

PATRICK JAMES DILLON
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Born May 3rd 1950
Citizen of Great Britain and the United Kingdom

Entries in *Who's Who in the World* (24th Edition, 2007) and *Who's Who in Science and Engineering* (10th Anniversary Edition, 2008)

Summary

I have worked in higher education and educational research since 1981. Prior to that I worked in industry and taught in primary and secondary schools. My first degree is in biology and in my early career I taught ecology and landscape studies. During this time I undertook doctoral work in environmental history. After a two-year secondment with the BBC developing new educational technologies I moved field becoming Lecturer and then Senior Lecturer in Technological Education at the University of Reading. In 2000 I became Professor in Telematics in Education and Director of the Telematics Centre at the University of Exeter. Since 2005 I have been Emeritus Professor at Exeter, have held Professorial positions in Finland, and have worked as a Consultant Researcher. I have undertaken teaching, research and consultancy in Europe, the Middle East, the Far East, Australia and the USA. I have an honorary doctorate in education from the University of Joensuu in Finland.

My research is concerned with education within a cultural ecology and includes work on situated learning, e-learning, second language learning, creativity, cultural education, heritage education, design education and environmental education. I have had grants from the European Union, and from learned societies, professional associations, multinational companies, government departments, and funding councils in the UK. My publications include six books and monographs, over eighty refereed articles in international journals, books and conference proceedings, twenty commissioned reports, sixteen reviews and seven professional resources. I have given presentations at over eighty international conferences including many keynote addresses. I have supervised doctoral students in the UK and Finland and have had eighteen PhD and three EdD completions. I have examined twenty-one doctoral theses at Universities in the UK, Europe, Australia and South Africa.

Current Positions

- Professor of Applied Education, Faculty of Philosophy, University of Eastern Finland, since 2012.
- Emeritus Professor, College of Social Sciences and International Studies, University of Exeter, since 2005.
- Adjunct Professor, Faculty of Behavioural Sciences, University of Helsinki, Finland, since 2005.
- Docent in Applied Education, University of Eastern Finland (earlier University of Joensuu), since 1999.

Education, Qualifications and awards

- 2009. Elected Fellow of the Society of Biology; awarded Chartered Biologist status 1984; elected Member 1981.
- 2004. DPhil (honoris causa), University of Joensuu, Finland.

- 1990. PhD, Department of Economic History, University of Exeter, UK.
- 1981. Elected Fellow of Linnean Society of London.
- 1971-1975. University of Bristol, UK.
 - 1975. Bachelor of Education with Honours (2ii) in Biological Science.
 - 1974. Certificate of Education with merit in Theory of Education and Biological Science.

Previous Appointments

- 2008-2010. Professor of Applied Education, University of Joensuu, Finland.
- 2000-2005. Professor of Telematics in Education, University of Exeter
The post carried responsibility as Director of the Telematics Centre.
- 1989-2000. Senior Lecturer, School of Education, University of Reading.
Appointed Lecturer 1989, promoted Senior Lecturer 1993.
- 1981-1989. Head of Science Division, Bulmershe College of Higher Education, Reading.
Appointed Lecturer 1981, promoted Senior Lecturer 1983, Head of Division 1987.
- 1978-1981. Lecturer in Biology, Trowbridge College.
Sixth-form and vocational courses in biology; adult education courses in environmental studies and ecological evaluation.
- 1975-1978. Teacher, Wiltshire County Council.
Teaching in a primary school, supervising sixth-form projects, courses for teachers, and curriculum development in environmental education.
- 1969-1971. Experimental Officer, Esso Petroleum Company Research Centre, Abingdon.
Developing analytical methods for product quality control and pollution monitoring.
- 1966-1969. Technician, Department of Soil Science, University of Reading.
Supporting research on soil chemistry and plant nutrition.

RESEARCH

The lists that follow show lineage through science education and environmental education (which in turn developed from my early career research in ecology, environmental history and history of natural science, see below), through e-learning and its related fields - multimedia in education and information and communication technology in education, to my current research in cultural ecology which includes situated learning, second language learning, cultural education, heritage education, creativity, and design education.

1. Publications

(a) Research monographs and edited volumes

Dillon, P. & Tearle, P. (Eds) 2006. Educational Research in a Distributed Community, Special Issue of *Technology, Pedagogy and Education*, ISBN 1475 939X.

Dillon, P.J. (Ed) 1998. Information Technology for Higher Education. Special issue of *Journal of Information Technology for Teacher Education* 150 pp. ISBN 0962 029X.

Boucher, A., Davis, N., Dillon, P., Hobbs, P. & Tearle, P. 1997. *Information Technology Assisted Teaching and Learning in Higher Education*. A HEFCE Research Series Report. Bristol, Higher Education Funding Council of England. 147 pp. ISBN 1 902369 10 6.

Dillon, P.J. & Beney, S. 1994. *Teaching about Environmental Issues. Towards a Comprehensive Framework*, University of Reading, New Bulmershe Papers, 81pp, ISBN 0 7049 0766 6.

