupolis.
- Key note speaker at Information Systems 2009, Barcelona.
- I am frequently invited as a guest lecturer on advanced database courses, both in the UK and overseas. Until recently I have given guest lecturers annually at Derby University and DRH in Vienna. I have also given guest lectures at other universities in the UK, Denmark, Holland, Finland and Greece. In 1998 I gave an invited seminar series on new advances in databases at Nanning University of Nationalities, China. In 2005 I gave a series of lectures and seminars on advanced database systems and research issues at COMSATS Institute of IT at their Wah, Islamabad and Abotabad campuses, as a guest academic.

## ADMINISTRATION

### 4.1 CURRENT ADMINISTRATIVE ACTIVITIES

- 2003-present Member of the Advisory Committee for the South Eastern European Research Centre (SEERC), Thessaloniki.
- 1998-present Co-ordinator of the Department of Information Studies Information Systems and Management Research Group.
- 1998-present: Programme co-ordinator: M.Sc. in information Systems
- 1998-2005: Programme co-ordinator: M.Sc. in Health Information Management
- 1998-present: Member of the Department of Information Studies Research Committee
- 1998-2005: Director of the Centre for Health Information Management Research
- 1999-2006: Moderator: Franchised M.Sc in Information Systems at City Liberal Studies, Thessaloniki, Greece. 1999-present:
- Moderator: Validated M.Sc in Creativity, Innovation and Technology at City Liberal Studies, Thessaloniki, Greece.
- 1999-present: Co-ordinator of the Sheffield University Music Informatics Research Group
- 2000-present: Member of the Faculty of Pure Science Teaching Quality Board

### 4.2 PREVIOUS ADMINISTRATIVE ACTIVITIES

- 1999-2004: Member of the Department of Information Studies Strategy Group
- 1998-2003: Member of the Faculty of Pure Sciences Board
- 1999-2002: Member of the M.Sc in Health Informatics (Distance Learning) course management group.
- 1998-1999: Member of the Management Board for the CTI for Nursing and Midwifery

### 4.3 INNOVATIONS IN ADMINISTRATION

- Definition and implementation of a management model for the new MSc in Health Informatics (Distance Learning) programme, based upon programme management group and a distance learning research group working in tandem.

## 5 PROFESSIONAL POSITIONS AND ACTIVITIES

- Invited Collaborator to the EU-funded mEducator project (2009)
- **Invited Collaborator** to the InterMEDNet project (2007).
- **Panel member** for the Healthcare Computing 2008 “Research in Focus” Panel, April, 2008; BNCOD Ph.D. Summer School, July, 2006; the ICMC 2007 ArtAbilitation Panel; the CMMR 2007 “Music and Meaning” Panel.
- **Panel member** for the **Irish Health Research Board's funding programme** and for the **Irish Health Information and Quality Authority** in 2005/6
- **External advisor** re planning of an Information Management / Knowledge Management course for Baltic and Nordic PhD Doctoral Programme (2006)
- **Reviewer for the Science Foundation Ireland** (2004- ), Cancer Research Wales (2005-present) and for the Scottish Executive Health Department (2006).

