
CURRICULUM VITAE

Mike Sharples

Date of birth: 14th December 1952

Education and employment:

1972 – 1976	St. Andrews University	BSc. Hons. Computational Science (2.1)
1977 – 1980	University of Edinburgh, Dept. of Artificial Intelligence	Postgraduate student
1984	PhD thesis	<i>Cognition, Computers and Creative Writing</i>
1981 – 1982	Research Fellow, The Open University	Coordinator, evaluation of <i>CYCLOPS</i> telewriting system
1982 – 1984	Research Fellow, University of Edinburgh	ESRC funded project: <i>The Development of a Cognitive Theory of Writing</i>
1984 – 1993	Lecturer in Artificial Intelligence, University of Sussex	
1993 – 1997	Senior Lecturer, School of Cognitive and Computing Sciences, University of Sussex	
1997 –	Kodak/ Royal Academy of Engineering Research Professor of Educational Technology, University of Birmingham	

Research Grants:

1987	1 year personal research fellowship and equipment grant, funded by the Hunnisett Trust and the Renaissance Trust for <i>Computer-aided Tuition in the Interpretation of Medical Images</i> . £25,000.
1987 – 1990	Research grant from British Telecom for <i>The Design and Implementation of a Writer's Assistant</i> . £170,000
1989 – 1990	Grant from EU Advanced Informatics in Medicine (AIM) initiative: <i>Multimedia Medical Diagnostic Assistant</i> . Grant of 16,000 ECUs.
1990 – 1992	Research grant from Joint Research Council's Cognitive Science/HCI Initiative for two research fellows: <i>The Development of a Cognitive Model for Computer Support of Collaborative Writing</i> . £93,000.
1990 – 1993	CASE award in collaboration with Rediffusion Interactive Training Systems Ltd. for postgraduate studentship. Funding of £3000 from company.

- 1990 – 1992 Teaching Company Scheme with ISL Ltd to develop *Hypermedia in Poplog*. £115,000.
- 1992 Grant of £23,930 from University of Sussex Teaching Development Fund to establish a Multimedia Teaching Centre.
- 1993 – 1996 Grant from SERC (DTI Computer Supported Cooperative Work Initiative) for *CORECT: Collaborative Requirements Capture Tool*. £181, 704.
- 1993 – 1995 Grant from Renaissance Trust for a project, with Professor Boden, to develop a *Multimedia Creativity* package. £60,000.
- 1995 Grant from the University of Sussex Research Development Fund, with Professor du Boulay, to carry out research on the MR Tutor project, and to prepare a proposal to the EU Framework Initiative. £5,000
- 1995 – 1998 Grant from ESRC Cognitive Engineering Initiative for *A Cognitive Engineering Approach to the Design of Computer-based Training in Radiology*. Total value: £90,000 (£23,176 transferred to University of Birmingham).
- 1996 – 1998 Travel grant from British Council Alliance programme for £1,600
- 1998 Grant from Prime College, Malaysia to demonstrate educational technology for MSc distance teaching. £15,000.
- 1998 – 2000 Grant from EPSRC Healthcare Informatics Programme for *Computer Support in Neuroradiology via Interactive Overviews of Disease Space* (co-investigator with Prof. du Boulay, University of Sussex). Total value: £157,449. University of Birmingham share: £3930. Ref.: GR/L 53588
- 1998 Grant from BT for *The Development of a Pilot Internet Mediated Teacher Education Programme for Special Educational Needs Coordinators in Primary and Secondary Schools*. In collaboration with School of Education. Total value: £10,000. School of Electronic and Electrical Engineering share: £2000
- 1998 Grant from Royal Academy of Engineering for purchase of a digital video editing system. £11,700.
- 1999 Collaborator in ESRC Research seminar series on *Socio-cultural Theory and Learning Contexts*. Total value, £11,989. Funds for travel and subsistence.
- 1999 Grant from the Royal Academy of Engineering for the purchase of a “test rig” for personal mobile learning. £10,300.
- 1999 – 2001 Grant from ESRC for *A Developmental Psychology of Children as Photographers*. Co-investigator with Prof. G. Thomas, School of Psychology. Total value: £95, 441. Ref.: R000 23 8203
- 2001 Grant from the Royal Academy of Engineering for the purchase of equipment to investigate mobile learning systems in knowledge-rich environments. £34,861
- 2001 Funding from Kodak for a *Study of Children as Photographers*. In collaboration with Prof. G. Thomas, School of Psychology, the National Museum of Photography, Film and Television, and four European partners. Birmingham share approximately £28,168
- 2001 Grant from EPSRC Strategic Equipment Initiative for *Equipment for Development and Evaluation of Mobile Contextual Technologies*, with Russell Beale of Computer Science. Total value £83,575.
- 2001 Grant from the Royal Academy of Engineering for the purchase of five high resolution pen tablet computers to enable us to carry out workplace trials of the MEDiate system. Principal Applicant, £14,846
- 2001 Funding from Eastman Kodak for a *Study of Children as Digital Photographers*. Principal Applicant, £40,000.
- 2001- 2002 ROPA/EPSCRC grant for *Mobile Communication for Distributed Collaborative Problem*