(b) Refereed articles and chapters

Mayer, M. & Dillon, P. 2015. Evaluating education for sustainable development programmes consistently with education for sustainable development values: a challenge for evaluators, pp. In W. Lambrechts & J. Hindson (Eds) *Trends in Education for Sustainable Development Research and Innovation*, forthcoming

Bunikowski, D. & Dillon, P. 2015. Arguments from cultural ecology and legal pluralism for recognising indigenous customary law in the Arctic, pp. in L. Heinämäki, T. Herrmann & F. Stammler (Eds) *Experiencing the Sacred Arctic: Sacred Sites, Indigenous Peoples, and the Law*, Berghahn Books.

Kokko, S. & Dillon, P. 2015. Engaging trainee teachers with crafts and cultural heritage, *International Journal of Education through Art*, forthcoming.

Kontkanen, S., Kärkkäinen, S., Valtonen, T., Kukkonen, J., Dillon, P., & Väisänen, P. 2015. A second life experiment in sex education with pre-service teachers and its contribution to the development of their proto-professional knowledge, *Journal of Educational Enquiry*, forthcoming.

Dillon, P. 2015. Education for sustainable development in a cultural ecological frame, pp. 630-643 in R. Jucker & R. Mathar (Eds), *Schooling for sustainable development. A focus on Europe*, Dordrecht, The Netherlands, Springer.

Valtonen, T., Kukkonen, K., Kontkanen, S., Sormunen, K., Dillon, P., & Sointu, E. 2015. The impact of authentic learning experiences with ICT on pre-service teachers' intentions to use ICT for teaching and learning, *Computers & Education*, 81 (1), 49-58.

Kontkanen, S., Dillon, P., Valtonen, T., Renkola, S., Vesisenaho, M., & Väisänen, P. 2014. Pre-service teachers' experiences of ICT in daily life and in educational contexts and their proto-technological pedagogical knowledge, *Education and Information Technologies*, 10.1007/s10639-014-9361-5.

Kukkonen, J., Dillon, P., Kärkkäinen, S., Hartikainen-Ahia, A. & Keinonen, T. 2014. Pre-service teachers' experiences of scaffolded learning in science through a computer supported collaborative inquiry, *Education and Information Technologies*, DOI 10.1007/s10639-014-9326-8.

Creed, A. & Dillon, P. 2014. Cyclonic transactions as cultural ecological mechanisms for investigating change and facilitating action research in education, pp. 806-819 in V.C.X. Wang (Ed) *Encyclopedia of Education and Technology in a Changing Society*. Hershey, Pennsylvania: ICI Global.

Dillon, P., Vesala, P. & Montero, C.S. 2014. Young people's emotional engagement with their school grounds expressed through colour, symbol and lexical associations. A Finnish-British comparative study, *Children's Geographies*, DOI 10.1080/14733285.2014.894962

Valtonen, T., Kontkanen, S., Dillon, P., Kukkonen, J. & Väisänen, P. 2014. Upper secondary and vocational level teachers at social software, *Education and Information Technologies*, 19 (4), 763-779.

Dillon, P., Hacklin, S., Kantelinen, R., Kokko, S., Kröger, T., Simola, R., Valtonen, T. & Vesisenaho, M. 2014. Developing a cross-disciplinary framework for collaborative research in multi- and intercultural education, pp. 630-643 in V.C.X. Wang (Ed) *Encyclopedia of Education and Technology in a Changing Society*. Hershey, Pennsylvania: ICI Global.

Dillon, P., Bayliss, P. & Bayliss, L. 2013. Turn left for Murmansk: 'Fourth World' transculturalism and its cultural ecological framing, *Barents Studies*, 1, 97-110.

Dillon, P., Wang, R., Vesisenaho, M., Valtonen, T. & Havu-Nuutinen, S. 2013. Using technology to open up learning and teaching through improvisation: Case studies with micro-blogs and short message service communications, *Thinking Skills and Creativity*, 10, 13-22.

Valtonen, T., Havu-Nuutinen, S., Dillon, P., Kontkanen, S., Vesisenaho, M. & Pöntinen, S. 2013. Challenges with social software for collaboration: Two case studies from teacher training, *Seminar. Net: International Journal of Media, Technology and Lifelong learning*, 9 (1).

Kukkonen, J., Keinonen, T., Dillon, P. & Kärkkäinen, S. 2013. The effects of scaffolded simulation-based inquiry learning on fifth graders' representations of the greenhouse effect, *International Journal of Science Education*, 36 (3), 406-424.

Vesisenaho, M. & Dillon, P. 2013. Localizing and contextualizing information and communication technology in education: A cultural ecological framework, *Pedagogy, Culture and Society*, 21 (2), 239-259.

Dillon, P., Gross, P., Irvine, R., Price, P. & Staddon, C. 2012. Thinking like a wetland, *Journal of Arts and Communities*, 4 (1&2), 100-126.

Dillon, P. 2012. Framing craft practice cultural ecologically: tradition, change and emerging agendas, pp. 72-78 in M. Ferris, (Ed), *Making Futures: The Crafts as Change-maker in Sustainably Aware Cultures*, Plymouth, UK, Plymouth College of Arts.