- **External Expert Advisor** to the School of Informatics and Cybernetics, University of Bradford (2003-2008).
- **Member of the EPSRC Peer Review College** (2003 – 2005) and (2006-2009), and **EPSRC Computer Science Panel member** (2005, 2007).
- **External Examining** for: MSc in Information Management, University of Hong Kong, MSc in Computing/Information Systems Management at De Montford University (2005-2008); MSc in Information Systems Engineering, University of Cardiff (2004/05); MSc in Computing at Wolverhampton University (2003 – 2006); M.Sc. in Computing/Information Systems at the University of Liverpool (2001-2005); Information Technology and Multimedia at Middlesex University (1999-2003); Undergraduate Computing courses at the University of Derby, with responsibility for database, object-oriented design and research methods modules (1998-2001)
- **Originator and Steering Committee member** for International Database Engineering and Applications Symposium (IDEAS) (1996-98).
- **Steering Committee Chair** for the International Symposium on Health Information Management Research (iSHIMR) (1998-present).
- **Steering Committee Member** for the British National Conference on Databases (BNCOD) (2002- present)
- **Programme Committee Chair** for: 10<sup>th</sup> Symposium on Health Information Systems Management Research (SHIMR'2005), Thessaloniki, Greece 2005, 6th Symposium on Health Information Systems Management Research (SHIMR'2001), Halkidiki, Greece 2001; the 2nd International Database Engineering and Applications Symposium (IDEAS'97) August, 1997, Montreal; the 2nd International Database Engineering and Applications Symposium (IDEAS'98), July, 1998, Cardiff.
- **Organising Committee Chair** for: the 19th British National Conference on Database (BNCOD'2002), the Symposium on Health Information Systems Management Research (iSHIMR)'(1998, 1999, 2000, 2002, 2004); the 1st International Workshop on Verification, Validation and Integrity Issues of Expert and Database Systems, part of DEXA'98 (Vienna)
- **Programme committee member / reviewer** for: various conferences, including: Computer Based Medical Systems (CBMS2008) special track on Technology Enhanced Learning in Medical Education; CMMR 2007, ICMC 2007, BNCODwebim 2007, WEBIST 2006, 2007, 2008, International Conference Series on Disability, Virtual Reality and Associated Technologies (ARTABILITATION 2005, 2006, 2008), the International Workshop on Web and Mobile Information Systems (WAMIS'05, '06, '07), BNCOD (1993-1995, 2002, 2003, 2004, 2005, 2005 - present); the International Symposium on Health Information Management Research (iSHIMR) (1998-present); International Workshop on Engineering Federated Information Systems (1999, 2000; 2003); the European Conference on Validation and Verification (EUROVAV'99) (1999); SCI (2001-present); DBA (2004); CMMR 2003 and 22004; 1st International Workshop "Knowledge, Ontology, Metadata and Meaning Matters" (KOM3); Information Resources Management Association (IRMA) (2002); DBA (2003, 2004, 2005).
- **Reading Panel member** for the International Computer Music Conference. (1995, 2007)
- **Member of the Editorial Board** for the Journal of Music and Meaning (2004 - ), the Health Informatics Journal (2005 - ...).
- **Academic Mentor** for a member of the lecturing staff at the University of Hong Kong



- **Referee and reviewer** for various journals, including: ACM Transaction on the Web, Information Sciences, International Journal of Art & Technology, Software Practice and Experience, IEEE Transactions on Knowledge and Data Engineering, Data and Knowledge Engineering Journal, The Computer Journal, Electronic Letters, The Journal of Information and Software Technology, Information Research, and SCI Journal. Panel member to select best International Computer Music Conference paper (2008).

## 6 Publications

### 6.1: Books

#### 6.1.1: Textbooks

1. Eaglestone BM, Ridley MJ (2001) **Web Databases**, MacGraw Hill, 2001, ISBN 0-07-709600-2, 468 pages.
2. Eaglestone BM, Ridley M, **Object Databases: An Introduction**, McGrawHill, ISBN 0-07-709354-2, November 1997. 370 pages.
3. Eaglestone BM, **Relational Databases**, Stanley Thorne Computer Studies Series, 1991, ISBN 0-7487-1176-7, 316 pages.