	<i>Solving</i> . Co-applicant, with Dr Baber as Principal Applicant. £40,860.
2001 - 2004	EC Information Society Technologies Programme for <i>Lab of Tomorrow</i> . Collaboration with 10 EU partners. Co-applicant, with Dr Baber as Principal Applicant. £190,000.
2001 - 2004	Office for Science and Technology, Science Enterprise Challenge (SEC II). Funding for the development of an E-Enterprise Environment. Principal applicant, £760,000
2002	Grant from the Royal Academy of Engineering for equipment to support a programme of research and student projects in the area of advanced mobile and contextual computing. Principal Applicant, £13,805.
2002 - 2006	EC Information Society Technologies programme, <i>MOBILearn: Next generation paradigms and interfaces for technology supported learning in a mobile environment exploring the potential of ambient intelligence</i> . Consortium of 25 partners. Total value of project, €7.4 million. Principal Applicant, Birmingham share €444,000.
2003	Funding from Microsoft Ltd. for a programme of research into Mobile Learning, £45,000.
2003- 2006	Funding from Microsoft Ltd. for research into e-learning in CETADL, £90,000
2003	Funding from Hewlett Packard, HP Philanthropy Applied Mobile Technology Initiative for equipment to the value of £65,000. Co-applicant.
2003	Equipment grant from Royal Academy of Engineering for purchase of video mixing equipment and peripherals to facilitate our research and innovation in video-based e-learning, £8,471.

Books:

Sharples, M. (1985) *Cognition, Computers and Creative Writing*, Chichester: Ellis Horwood.

Sharples, M., Hogg, D., Hutchison, C., Torrance, S., Young, D. (1989) *Computers and Thought: a Practical Introduction to Artificial Intelligence*. MIT Press. 406 pp.

I was principal author and coordinator of this textbook which is used as a set text for AI and cognitive science on courses in the UK, US, Australia and Italy.

Council for Science and Society (1989) *Benefits and Risks of Knowledge-based Systems*. Oxford University Press.

I was Rapporteur for Council for Science and Society working group. I wrote and revised the complete report, with contributions from working group members.

Sharples, M. (ed.) (1992) *Computers and Writing: Issues and Implementations*. Kluwer.

Selected and revised papers from the Fourth Annual Conference on Computers and the Writing Process held at Sussex.

Sharples, M. (ed.) (1993) *Computer Supported Collaborative Writing*. Springer-Verlag.

This is the first book to be published on this topic of computer support for collaborative writing. It contains selected papers from a conference chaired by myself.

Sharples, M. & van der Geest, T. (ed.) (1996) *The New Writing Environment: Writers at Work in a World of Technology*. Springer-Verlag.

An international selection of articles on technology and workplace writing.

Sharples, M. (1999) *How We Write: Writing as Creative Design*. Routledge.

An extensive and accessible account of the psychology of writing including a new model of writing as design, drawing on my research over the past twenty years.

Journal articles:

- McConnell, D. & Sharples, M. (1983) Distance Teaching by CYCLOPS: an Educational Evaluation of the Open University's Telewriting System, *British Journal of Educational Technology*, 14, 2, pp. 109-126.
- Sharples, M. (1983) The Use of Computers to Aid the Teaching of Creative Writing, *AEDS Journal*, 16, 2, pp. 79-91.
- Sharples, M. & Pemberton, L. (1990) Starting from the Writer: Guidelines for the Design of User-Centred Document Processors, *Computer Assisted Language Learning*, Volume 2, June 1990, pp. 37-57.
- Sharples, M. (1991) Computer-based Tutoring of Visual Concepts: from Novice to Expert, *Journal of Computer Assisted Learning*, 7, 2, pp. 123 – 132.
- Sharples, M. (1992) Introduction to Special Issue on Computers and Writing, *Instructional Science*, 21, 1/3, pp. 1 – 4 .
- Sharples, M. & Evans, M. (1992) Computer Support for the Development of Writing Abilities, *Instructional Science*, Vol. 21, No. 1/3, pp. 99 – 108.
- Sharples, M & du Boulay, B. (1992) Heart and Head: the Radiology Tutor and Beyond, *Rivista di Neuroradiologia*, 5, pp. 465-47.
- Sharples, M. (1993) A Study of Breakdowns and Repairs in a Computer Mediated Communication System, *Interacting with Computers*, 5, 1, pp. 61 – 77.
- Sharples, M. (1994) Computer Support for the Rhythms of Writing, *Computers and Composition*, 11, pp. 217-226.
- Sharples, M., Clutterbuck, A., Goodlet, J. (1994) A Comparison of Algorithms for Hypertext Notes Network Linearisation, *International Journal of Human-Computer Studies*, 40, pp. 727 – 752.
- Teather, B.A., Sharples, M., Jeffery, N., Teather, D., du Boulay, B. (1994) Statistical Modelling and Structured Image Description for Intelligent Tutoring in MR Imaging of the Head, *Rivista di Neuroradiologia*, 7, pp. 29-35.
- Sharples, M. & Bruce, B. (1996) Collaborative Writing and Technological Change: Implications for Writing Practice and System Design, *Computer Supported Cooperative Work*, 3, 3-4, pp. 225-228.
- Teather, B., Jeffery, N., Teather, C., du Boulay, G.H., Sharples, M., du Boulay, B. (1996) 'MEDIATE' – for Learning, Teaching and Diagnostic Help with MRI of the Brain. *Radiology UK, Supplement to Vol. 69 of the British Journal of Radiology*, p. 223.
- Sharples, M. (1997) Storytelling by Computer, *Digital Creativity*, Vol. 8, No. 1, pp. 20-29.
- Garlatti, S. & Sharples, M. (1998) The Use of a Computerized Brain Atlas to Support Knowledge-based Training in Radiology, *Artificial Intelligence in Medicine*, 13, 181-205.
- Sharples, M. (1999) Electronic Publication: Writing for the Screen. *Journal of Adolescent and Adult Literacy*, 43, 2, pp. 2-5. (Also available online at http://www.readingonline.org/electronic/jaal/10-99_Column.html)
- Teather, D., Teather, B. A., Jeffery, N. P., du Boulay, G. H., du Boulay, B., & Sharples, M. (2000). Statistical Based Support for Uncertainty in Radiological Diagnosis. *Methods of Information in Medicine*, 39, 1-6.
- Sharples, M. (2000) The Design of Personal Mobile Technologies for Lifelong Learning. *Computers and Education*, 34, 177-193.
- Sharples, M., Jeffery, N.P., du Boulay, B., Teather, B.A, Teather, D. and du Boulay, G.H. (2000) Structured Computer-based Training in the Interpretation of Neuroradiological Images. *International Journal of Medical Informatics*, 60, 3, pp. 263-280.
- Pérez y Pérez, R. & Sharples, M. (2001) MEXICA: a computer model of a cognitive account of creative writing. *Journal of Experimental & Theoretical Artificial Intelligence*, 13, pp. 119-139.

- Sharples, M., Jeffery, N., du Boulay, J.B.H., Teather, D., Teather, B., and du Boulay, G.H. (2002) Socio-cognitive engineering: a methodology for the design of human-centred technology. *European Journal of Operational Research* 136, 2, pp. 310-323.
- Masterman, E. and Sharples, M. (2002) A theory-informed framework for designing software to support reasoning about causation in history. *Computers and Education*, 38, pp. 165-185.
- Sharples, M., Corlett, D. and Westmancott, O. (2002) The Design and Implementation of a Mobile Learning Resource. *Personal and Ubiquitous Computing*, 6, pp. 220-234.
- Sharples, M. (2003) Disruptive Devices: Mobile Technology for Conversational Learning. *International Journal of Continuing Engineering Education and Lifelong Learning*, 12, 5/6, pp. 504-520.
- Sharples, M., Davison, L., Thomas, G.V., Rudman, P. D. (2003) Children as Photographers: an Analysis of Children's Photographic Behaviour and Intentions at Three Age Levels, *Visual Communication*, 2, 3, pp. 303-330.
- Hoppe, H.U., Joiner, R., Milrad, M and Sharples, M. (2003) Guest editorial: Wireless and Mobile Technology In Education, *Journal of Computer Assisted Learning*, 19, 3, pp. 255-259.
- Sharples, M. and Beale, R. (2003) A technical review of mobile computational devices, *Journal of Computer Assisted Learning*, 19, 3, pp. 392-395.
- Pérez y Pérez, R. and Sharples, M. (forthcoming) Three Computer-Based Models of Storytelling: BRUTUS, MINSTREL and MEXICA. Paper accepted for publication in *Knowledge Based Systems*.

Refereed Conference Papers:

- Sharples, M. (1981) A Computer-based Teaching Scheme for Creative Writing, in R. Lewis & D. Tagg (eds.), *Computers and Education*, North Holland, pp. 617-622.
- Sharples, M. (1982) An Evaluation of the CYCLOPS Telewriting Systems for Distance Teaching of Open University Students, *Proceedings of the Teleconferencing and Interactive Media Conference, May 1982*, University of Wisconsin Extension, 7 pp.
- Sharples, M. (1984) Phrasebooks and Boxes: Microworlds for Language, in K. Duncan & D. Harris (eds.), *Computers in Education*, eds. , Elsevier, pp. 617-622.
- Sharples, M. & O'Malley, C. (1985) Tools for Management and Support of Multiple Constraints in a Writer's Assistant, in M.D. Harrison & A.F. Monk (eds.) *People and Computers: Designing for Usability*, C.U.P., pp. 115-131.
- Sharples, M. & Pemberton, L. (1988) Textual Structures in a Computer-based Writer's Assistant System, *Proceedings of the 5th Intl. Conference on Technology and Education*, pp. 296-303.
- Sharples, M & du Boulay, B. (1988) Knowledge Representation for a Concept Tutoring System, *Proceedings of European Conference on Artificial Intelligence, Munich 1988*, pp. 268-271.
- Sharples, M. (1989) The Radiology Tutor: Computer-Based Teaching of Visual Categorisation, in D. Bierman, J. Brooker and J. Sandberg (eds.) *Artificial Intelligence and Education* , *Proceedings of Fourth World Conference on AI and Education*, IOS. pp. 252-259.
- Sharples, M., Jeffery, N., Teather, B.A., Teather, D., du Boulay, B., Direne, A.I., du Boulay, G.H. (1993) Statistical Modelling and Intelligent Tutoring of Visual Concepts for MR Imaging of the Head, *Proceedings of World Conference on Artificial Intelligence in Education, AI-ED'93*, Edinburgh, p. 56.
- Jeffery, N., Sharples, M., Teather, B.A., Teather, D., du Boulay, B., du Boulay, G.H. (1994) Intelligent Tutoring for MR Image Interpretation and the Diagnosis of Cerebral Disease, *Proceedings of British Institute of Radiology Conference, Radiology and Oncology '94*, Harrogate, UK, Vol. 64, p. 144.
- Teather, D., Teather, B.A., Jeffery, N., du Boulay, B., Sharples, M. (1994) Intelligent Tutoring for MR Imaging of the Head and Cerebral Disease, *Proceedings of Twelfth International Congress of the European Federation for Medical Informatics, MIE 94*, Lisbon, pp. 650-653.
- Sharples, M., du Boulay, B., Teather, D., Teather, B.A., Jeffery, N., du Boulay, G. (1994) The Cognitive Basis for an MR Image Tutor, *Proceedings of the East-West Conference on Computer Technologies in Education, The Crimea, Ukraine*, pp. 214-219.

- Sharples, M., du Boulay, B., Teather, D., Teather, B., Jeffery, N., du Boulay, G. H. (1995) Computer-Based Training and Professional Practice. *Proceedings of World Conference on Artificial Intelligence and Education (AI-ED '95)*, Washington, pp. 429–436.
- Pemberton, L., Shurville, S., Sharples, M. (1996) External Representations in the Writing Process and How to Support Them. *Proceedings of European Conference on Artificial Intelligence in Education*, Lisbon, pp. 343–349.
- du Boulay, G.H., Teather, B., Teather, D., Jeffery, N.P., Sharples, M., du Boulay, B. (1996) MEDIANE: Medical Image Description and Training Environment. *Proceedings of 22nd Congress of European Society of Neuro Radiology*, Milan, p. 673.
- Sharples, M., du Boulay, B., Jeffery, N., Teather, D., Teather, B. (1996) Interactive Display of Typicality and Similarity Using Multiple Correspondence. *Proceedings of HCI '96 Conference*, London, pp. 162–167.
- Sharples, M., Jeffery, N., Teather, D., Teather, B., du Boulay, G. (1997) A Socio-Cognitive Engineering Approach to the Development of a Knowledge-based Training System for Neuroradiology. In B. du Boulay and R. Mizoguchi (eds) *Artificial Intelligence and Education*. Amsterdam: IOS Press. pp. 402–409.
- Sharples, M. (1999) The Design of Personal Technologies to Support Lifelong Learning. *Proceedings of CAL '99 Conference on Computer-Assisted Learning*, London, p. 35.
- du Boulay, B., Teather, B., du Boulay, G., Jeffrey, N., Teather, D., Sharples, M., Cuthbert, L. (1999). From Description to Decision: Towards a Decision Support System for MR Radiology of the Brain, in W. Horn, Y. Shahr, G. Lindberg, S. Andreassen, J. Wyatt (eds.): *Artificial Intelligence in Medicine. Proceedings of the Joint European Conference on Artificial Intelligence in Medicine and Medical Decision Making (AIMDM'99)*, pp. 93-102.
- Pérez y Pérez, R. and Sharples, M. (1999) MEXICA: A Computational Model of the Process of Creative Writing. *Proceedings of the AISB Symposium on Creative Language: Humour and Stories*, Edinburgh, pp. 46-51.
- Sharples, M., Jeffery, N., du Boulay, J.B.H., Teather, D., Teather, B., and du Boulay, G.H. (1999) Socio-cognitive engineering: a methodology for the design of human-centred computer systems. In P. Lenca (ed.) *Proceedings of HCP '99 European Conference on Human Centred Processes*, Brest, France, pp. 67-73.
- Pearshouse, I. And Sharples. M. (2000) CETADL: A Research and Development Facility for E-Learning, *Proceedings of IWALT2000 Conference*, December 2000, pp. 180-183
- Sharples, M., Corlett, D., and Westmancott, O. (2001) A systems architecture for handheld learning resources. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, pp. 57-58.
- Anastopoulou, S. and Sharples, M. (2001) SALL: Designing a system to Support Academics' Lifelong Learning. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, p. 122.
- Corlett, D and Sharples, M. (2001) WriteSpell: Personal technology to support dyslexia among primary age children. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, pp. 141-142.
- Meek, J. and Sharples, M. (2001) A lifecycle approach to the evaluation of learning technology. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, pp. 195-196.
- Vavoula, G.N. and Sharples, M. (2001) A phenomenological study of lifelong learning: implications for the design of a personal, lifelong learning resource. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, pp. 120-122.
- Masterman, L. and Sharples, M. (2001) A theory-informed framework for designing software to support reasoning about causation in history. *Proceedings of CAL2001 Conference*, Warwick, 2-1 April, pp. 139-140.
- du Boulay, B., Cuthbert, L., De Andreas Garcia, F., du Boulay, G., Jeffrey, N., Sharples, M., Teather, B., Teather, D. (2001) Training in Image Description and Diagnosis for MR Radiology of the Brain, E. Claridge and J. Bamber and K. Marlow (eds.) *Proceedings of Medical Image Understanding and Analysis (MIUA) 2001 conference*, Birmingham, pp. 85-88.