Valtonen, T., Hacklin, S., Dillon, P., Vesisenaho, M., Kukkonen, J. & Hietanen, A. 2012. Perspectives on personal learning environments held by vocational students, *Computers and Education*, 58 (2), 732-739.

Bayliss, P. & Dillon, P. 2011. Cosmologies and lifestyles: a cultural ecological framework and its implications for education systems, pp. 179-190 in A. Lauriala, R. Rajala, H. Ruokama & O. Ylitapio-Mäntylä (Eds). *Navigating in Educational Contexts: Identities and Cultures in Dialogue*, Rotterdam, Sense Publishers.

Valtonen, T., Havu-Nuutinen, S., Dillon, P. & Vesisenaho, M. 2011. Facilitating collaboration in lecture-based learning through shared notes using wireless technologies, *Journal of Computer Assisted Learning*, 27 (6), 575-586.

Kokko, S. & Dillon, P. 2011. Crafts and craft education as expressions of cultural heritage. Individual experiences and collective values amongst an international group of women

university students, *International Journal of Technology and Design Education*, 21 (4), 487-503.

Valtonen, T., Pontinen, S., Kukkonen, J., Dillon, P., Väisänen, P. & Hacklin, S. 2011. Confronting the technological pedagogical knowledge of Finnish Net Generation student teachers, *Technology, Pedagogy and Education*, 20 (1), 3-18.

Bayliss, P. & Dillon, P. 2010. Cosmologies and lifestyles: a cultural ecological framework and its implications for education systems, *Anthropological Journal of European Cultures*, 19 (2), 7-21.

Valtonen, T., Dillon, P., Hacklin, S. & Väisänen, P. 2010. Net generation at social software: challenging assumptions, clarifying relationships and raising implications for learning, *International Journal of Educational Research*, 49 (6), 210-219.

Mylläri, J., Åhlberg, M. & Dillon, P. 2010. The dynamics of an on-line knowledge building community. A five-year longitudinal study, *British Journal of Educational Technology*, 41 (3), 365-387.

Valtonen, T., Kukkonen, J., Dillon, P. & Väisänen, P. 2009. Finnish high school students' readiness to adopt online learning: questioning the assumptions, *Computers & Education*, 53 (3), 742-748.

Dolatabadi, H. R. & Dillon, P. 2009. Intercultural discourse in virtual learning environments: A preparatory study of the perceptions of students in an Iranian university, *International Journal of Information Science and Technology*, 7 (2), 29-43.

Dillon, P. 2009. A pedagogy of connection for active learning and citizenship, pp.59-70 in M. McManus & G. Taylor (Eds), *Active Learning, Active Citizenship*, London, CSAP.

Dillon, P., Bayliss, P., Stolpe, I. & Bayliss, L. 2008. What constitutes 'context' in sociocultural research. How the Mongolian experience challenges theory, *Transtext(e)sTranscultures*, 4, 18-31.

Dillon, P. & Loi, D. 2008. Adaptive educational environments: theoretical developments and educational applications, *UNESCO Observatory Refereed E-Journal*, 3.

Dillon, P. 2008. A pedagogy of connection and boundary crossings. Methodological and epistemological transactions in working across and between disciplines, *Innovations in Teaching and Education International*, 45 (3), 255-262.

Dillon, P. 2008. Creativity, wisdom and trusteeship – niches of cultural production, pp.105-118 in A. Craft, H. Gardner & G. Claxton (Eds). *Creativity and Wisdom in Education*. Thousand Oaks, CA, Corwin Press.

Dillon, P., Wang, R. & Tearle, P. 2007. Cultural disconnection in virtual education, *Pedagogy, Culture and Society*, 15 (2), 153-174.

Dillon, P. & Howe, T. 2007. An epistemology of presence and reconceptualisation in design education, *Interchange*, 38 (1), 69-88.

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Loi, D. & Dillon, P. 2006. Adaptive educational environments as creative spaces, *Cambridge Journal of Education*, 36 (3), 363-381.

Dillon, P. & Åhlberg, M. 2006. Integrativism as a theoretical and organisational framework for e-learning and practitioner research, *Technology, Pedagogy and Education*, 15 (1), 7-30.

Åhlberg, M., Äänismaa, P. & Dillon, P. 2005. Education for sustainable living: Integrating theory, practice, design and development, *Scandinavian Journal of Educational Research*, 49 (2), 167-185.

Dillon, P. 2004. Trajectories and tensions in the theory of information and communication technology in education, *British Journal of Educational Studies*, 52 (2), 138-150.

Dillon, P., Prosser, D. & Howe, T. 2004. Design transactions in educational multimedia, *The Design Journal*, 7 (2), 54-63.

Dillon, P. & Prosser, D. 2003. Educational transactions in museum open learning environments, *International Journal on e-Learning*, 2 (1), 14-20.

Dillon, P. & Howe, T. 2003. Design as narrative: objects, stories and negotiated meaning. *International Journal of Art and Design Education*, 22 (3), 291-298.