#### 6.1.2: Edited books and chapters

4. Eaglestone, B., Ford, N., Holdridge, P, Carter, J. (2008) Cognitive styles and computer-based creativity support systems: two linked studies of electro-acoustic music composers, **Sense of Sounds, CMMR Post-conference publication**, Editor(s): Richard Kronland-Martinet, Sølvi Ystad and Kristoffer Jensen, Lecture Notes in Computer Science 4969 , pp 74-97
5. Bamidis P, Bath PA, Eaglestone BM, Sotiriadou A (editors) (2005) **Proceedings of 10th International Symposium on Health Information Management Research, Sheffield, September 2005**.
6. Bath PA, Eaglestone BM, Procter P (editors) (2004) **Proceedings of 9th International Symposium on Health Information Management Research, Sheffield, June 2004**, Sheffield University Press, 2004.
7. Dowd C, Bath PA, Eaglestone BM, Procter P (editors) (2002) **Proceedings of 7th International Symposium on Health Information Management Research, Sheffield, June 2002**, Sheffield University Press, 2002.
8. Eaglestone BM, North S (editors) (2002) **Proceedings of 19th British National Conference on Database**, Springer Lecture Notes in Computer Science, 2405, Berlin, 2002.
9. Dowd C, Bamidis P, Eaglestone BM (editors) (2001) **Proceedings of 6th International Symposium on Health Information Management Research, Halkidiki, June 2001**, Sheffield University Press, 2001.
10. Dowd C, Eaglestone BM (editors) (2000) **Proceedings of 5th International Symposium on Health Information Management Research, Sheffield, June 2000**, Sheffield University Press.
11. Dowd C, Eaglestone BM, Bowns I (editors) (1999) **Proceedings of 4th Symposium on Health Information Management Research, Sheffield, June 1999**, Sheffield University Press.
12. Masood N, Eaglestone BM (1999) *Ontology-based verification and validation of federated database systems*, **Validation and Verification of Knowledge Based Systems: Theory, Tools and Practice**, Vermesan A, Coenen F (editors), Kluwer Academic Publishers, The Netherlands, pp 327-342.

13. Coenen, F, Eaglestone BM, M.Ridley MJ (1999) *Validation, verification and integrity in knowledge and database systems: Future directions, Validation and Verification of Knowledge Barsed Systems: Theory, Tools and Practice*, Vermesan A, Coenen F (editors), Kluwer Academic Publishers, The Netherlands, pp 297-312.
14. BM Eaglestone, B Desai and J Shao (editors) (1998) **Proceedings of 2nd International Database Engineering and Applications Symposium**, Cardiff, July 1998', IEEE, 1998.
15. Desai B, Eaglestone BM (editors) (1997) **Proceedings of the First International Database Engineering and Applications Symposium, Montreal'**, IEEE, ISBN 0-8186-8114-4, August, 1997.
16. Eaglestone BM, *Extending the Relational Database Model for Computer Music Research, Computer Representations and Models in Music*, Academic Press, 1992, ISBN 0-12-473545-2, pp 41-66.

### 6.3: Refereed Journals

17. Genevieve Gorrell, Andrew Madden, Peter Holdridge, Barry Eaglestone and Nigel Ford (2009), Metacognitive Skills of Web Searchers: Results from an Observational Study, Journal of Documentation (in press).
18. Nigel Ford, Barry Eaglestone, Andrew Madden, Martin Whittle (2008) Web searching by the "general public": an individual differences perspective. Journal of Documentation Vol 65, No 4, 2009, pp 632-667.
19. Genevieve Gorrell, Barry Eaglestone, Nigel Ford, Peter Holdridge and Andrew Madden (2008) Towards "metacognitively aware" IR systems: an initial user study. Journal of Documentation (in press).
20. Eaglestone, B., Ford, N., Holdridge, P, Carter, J. (2008) *Are cognitive styles an important factor in the design of electroacoustic music software?* Journal of New Music Research, Vol 37(1), March 2008 , pp. 77-85
21. Barry Eaglestone, Panagiotis D Bamidis, "Music composition for the multi-disabled: A systems perspective, International Journal on Disability and Human Development, Special issue on Human development through interactive environments, Vol 7(1), 2008, January - March, pp. 19-24, Freund OPublishing House Ltd, Israel, ISSN 1565-01 2X
22. Whittle M, Eaglestone B, Ford N, Gillet VJ, Madden A. (2007) *Data Mining Of Search Engine Logs*, Journal of the American Society for Information Science and Technology (in press)
23. Eaglestone B, Ford N, Brown G, Moore AJ (2007) *Information systems and creativity: an empirical study*, Journal of Documentation Vol. 63 No. 4., August 2007, pp. 442-464.
24. Whittle M, Eaglestone B, Ford N, Gillet V.J., Madden A (2006), *Query Transformations And Their Role In Web Searching By The General Public*, Information Research, Volume 12 No 1 October, 2006 [<http://informationr.net/ir/12-1/paper276.html>]
25. Miguel Baptista Nunes, Fenio Annansingh and Barry Eaglestone (2006) *Knowledge Management Issues in Knowledge-Intensive SMEs*, Journal of Documentation, vol. 62, No. 1, 2006, oo. 101-119.
26. Miguel Baptista Nunes, Fenio Ananasingh, Eaglestone BM, Wakefield, R. (2005) *Managers' Perceptions Of The Value Of Knowledge Management In Small And Medium Sized Knowledge-*