- Vavoula, G. N. and Sharples, M. (2001) Studying the Learning Practice: Implications for the Design of a Lifelong Learning Support System. *Proceedings of ICALT 2001 conference*, Madison, USA, August 2001. pp. 379-380.
- Ulicsak, M. H., Daniels, H. and Sharples, M. (2001) Raising Awareness in Children of Group Skills using an Expert System. *Proceedings of World Conference on Artificial Intelligence and Education (AIED2001)*, San Antonio, May 2001, p. 607-609.
- Vavoula, G.N. and Sharples, M. (2002) KLeOS: A personal, mobile, Knowledge and Learning Organisation System. *Proceedings of IEEE International Workshop on Wireless and Mobile Technologies in Education (WMTE 2002)*, pp. 152-156.
- Chan, T. and Sharples, M. (2002) A Concept Mapping Tool for Pocket PC Computers. *Proceedings of IEEE International Workshop on Wireless and Mobile Technologies in Education (WMTE 2002)*, pp. 163-164.
- Vavoula, G.N., Sharples, M., & Rudman, P.D. (2002), Developing the 'Future Technology Workshop' method. In M. M. Bekker, P. Markopoulos & M. Kersten-Tsikalkina (eds.), *Proceedings of the International Workshop on Interaction Design and Children (IDC2002)*, Aug 28-29, Eindhoven, the Netherlands. Shaker Publishing, pp 65-72.
- Anastopoulou, S., Sharples, M. and Baber, C. (2002) Object Manipulation In Educational Multimodal Systems for Contextual Learning. *Proceedings of European Workshop on Mobile and Contextual Learning*, Birmingham, UK, p. 73.
- Da Bormida, G., Lefrere, P., and Vaccaro, R. (2002) The MOBIlearn project: exploring new ways to use mobile environments and devices to meet the needs of learners, working by themselves and with others. *European Workshop on Mobile and Contextual Learning*, Birmingham, UK, pp. 51-52.
- Holme, O. and Sharples, M. (2002) Implementing a Student Learning Organiser on the Pocket PC Platform. *Proceedings of European Workshop on Mobile and Contextual Learning*, Birmingham, UK, pp. 41-44.
- Vavoula, G. and Sharples, M. (2002) Requirements for the Design of Lifelong Learning Organisers. *Proceedings of European Workshop on Mobile and Contextual Learning*, Birmingham, UK, pp. 23-26.
- Rudman, P.D., Sharples, M. and Baber, C. (2002) Supporting Learning in Conversations using Personal Technologies. *Proceedings of European Workshop on Mobile and Contextual Learning*, Birmingham, UK, pp. 44-46.
- Chryssafidou, E. and Sharples, M. (2003) Computer-Supported Planning of Essay Argument Structure. F.H. van Eemeren, J. A. Blair, C. A. Willard and A. F. Snoeck Henkemans (eds.), *Proceedings of Fifth Conference of the International Society for the Study of Argumentation*, Amsterdam: Sic Sat, pp. 189-194.
- Thomas, G., Davison, L. and Sharples, M. (2003) Development of Ability to Position and Aim a Camera in Order to Match a Sample Photograph. *Poster presented at the Biennial Meeting of the Society for Research in Child Development*, Tampa Florida, April 24-27, 2003.
- Rudman, P., Sharples, M. and Baber, C. (2003) Automatic Support for Conversations using Semantic Relationships. *Paper to be presented at CAL '03 conference, Belfast*.
- Sharples, M., Chan, T., Rudman, P., Bull, S. (2003). Evaluation of a Mobile Learning Organiser and Concept Mapping Tools. *Proceedings of MLEARN 2003: Learning with Mobile Devices*, London: Learning and Skills Development Agency, pp. 60-61.
- Glew, P., Vavoula, G.N., Baber, C., Sharples, M. (2003). A 'learning space' Model to Examine the Suitability for Learning of Mobile Technologies. *Proceedings of MLEARN 2003: Learning with Mobile Devices*, London. Learning and Skills Development Agency, pp. 16-17.
- Lonsdale, P., Baber, C., Sharples, M. (2003). A Context Awareness Architecture for Facilitating Mobile Learning. *Proceedings of MLEARN 2003: Learning with Mobile Devices*, London. Learning and Skills Development Agency, pp. 36-37.
- Anastopoulou, S., Sharples, M., and Baber, C. (2003) Multimodality and learning: linking science to everyday activities. *Paper to be presented at HCI03 conference, Crete, June 22-27*.
- Vavoula, G. and Sharples, M. (2003) Putting order to episodic and semantic learning memories: the case for KLeOS. *Paper to be presented at HCI03 conference, Crete, June 22-27*.