Howe, T. & Dillon, P. 2001. Cultural niche and the contexts of craft, design and fine art, *The Design Journal*, 4 (3), 50-57.

Tearle, P. & Dillon, P. 2001. The development and evaluation of a multimedia resource to support ICT training: design issues, training processes and user experiences, *Innovations in Education and Teaching International*, 38 (1), 8-18.

Dillon, P. 2000. Innovation, renovation and terminological precision, *Journal of Information Technology for Teacher Education*, 9 (1), 3-8.

Åhlberg, M. & Dillon, P. 1999. An integrating approach to environmental learning, pp. 3-33 in M. De Paz and M. Pilo (Eds) *European Project for Environmental Education*, University of Genoa.

Dillon, P., Tearle, P. & Hudson, A. 1999. The Images for Teaching Education Project: developing multimedia resources within an integrative educational framework, *British Journal of Educational Technology*, 30 (4), 359-368.

Davis, N., Dillon, P. & Selinger, M. 1999. A New Millennium approach to the *Journal of Information Technology for Teacher Education*: increasing collaboration and quality, *Journal of Information Technology for Teacher Education*, 8, (3), 269-284.

Tearle, P., Dillon, P. & Davis, N. 1999. Use of Information Technology by English University Teachers. Developments and trends at the time of the National Inquiry into Higher Education, *Journal of Further and Higher Education*, 23 (1), 5-15.

- Weller, M. & Dillon, P. 1999. Education and business partnerships in the UK: Initiatives in search of a rationale, *Bulletin of Science, Technology and Society*, 19 (1), 60-67.
- Dillon, P.J. 1998. Information technology for higher education: issues and perspectives, *Journal of Information Technology for Teacher Education*, 7 (1), 3-9.
- Dillon, P.J. 1998. Teaching and learning with telematics: an overview of the literature, *Journal of Information Technology for Teacher Education*, 7 (1), 33-50.
- Dillon, P., Coupland, J., Edwards, T., Hudson, A. & Tearle, P. 1998. Multidisciplinary collaboration and the development of multimedia resources, *Innovations in Education and Training International*, 35 (4), 347-355.
- Dillon, P.J. & Gayford, C.G. 1997. A psychometric approach to investigating the environmental beliefs, intentions and behaviours of pre-service teachers, *Environmental Education Research*, 3 (3), 283-298.
- Dillon, P., Wright, B., Still, M. & Thornton, P. 1997. Conducting research over the internet. An interactive, image-based instrument for investigations in environmental education, *Journal of Information Technology for Teacher Education*, 6 (2), 147-156.
- Dillon, P. & Davies, T. 1996. Real contexts and flexible approaches in design and technology education. Ch. 9 in K. Postlethwaite (Ed) *Towards a Learning Society: An Exploration of the Role of Flexible Learning*. University of Reading, New Bulmershe Papers, ISBN 0 7049 1032 2.
- Dillon, P.J. & Jones E.L. 1996. Environmental consumerism in the United Kingdom: Some reflections on managerial responses and educational needs, *European Journal of Agricultural Education and Extension*, 3 (2), 107-118.
- Gayford, C.G. & Dillon, P.J. 1995. Policy and the practice of environmental education in England: A dilemma for teachers, *Environmental Education Research*, 1 (2), 173-184.
- Dillon, P.J. 1993. Technological education and the environment, *International Journal of Science Education*, 15, 575-589.
- Davies, T., Gilbert, J. & Dillon P. 1991. Big T and little t: the work of the Six Counties Technology Project, *Design and Technology Teaching*, 22 (4), 77-82.
- Wright, B. & Dillon, P. 1990. Some applications of interactive video in Initial Teacher Training, *Educational Training and Technology International*, 27, 43-50.
- Dillon, P.J. 1989. Interactive video - do we need it in education? *Interactive Showcase International*, 1, 12-14.
- Dillon P.J., Giddins, L. & Sutton, E. 1987. Interactive video and scientific literacy, *Scientific Literacy Papers*, 1, 109-113.
- (c) Refereed conference papers**
- Vesala, P. & Dillon, P. 2012. A comparative study of students' engagement with their school grounds through a lexicon of emotions, *Procedia Social and Behavioral Sciences*, 45, 475-485.