*Intensive Enterprises (SMEs)*, **Journal of Knowledge Management Practice**, Vol 6, ISSN 1705-9232

27. Younas M, Eaglestone BM, (2004) *A Low-Latency Resilient Protocol for E-Business Transactions* **International Journal of Web Engineering and Technology**, Inderscience, Vol.1, No.3, 2004, 278-296.
28. Masood, N., Eaglestone, BM (2004) Component and Federation Concept Models in a Federated Database System **Malaysian Journal of Computer Science**, Vol. 16, No. 2, pp(47-57), Dec., 2003
29. Eaglestone BM, Nunes JM (2003) *Pragmatics and practicalities of teaching and learning in the quicksand of database syllabuses*, **Electron Journal of Innovations in Teaching And Learning in Information and Computer Sciences (ITALICS)**, LTSN Centre for Information and Computer Sciences, .Vol 3, Issues 1, Jan 2004, <http://www.ics.ltsn.ac.uk/pub/italics/vol3iss1.htm>
30. Orfanidis L, Bamidis P, Eaglestone BM (2004) *Data Quality Issues in Electronic Health Records: An adaptation framework for the Greek Health System*, **Health Informatics Journal**, SAGE 10(1), pp 23-36.
31. Eaglestone BM, Lin A, Nunes MB, Annansingh F (2003) *Intention and effect of IS solutions: does risk management stifle creativity?* **Journal of Information Science**, CILIP, 29(4) 2003, pp 269-278.
32. Eaglestone BM, Ford N (2002) *Computer support for creativity: Help or Hindrance*, **ARiADA Texts**, No2, 2002.
33. Bacigalupo R, Bath PA, Booth A, Eaglestone BM, Procter P (2002). *Studying health informatics from a distance: issues, problems and experiences*. **Health Informatics Journal**, Sheffield Academic Press, 2002, 7.3/7.4, pp.138-145.
34. Rebbeck M, Corrick R, Eaglestone BM, Stainton C (2001). *Recognition of individual European Nightjars *Caprimulgus europaeus* from their song*. **Ibis** (2001) 143, pp 468-475.
35. Coenen F, Eaglestone BM, Ridley MJ (2001) *Verification, Validation and Integrity Issues in Expert and Database Systems: Two Perspectives*. **International Journal of intelligent Systems**, John Wiley & Sons, 2001, Vol 16, 425-447.
36. Millns I, Eaglestone BM (2001) *An Integrity Constraint for Database Systems Containing Embedded Static Neural Networks*. **International Journal of intelligent Systems**, John Wiley & Sons, 2001, Vol 16, 307-318.
37. Eaglestone BM, Bath PA (2000) *Continuing Professional Development in Healthcare by Distance Learning*, **IFMH Inform**, Vol 9(3), pp 9-11.
38. Coenen F, Bench-Capon T, Boswell B, Dibie-Barthelemy J, Eaglestone BM, Gerrits R, Regoire, Ligeza E, Ligeza A, Laita L, Owoc M, Sellini F, Spreeuwenberg S, Vanthienen J, Vermesan A, Wiratunga N (2000). *Validation and verification of knowledge-based systems: report on EUROAV99*, **The Knowledge Engineering Review**, Vol 15:2, 2000, 187-196, UK, Cambridge University Press.
39. Oates S, Eaglestone BM (1997) *Analytical Methods for Group Additive Synthesis*, **Computer Music Journal**, MIT Press, pp 21-40, Vol 21, No 2, Summer 1997.
40. Conrad S, Eaglestone BM, Hasselbring W, et al. (1997) *Research Issues in Federated Database Systems: Report of EFDBS'97 Workshop*, **SIGMOD**, Vol 26, No 4, December, 1997, pp 54-56.