- Vavoula, G. and Sharples, M. (2003) SpyCam and RoboCam: An Application of the Future Technology Workshop Method to the Design of New Technology for Children. *Paper to be presented at HCI03 conference*, Crete, June 22-27.
- Anastopoulou, S., Sharples, M., and Baber, C. (submitted) Using gestures to learn about graphs: the contribution of multimodal technology. *Paper submitted to ICALT 2003 conference, July 9-11, Athens, Greece.*
- Zurita, G., Nussbaum, M. and Sharples, M. (forthcoming) Encouraging face-to-face collaborative learning through the use of handheld computers in the classroom. *Paper accepted for Mobile HCI '03 conference.*
- Vavoula, G.N., Lefrere, P., O'Malley, C., Sharples, M. & Taylor, J. (submitted) Producing guidelines for learning, teaching and tutoring in a mobile environment, *Paper submitted to WMTE 2003 Conference*, Taiwan.
- Chan, T., Sharples, M., Vavoula, G., & Lonsdale, P. (submitted) Educational Metadata for Mobile Learning, *Paper submitted to WMTE 2003 Conference*, Taiwan.
- Bull, S., Cui, Y., McEvoy, A.T., Reid, E., Yang, W., & Sharples, M. (submitted) A Selection of Mobile Learner Models. *Paper submitted to WMTE 2003 Conference*, Taiwan.
- Corlett, D., Sharples, M., Chan, T., Bull, S. (submitted) A Mobile Learning Organiser for University Students, *Paper submitted to WMTE 2003 Conference*, Taiwan.

Reviews in Refereed Journals:

- Sharples, M. (1990) Review of W. Costanzo *The Electronic Text*, *British Journal of Educational Technology*, Vol. 21, No. 2, pp. 151–152.
- Sharples, M. (1990) Review of B. Shneiderman and G. Kearsley *Hypertext Hands On!* and R. McAleese *Hypertext – Theory into Practice*, *British Journal of Educational Technology*, Vol. 21, No. 3, pp. 233 – 234.
- Sharples, M. (1991) Review of D.P. Newton *Teaching with Text*, *British Journal of Educational Technology*, Vol. 22, No. 1, p. 67.
- Sharples, M. (1989) Review of *International Journal of Expert Systems and AI and Society*, *Nature*, Vol. 341, pp. 365 – 366.
- Sharples, M. (1992) Review of B. Britton and S. Glynn, *Computer Writing Environments*, *British Journal of Educational Technology*, Vol. 23, No. 1, pp. 68 – 69.
- Sharples, M. (1993) Review of H. Burns, J.W. Parlett, C.L. Redfield, *Intelligent Tutoring Systems: Evolutions in Design*, *Computers and Education*, Vol. 20, No. 2, pp. 209 – 210.
- Sharples, M. (1997) Review of R. Rada, *Groupware and Authoring*, *Computer Supported Cooperative Work: the Journal of Collaborative Computing*, Vol. 6, pp. 95–98.
- Sharples, M. (1999) Response to review of *How We Write: Writing as Creative Design*, *British Journal of Educational Psychology*, Vol. 69, Part 4, 621–622.
- Sharples, M. (2002) Review of P. Roberts and M. Chambers, eds., *Digital Developments in Higher Education: Theory and Practice*, *Educational Review*, Vol. 54, No. 3.

Book chapters and other published works:

- Sharples, M. (1980) A Computer-based Language Workshop, *SIGCUE Bulletin*.
- Sharples, M. (1981) Microcomputers and Creative Writing, in J. Howe & P. Ross (eds.) *Microcomputers in Secondary Education, Issues and Techniques*. Kogan Page, pp. 138-157.
- Sharples, M. (1981) Distance Teaching by CYCLOPS: Tutor Handbook, *IET Report*, Institute of Educational Technology, The Open University.