- Dillon, P. 2011. Kasvatus kulttuuriekologiana [Finding a place in the world: education as cultural ecology] pp. 46-49 in *Kulttuurilähtöisen ympäristökasvatuksen malleja nuorisotyöhön*, Rantasalmi, Finland, Finnish Foundation for Environmental Education.
- Vesisenaho, M., Dillon, P. & Valtonen, T. 2011. Collaboratively constructed lecture notes. Does the process of construction promote improvisation in learning? *Proceedings of the 11th Koli Calling International Conference on Computing Education Research*, 107-111.
- Dillon, P. 2010. Geo-scientific education, tourism and environmental interpretation: Making connections and raising issues, pp. 70-76 in T. Keinonen, S. Juntunen & S. Kärkkäinen (Eds) *Learning about Geology in Finnish Science Centres*. Joensuu: University of Eastern Finland.
- Vesisenaho, M. & Dillon, P. 2009. Information and communication technology contextualised in a cultural ecological view of learning, *Proceedings of the 39th Frontiers in Education Conference*, St. Antonio, T4D1-5.
- Dillon, P. 2006. A pedagogy of connection and education for sustainability, pp. 261-276 in A-L Rauma, P. Seitamaa-Hakkarainen & S. Pöllänen (Eds) *Human Perspectives on a Sustainable Future*. Joensuu, Finland: University of Joensuu.
- Dillon, P. 2006. The stories we tell: experience, growth and personal narrative, pp. 80-83 in *Ympäristö- ja luontokasvatuksen malleja syrjäytymisen ehkäisemiseen*, Rantasalmi, Finland, Finnish Foundation for Environmental Education.
- Howe, T. & Dillon, P. 2002. Folding, blending and implicate order: reconceptualisation in design education, in D. Durling & J. Shackleton *Design Research Society Common Ground International Conference*.
- Dillon, P. 2002. The dynamics of virtual learning communities. Towards an integrating framework, pp. 21-30 in K. Julkunen, S. Havu-Nuutinen & J. Pietarinen (Eds) *Learning and Instruction in Multiple Contexts and Settings III*, Finland, University of Joensuu.
- Howe, T., Dillon, P. & Smith, F. 1999. A critique of the design model and its representation in educational systems, *Proceedings of the European Academy of Design*, 1, 393-401.
- Davis N.E., Dillon, P., Tearle, P., Boucher, A., Hobbs, P. & Birbeck, N. 1997. Researching information technology's assistance to teaching and learning in higher education, *Technology and Teacher Education Annual*, 303-306.
- Dillon, P., Still, M., Thornton, P. & Wright, B. 1997. Image-based research and learning over SuperJanet, *Computer Assisted Learning* 97, 69-74.
- Dillon, P., Hudson, A. & Tearle, P. 1996. A teaching and learning framework for the Images for Teaching Education Project, *Proceedings of the World Conference on Educational Telecommunications, Boston, USA*, 86-90.
- Dillon, P.J. & Gayford, C.G. 1995. Evaluating attitudes to environmental issues amongst pre-service secondary teachers, *Selected Papers from the 24th Annual Conference of the North American Association for Environmental Education*, 133-140.

Dillon, P.J. & Gayford, C.G. 1995. Environmental education, personal values and perceptions of environmental issues. A pilot study with student teachers, *Proceedings of the 19th Conference of the Association for Teacher education in Europe, Prague, 1994*, 45-52.

Dillon, P. & Hayes, N. 1994. Investigating the relationship between the practice of technology and frameworks for technological education, *Proceedings of the 7th International Conference on Design and Technology Educational Research and Curriculum Development, Loughborough University of Technology*, 48-54.

Dillon, P.J. & Gilbert, J.K. 1994. Reappraising the 'Science and Society' Agenda. The Importance of a Unifying Framework, *Seventh International Organisation for Science and Technology Education Symposium Papers*, 194-200.

Dillon, P.J. 1993. Information sources, value positions, and frameworks for teaching environmental issues, *Proceedings of Conference on Values and the Environment, University of Surrey*, 311-320.

Dillon, P.J. 1993. Technology, economy and the environment. Educating about the issues, *Proceedings of the PATT-6 Conference, Technology Education and the Environment, Eindhoven University of Technology*, 225-239.

Dillon, P. & Davies, T. 1993. Real contexts for design and technology: an evaluation of the Six Counties Technology Flexible Learning Project, *Proceedings of the 6th International Conference on Design and Technology Educational Research and Curriculum Development*, 65-69.

Dillon, P. & Weller, M. 1993. Industrial practice and the curriculum: the Engineering Construction Industry Schools Liaison Project, *Proceedings of the 6th International Conference on Design and Technology Educational Research and Curriculum Development*, 82-86.

Dillon, P. & Squire, G. 1992. Technology as an Agent of Change: Some Implications for the National Curriculum in England and Wales, pp. 102-107 in D. Blandow and M. Dyrenfurth (Eds) *Technological Literacy, Competence and Innovation in Human Resource Development*, Columbia, MO: Technical Foundation of America. ISBN 08633401.

Davies, T., Dillon, P. & Gilbert, J. 1992. Real contexts for design and technology: the Six Counties Technology Flexible Learning Project, *Proceedings of the 5th International Conference on Design and Technology Educational Research and Curriculum Development*, 105-109

Riggs, A. & Dillon, P. 1992. Technology and the humanities: opportunities for educating about value issues, *Proceedings of the 5th International Conference on Design and Technology Educational Research and Curriculum Development*, 25-27.

Davies, T., Gilbert, J. & Dillon, P. 1991. The Six Counties Technology Project : Evaluative outcomes on management, teaching and learning, *Proceedings of the 4th National Conference on Design and Technology Educational Research and Curriculum Development*, 46-52.

(d) Professional publications

Dillon, P. 2013. Mammals, in *NatureGate*. Helsinki, NatureGate Online Services, <http://www.luontoportti.com/suomi/en/>

Dillon, P.J. 1995. *Environmental Education for Design and Technology*. Reading, Council for Environmental Education. 100 pp. ISBN 0 906 711 32 0.