41. Vertegaal R, Eaglestone BM (1996) *An evaluation of input devices for timbre-space navigation tasks*, **Interacting with Computers**, Elsevier Science B.V., March 1996, 18(1), pp 13-30.
42. West M, Eaglestone BM (1992) *Software Development: Two Approaches to Animation of Z Specifications Using Prolog*, **Software Engineering Journal**, IEE and BCS, No 7(4), July, 1992. pp 264-276.
43. Eaglestone BM, Partington NJ (1979) *A Minicomputer Network based on ICL 2900 Protocol*, **Software Practice and Experience**, November, 1979.
44. Leggate P, Eaglestone BM, Jarman RM, Norgett MN, Williams AP (1977) *An on-line system for handling personal data bases on a PDP11/20*, **Aslib Proceedings**, 29(2), February, 1977, pp56-66.

### 6.5: Refereed Conference Papers

45. Barry Eaglestone, Peter Holdridge, Nigel Ford, (2009) The Challenge of Standards for Cognitive Styles Adaptable Biomedicine Learning Object, ITAB 2009, Larnica, Cyprus. (under review)
46. G. Gorrell, N. Ford, A. Madden, P. Holdridge, B. Eaglestone (2009) COMMON METHOD VARIANCE IN QUESTIONNAIRE-BASED STUDIES OF METACOGNITION, EDULEARN09, Barcelona
47. A.D. Madden, G. Gorrell, N. Ford, B. Eaglestone, P. Holdridge (2009) DEVELOPMENT OF STRATEGY IN ONLINE SEARCHING: A METACOGNITIVE FOCUS, EDULEARN09, Barcelona
48. Al-Badawi M, Eaglestone, B., North, S.(2009) PACD: A Bitmap-based Framework for Processing XML Data. Proceedings of the 5<sup>th</sup> International Conference on Web Information Systems and Technologies (WEBIST 2008), (in press)
49. Barry Eaglestone, Nigel Ford, Andrew Madden and Martin Whittle (2008) Information Seeking for Lifelong Learning: One Size Doesn't fit all. The Proceedings of the 7th European Conference on e-Learning, Edited by Dr Dan Remenyi, Academic Publishing Limited, Reading, UK, ISBN: 978-1-906638-22-1, pp 334-341
50. Genevieve Gorrell, Andrew Madden, Peter Holdridge, Nigel Ford, Barry Eaglestone (2008) The Role of Meta-Cognition in web Searching to Support Inquiry-Based Learning. The Proceedings of the 7th European Conference on e-Learning, Edited by Dr Dan Remenyi, Academic Publishing Limited, Reading, UK, ISBN: 978-1-906638-22-1, pp 443-450
51. Andrew Madden, Barry Eaglestone, Nigel Ford, Genevieve Gorrell and Martin Whittle (2008) Teaching Internet Search Skills: Some Evidence-Based Lessons. The Proceedings of the 7th European Conference on e-Learning, Edited by Dr Dan Remenyi, Academic Publishing Limited, Reading, UK, ISBN: 978-1-906638-22-1, pp 142-147
52. Abdel Kader, Y., Eaglestone, B., North, S.(2008) An Analysis of Relational Storage Strategies for Partially Structured XML. Proceedings of the 4<sup>th</sup> International Conference on Web Information Systems and Technologies (WEBIST 2008), Madeira, Portugal, May, Volume 1: Internet Technology & E-Learning, Edited by José Cordeiro, Joaquim Filipe and Slimane Hammoudi 2008, ISBN: 978-989-8111-26-5, pp 165-170.
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