- Sharples, M. (1982) Educational Technology and The Open University Teaching at a Distance, No. 22, The Open University, pp. 15-20.
- Sharples, M. (1983) A Construction Kit for Language, in D. Chandler (ed.) *Exploring English with Microcomputers*, MEP Publications, pp. 51-58.
- Sharples, M. (1984) Lifting a Cloud of Unknowing, *The Guardian*, 5th July, 1984.
- Sharples, M. (1985) Tools for Learning, *Manchester Primary Contact*, Special Issue, No. 3, pp. 190-192.
- Sharples, M. & Finlayson H. (1985) Logo Toolkit (BBC Logotron Logo programs and user guide), MEP Primary Project *Logo Pack*, Microelectronics in Education Programme.
- Bruce, B., Sharples, M., (1986) Information Technologies and Basic Learning: Written Expression. *Information Technologies and Basic Learning*, Centre for Educational Research and Innovation, OECD, pp. 115-145.
- Sharples, M. & O'Malley, C. (1987) A Framework for the Design of a Writer's Assistant, in J. Self (ed.) *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*, Chapman and Hall, pp. 276-290.
- Sharples, M. (1987) The Design of a User-friendly System, in A. Jones, E. Scanlon, T. O'Shea (eds.), *The Computer Revolution in Education: New Technologies for Distance Learning*, Harvester, pp. 65-79.
- Sharples, M., Goodlet, J. & Pemberton, L. (1989) Developing a Writer's Assistant, in J. Hartley (ed.) *Technology and Writing: Readings in the Psychology of Written Communication*, Jessica Kingsley, London, pp. 209-220.
- Sharples, M. & Pemberton, L. (1992) Representing Writing: External Representations and the Writing Process, in P. O'Brian Holt and N. Williams (eds.) *Computers and Writing: State of the Art*, Oxford: Intellect, pp. 319-336.
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Postgraduate Supervision:

- 1989 – 1993 Full-time DPhil student: Alexandre Direne
Thesis title: *Methodology and Tools for Designing Concept Tutoring System*.
DPhil awarded 1993.
- 1990 – 1994 Full-time DPhil student: Eevi Beck
Thesis title: *Practices of Collaboration in Writing and their Support*.
DPhil awarded 1994.
- 1991 – Part-time DPhil student Ian Cullimore
Thesis submitted: *An Analysis and Implementation of Informal Human-Computer Interaction*
- 1991 – 1995 Full-time DPhil student Ulysses de Oliveira (co-supervisor)
Thesis title: *Individualising Instruction with Concept Maps in Intelligent Tutoring Systems*. DPhil awarded 1996.
- 1991 – 1995 Full-time DPhil student Sadhana Puntembeekar (co-supervisor)
Thesis title: *Training Meta-cognitive Skills in Studying from Texts*.
DPhil awarded 1995.
- 1993 – 1999 Full-time DPhil student Rafael Perez y Perez
Thesis title: *A Computer Model for Creativity in Writing*.
DPhil awarded 1999.
- 1998 – Part-time PhD student Julia Meek
Research area: *Evaluation of Computer-assisted Learning*
- 1998 – Full-time PhD student Elizabeth Masterman
Research area: *Computer-Based Modelling and the Development of Historical Reasoning in Secondary-School Students*
- 1998 – Full time PhD student, Giasemi Vavoula
Research area: *The Design of Personal Technologies to Support Lifelong Learning*.
- 1998 – Full time PhD student, Evi Chryssafidou
Research area: *Computer Support for Learning Argumentation in Writing*.
- 1999 – 2003 Full-time PhD student Mary Ulicsak, co-supervised with Prof. H. Daniels, Education Research area, *A Study of Educational Technology as a Tool to Support Collaborative Working*
- 1999 – Full-time PhD student Paul Rudman
Research area, *The Social and Group Interaction Implications of Implementing a Personal Learning Resource*
- 2000 – Co-supervisor, part-time PhD student Sariyah Binsaleh, with Dr William Edmondson, Computer Science
Research area, *The Design of an Authoring System for Intelligent Tutoring*
- 2000 – Co-supervisor, part-time PhD student Elizabeth Longmate, with Dr Chris Baber
Research area, *Digital Communities*
- 2001 – Full-time PhD student, Tony Chan
Research area, *Computer Support for Mobile Learning*

2001 – Part-time PhD student, Daniel Corlett.
Research area, *Support for Cultural Difference in E-learning*

Recent Course teaching:

1999/00 First year course: *Study Skills*
4th year MEng Course: *Interactive Systems Design and Evaluation*
2nd year course: *Topics in Educational Technology*
Supervision of MEng Group Design project
BEng and MEng project supervision

2000/01 First year course: *Study Skills*
2nd year course: *Topics in Educational Technology*
4th year MEng course: *Human Centred Technology, Interactive Systems*
MSc course: *Interactive Systems Design and Evaluation*
MSc course: *Applications of Human Centred Technology*
MSc course: *Methods of Socio-Cognitive Engineering*
BEng and MEng project supervision