Dillon, P.J. 1995. *The English Chalklands. A Landscape Study*. Bristol, Higher Education Funding Council of England, Teaching and Learning Technology Programme, 100 pp + CD. ISBN 0 85068 167 7.

Dillon, P., Etheridge, P. & Weller, M. 1994. *A Toolkit for Business and Education. Case Studies and Guidance for Projects*. Chichester, West Sussex Education Business Partnership. viii+156 pp. ISBN 0 9523398 0 3.

Davies, T., Dillon, P., James, L. & Brenton, N. 1994. *The Six Counties Technology Series*. Aberystwyth, DiskIT Ltd. 35 pp+150 disc files.

Dillon, P. & Weller, M. 1992. *Engineering Construction Industry School Liaison Project. Modular Learning Materials for 14-17 year olds*, London, Oil and Chemical Plant Constructors Association and Engineering Construction Industry Training Board, 143 pp. ISBN 0 9501813 15.

Davies, T., Gilbert, J & Dillon, P. 1991. *Six Counties Technology Project Management Folder*, London, Longman, vi +161 pp. ISBN 0 582 08190 4.

Davies, T., Gilbert, J. & Dillon P. 1991. *Six Counties Technology Project Activities Folder*, London, Longman, vi +325 pp. ISBN 0 582 08190 0.

(e) Reviews

I have had 16 reviews published in the following journals: Environmental Education Research, Journal of Economic History, The Biologist, Interactive Update, The British Journal of Special Education and the Wiltshire Archaeological and Natural History Magazine.

(f) Commissioned reports

2015. Subjective Geographies @ Woodbury Salterton. English Nature, East Devon Area of Outstanding Natural Beauty and Wyvern Heritage and Landscape. 22pp. (With P. Trenchard).

2014. Community-based School Development for Sustainability (CoDeS). (European Union Comenius Programme) Consultative Evaluation. 35pp.

2009. [Contributions to]: *What does our past involvement with computers in education tell us? A view from the research community*. Warwick, The Association for Information Technology in Teacher Education (Ed M.Hammond) 150pp, ISBN 978-0-902683-90-7. Available at: www.itte.org.uk/system/files/voicesbook.pdf

2009. [Contributions to]: *Leadership and Management of Education. Evaluation of Education at the University of Helsinki 2007-2008*. University of Helsinki Administrative Publication 58 (Eds S. Saari & M. Frimodig) 576pp. Available at: <http://www.helsinki.fi/laatu/arviointi/PDF/Evaluation%20of%20Education%202007-2008.pdf>

2009. An evaluation of the Learning as Life Research Programme. Report for the Research Council for Culture and Society, The Academy of Finland. Available at: www.aka.fi/Tiedostot/Tiedostot/Julkaisut/12_09_Learn.pdf
2008. The Peases West curriculum: telling the story, Report for the UK Innovations Unit. 9pp.
2008. A Future Way for In-Service Teaching Training across Europe: The FISTE Project (European Union Comenius Programme) Consultative Evaluation. 9pp.
2007. Report of the Visiting Committee on the Accreditation of the Professional Diploma in Education at the British University in Dubai. Commission for Academic Accreditation, Ministry of Higher Education and Scientific Research, United Arab Emirates. 20pp.
2007. Turning Peases West Inside Out: flexible educational environments for developing possibilities and pedagogies. Report for the Arts Council of England Creative Partnerships. 36pp. (with A. Craft and P. Best). Available at: <http://www.creative-partnerships.com/data/files/dillon-et-al-turning-peases-west-inside-out-31.pdf>
2007. King James I Community Arts College Creative Partnership Project: Writing for Radio. Report for the Arts Council of England Creative Partnerships. 42pp. (with A. Craft and P. Cochrane).
2007. Critical Friend Review of Artswork, the Centre of Excellence in Teaching and Learning at Bath Spa University. 30pp. Available at: <http://www.artsworkbathspa.com/img-uploads/docs/ArtsworkDillon.pdf>
2007. Comparative Analysis on In-Service Teacher Training Systems in Europe. Country Report for Finland. Report for wyg International Consulting, 31pp. (with M. Aineslahti).
2006. Multicultural E-learning Competencies Map. Report by the Marchmont Observatory for the European Union Leonardo Programme, 50pp. (with J.Pye). Available at: <http://www.enovateknowledgespan.org/mecmap-report.pdf>
2005. *Personalisation and Digital Technologies*. Bristol, UK, Futurelab. 50pp. (with H. Green, K. Facer, T. Rudd, & P. Humphreys). Available at: http://www.futurelab.org.uk/resources/documents/opening_education/Personalisation_report.pdf
2005. Cultural and educational reflections on a visit to Oman. Report for his Majesty the Sultan of Oman, 20pp.
2003. Evaluation of the Intel Teach to the Future Programme. Report for The Teacher Training Agency and Intel UK, 98pp. (with P. Tearle).
2001. Video conferencing for medical and non-medical training in the South West Region of the National Health Service. Report for the National Health Service Executive (South West), 70pp. (with P. Tearle, K. Stein & P. Rosenthal).

2000. *The Climatic Challenge for the South West. Impacts and Opportunities for Economic Development*. Technical Report, 24pp. and Summary Report 8 pp. Redruth, In Pursuit of Excellence, Cornwall (with K. Russell).

1999. Ensuring effectiveness of information and communication technology training. Report and evaluation for Government Office South West. 10pp. (with P. Tearle).

1996. Reaching Out into technological education. An evaluative case study with student teachers. Godalming, Surrey, WWF-UK. 25pp. ISBN 1 85850 097 4.

1993. Science, technology and the environment. Towards a comprehensive framework for educating about the issues, *UNESCO: Project 2000+ International Forum*, 18pp.

1989. Interactive video as a resource for National Curriculum Science, 14pp; The Interactive Video in Education Awareness Scheme 1988-89, 10pp; The use of interactive video in Initial Teacher Training, 18pp. Reports for National Interactive Video Centre, London.

2. Funded projects

(a) As Director of the Telematics Centre at the University of Exeter, 2000-2005

The Centre attracted some £600,000 in grants in my term as Director. In particular we developed expertise in cultural heritage education through a number of projects with museums. Evaluative research on applications of information and communication technology in a variety of educational and professional settings was also an important part of the portfolio.

2004- 2006. European Union Leonardo Programme. Multicultural e-learning competencies (with Marchmont Observatory, University of Exeter).

2004- 2005. Arts and Humanities Research Board. Pedagogy and virtual exhibitions (with the Bill Douglas Centre, University of Exeter).

2004- 2005. University of Exeter Research Fund. Virtual learning environments, community identity and pedagogy.

2003-2004. Exeter City Council and New Opportunities Fund. On-line learning on the history of Devon.

2003. The Teacher Training Agency and Intel Corporation UK Ltd. Evaluation of the Intel *Teach to the Future* Programme.

2003. Arts and Humanities Research Board. Virtual exhibitions (with the Bill Douglas Centre, University of Exeter).

2002. Exeter City Council. On-line access to World Cultures Collection.

2002. European Union Trans-European telecommunications network. Ten Telecom Scheme/Webschool Project.

2002. Intel Corporation UK Ltd. Networked framework for continuing professional development.

2001-2003. New Opportunities Fund. Cornish Cultural Grid for Learning.

2001-2002. re:Source. World Cultures Access Project (with Royal Albert Memorial Museum, Exeter).

2001. Mediterranean Association to Save the Sea Turtles. e-learning for European turtle conservation and environmental education.

2000-2001. Heritage Lottery Fund. Museum Open Learning Initiatives (with Royal Albert Memorial Museum, Exeter).

2000. National Health Service Executive South West. Evaluation of videoconferencing for education and training.

2000. Department for Education and Employment and Tiverton Museum. Virtual Victorians.

1999-2000. European Community Rural Area Training and Information Opportunities Programme. Climatic Challenge in the South West virtual conference.

(b) At the University of Reading and Bulmershe College of Higher Education 1985-2000.

During my time at Reading, I attracted almost £1 million in grants in three interrelated fields: (i) the nature of information and communication technologies and their impact on the processes of teaching and learning; (ii) relationships between how technology is practiced in industry and commerce, how it is perceived by the public and ways in which it is taught in schools, colleges and universities, including work on education-business partnerships; (iii) frameworks for environmental education which combine scientific and cultural aspects in formal education and in museums, galleries and other institutions in the non-formal sector. Some of the projects were inter-university collaborations.

1998-2000. European Community Rural Area Training and Information Opportunities Programme and the Countryside Agency. Development and evaluation of web-based training resources for small and medium sized businesses (with University of Exeter).

1997-2000. University of Reading Continuing Vocational Education Fund. Development and evaluation of multimedia resources for undergraduate education.

1997-1999. European Union Directorate General XI, Environment, Nuclear Safety and Civil Protection. Development and evaluation of materials to improve environmental education in European schools (with University of Genoa, Italy).

1996-1997. Higher Education Funding Council. Research on information technology assisted teaching and learning in higher education for the National Committee of Inquiry into Higher Education (with University of Exeter).

1995-1996. University of Reading Research Endowment Trust Fund. Developing a coherent approach to technological education.

1995-1996. Higher Education Funding Council of England Joint Information Systems Committee New Technologies Initiative. The potential of the Integrated Services Digital

Network (ISDN) and SuperJANET for individual, institutional and curriculum development in the use of multimedia (with University of Exeter).

1994-2000. University of Reading Teaching Studentship Scheme. For employment of a research assistant. Cultural constructs of technological literacy.

1994-1997. Higher Education Funding Council of England Teaching and Learning Technology Programme. Development of multimedia resources and flexible learning frameworks for teacher, vocational and undergraduate education (with University of Exeter and Sheffield Hallam University).

1994-1995. PowerGen. Development and trialing of in-service teacher training modules in environmental education.

1994. West Sussex Education Business Partnership. Development and trialing of guidelines and case studies for promoting links between business and education.