2001/02 First year course: *Study Skills*
First year course: *Scientific and Engineering Principles and Methods*
2nd year course: *Topics in Educational Technology*
4th year MEng course: *Human Centred Technology, Interactive Systems*
MSc course: *Interactive Systems Design and Evaluation*
MSc course: *Applications of Human Centred Technology*
MSc course: *Methods of Socio-Cognitive Engineering*
Supervision of MEng Group Design project
BEng and MEng project supervision

2002/3 1K1: *Scientific and Engineering Principles and Methods*
EE4S: *Human Centred Technology, Interactive Systems*
MSc module: *Interactive Systems Design and Evaluation*
MSc course: *Methods of Socio-Cognitive Engineering*
BEng and MEng project supervision

Recent External Examining and Assessment:

1993 – 1994 External examiner, Kingston University MSc course: *Knowledge-based Information Systems*

1995 – 1997	External examiner, King's College London M.A./M.Ed. in Computers in Education, Mathematics Education, Science Education, and Education Management.
1997	Member of promotion panel for Dr Kerstin Eklundh, Royal Institute of Technology, Sweden. External examiner, John Reese, PhD thesis, University of Hull.
1997 – 2001	External examiner BSc in Cognitive Science, University of Exeter.
1999	External examiner, Garry Elvin, MPhil thesis, University of Sunderland. External examiner, PhD thesis, Kenneth Thompson, University of Aberdeen.
2000	External examiner, PhD thesis, Robert Reese, University of Hull. External examiner, PhD thesis, Simon Masterton, Open University.
2000 – 2003	External Examiner, MSc/PgDp in Information Technology and Intelligent Systems, and PgDip/MSc in Information Technology, University of Aberdeen
2001	External examiner, PhD thesis, Judy Robertson, University of Edinburgh
2002	Internal examiner, PhD Thesis, Lee Cooper, University of Birmingham
2002	External examiner, PhD thesis, Angela Trikić, University of Lancaster
2002	External examiner, PhD thesis, Victor Bayon, University of Nottingham
2003	External examiner, PhD thesis, Blay Whitby, Middlesex University

Membership of Societies:

1989 –	Member of the <i>Society for the Study of Artificial Intelligence and Simulation of Behaviour</i> (Committee member from 1989–1991)
1991 – 1995	Committee member of UK Special Interest Group on Computer Supported Collaborative Work
1991 –	Founder and Committee member of Writing and Computers Association
1990 –	Member of the Society of Authors
1999 –	Member of IEEE.
2003 –	Fellow, RSA.

Recent Major Positions Held:

1990 –	Assistant editor, <i>Intelligent Tutoring Media</i>
1994 –	Member of the editorial board of <i>Computers and Composition</i>
1995	Co-chair, CPC '95: International Conference on Cognitive Processes in Spoken and Written Communication: Theories and Applications, The Crimea Member of the organising committee of Eighth Annual Conference on Writing and Computers, London. Co-editor of special issue of <i>Computer Supported Cooperative Work</i> journal, on Collaborative Writing.
1997 –	Member of editorial board of <i>Digital Creativity</i> .

- 1999 Member of organising committee of HCP '99, 10th European Conference on Human Centred Processes, Brest, France.
- Member of organising committee of AISB Convention Workshop on Artificial Intelligence and Creativity, Edinburgh.
- 2002 – Member of Editorial Board of *Journal of Computer Assisted Learning*
- 2002 – Member of review panel of *British Journal of Educational Technology*
- 2002 Conference Chair, *European Workshop on Mobile and Contextual Learning*
- 2003 Conference Organiser, MLEARN 2003, *European Conference on Mobile Learning*.
Committee member, Birmingham E-Learning Foundation.
Member, DfES/EPSRC/ESRC strategy group on UK e-learning research

Recent Keynote presentations:

- 1999 Keynote presentation on “Time to Write an E-book?” at 11th International Conference on Writing and Computers, Oxford.
- 2001 Keynote presentation on “Authors of the Future” at EATW 2001 Conference, Gronigen.
- Keynote presentation on “To the Dynabook and Beyond: Designing Mobile Technologies for Learning at 10th World Conference on Artificial Intelligence in Education, San Antonio.
- Keynote presentation on “Developing M-learning Pedagogical and Design Perspectives” at inaugural meeting of the European M-Learning Forum, London.
- 2002 Keynote presentation on “Authors of the Future: From Writing to Interaction Design” at UK conference on Writing Development in Higher Education, Leicester.
- Invited presentation on “Disruptive Devices: Ambient Technology and Future Learning”, EC IST Programme conference, Luxembourg.
- Invited presentation on “Beyond the PC: Mobile Technology and Future Learning”, NESTA FutureLab conference, Bradford.
- 2003 Keynote presentation on “Mobile Learning: What is it and will it work?”, CAL 2003 International Conference on Computer Assisted Learning, Belfast.
- Keynote Presentation on “Disruptive Devices: Mobile Technology and Personal Lifelong Learning”, Interactive Technology in Education Conference, Finland.
- Invited presentation on “Portable and Mobile Educational Technology Research”, BECTA Expert Technology Seminar, London.