1993-1995. University of Reading Research Endowment Trust Fund. The application of psychometric methods to exploring student teachers' attitudes, values and behavioural intentions with respect to the environment.

1992-1997. Grand Metropolitan plc. Towards a Learning Society Project. Real contexts and flexible approaches in technological education.

1991-1997. Oil and Chemical Plant Constructors' Association and the Engineering Construction Industry Training Board. Development, trialing and evaluation of modular learning materials and CD ROM for 14-17 year olds.

1991-1993. University of Reading Research Endowment Trust Fund. The relationship between technology as perceived in academia, industry and commerce and technology as defined for the National Curriculum.

1990-1991. The Training Agency Training and Vocational Education Initiative (TVEI) in Initial Teacher Training. The use of visual media to explore students' preconceptions in the arts and sciences.

1989-1991. The Training Agency. Evaluation of the Six Counties Technology Project.

1988-1989. Department of Trade and Industry. Interactive Video in Education Awareness Scheme. Commissioned reports and policy statements on the use of interactive video in education.

1985-1988. Department of Trade and Industry, Interactive Video in Schools Project. Design, production, and trialing of a videodisc with teachers' handbook, curriculum support materials and software exemplars (with BBC Milton Keynes and Interactive Video Research Ltd., Stockton-on-Tees).

3. Consultancy

Freelance research is listed under 'commissioned reports' and 'national and international activities'.

4. Higher degree supervision

(a) PhD completions (University of Exeter unless otherwise stated)

- Kukkonen, Scaffolded inquiry in science education by means of computer supported collaborative learning (Finland), 2015. (University of Eastern Finland).
- Valtonen, University teachers and students perceptions of collaborative learning with information and communication technology (Finland), 2011. (University of Eastern Finland).
- Al Boloushi, Arts education and traditional craft (Al Sadu) in higher education in Kuwait, 2010.
- Dolatabadi, Intercultural discourse in a virtual learning environment (Iran), 2010.
- Aboraya, Use of information and communication technology with students with special needs in Egypt, 2009.
- Creed, Interpretive cyclonics in online management education, 2009.
- Oyaid, Futures perspective on teachers and students use of information and communication technology (Saudi Arabia), 2009.
- Meaney, Handling ambiguity in learning partnerships, 2008.
- Al Rawahi, Teachers beliefs about teaching and learning in physical education (Oman), 2008.
- Hayes, Knowledge sharing and professional development in science teachers, 2008.
- Piong Tec Wah, Students' dispositions towards web-based learning (Malaysia), 2007.
- Wang, Cultural and linguistic disconnection in virtual education, 2007.
- Kwang Chit Hwa, Factors influencing students' acceptance and usage of web-based learning (Malaysia), 2006.
- Al-Saleem, Beliefs about and practice of ICT in university staff (Oman), 2006.
- Thongsri, Learners' dispositions towards web-based methods in supporting English as a foreign language (Thailand), 2004.
- Seddon, Theoretical understanding of an international, virtual learning community concerned with use of information and communication technology in teaching environmental studies, 2003.
- Hassan, Application of social constructivism and information and communication technology in supporting the learning of pre-service technology teachers in an Arab context, 2003.
- Polyzou, Changes in the thinking and practice of modern language teachers through training in and experience of the use of information and communication technology (Greece), 2002.
- Tearle, Implementation of information and communication technology for teaching and learning in secondary education in the United Kingdom, 2002.

(b) EdD completions (University of Exeter)

- Whittaker, The evolution and design of a blended learning model in an English language teaching setting, 2009.
- Mynard, Synchronous computer-mediated communication and learner autonomy in female Emirati learners of English, 2004.
- Kayser, Illuminative evaluation of a project-based computer assisted language learning course in the United Arab Emirates, 2003.

5. Conferences

(a) Invited keynote presentations and invited lectures

- Richard Jefferies Society Birthday Lecture, Swindon, 2014.

- Sustainable Development, Culture, Education, 10th International Baltic and Black Sea Circle Consortium Conference, Savonlinna, Finland, 2012.
- Freedom in the Primary Curriculum, London, 2010.
- International Symposium on Teaching and Learning, University of Eastern Finland, 2010.
- Promoting the Welfare of and Preventing Social Exclusion amongst Children and Youth by means of Culture-based Environmental Education, Juva and Nurmes, Finland, 2009.
- European Union Northern Periphery Programme Northern Environmental Education Development Project Conference, Joensuu, Finland, 2009.
- Reinforcing the Fenno-Russian Network of Environmental and Cultural Education, Rantasalmi Institute of Environmental Education, Finland, 2008.
- Information and Communication Technology Supported Education for Sustainable Development and Global Responsibility, Hanasaari, Finland, 2008.
- Teachers in Education for Change, Helsinki, Finland, 2008.
- Perspectives and Limits of Dialogism in Mikhail Bakhtin, Crete, 2007.
- International Household & Family Research Conference, Savonlinna, Finland, 2006.
- International E-Learning, Multimedia and Consultancy, Sheffield, 2006.
- International Symposia on Teaching and Learning, University of Joensuu, Finland, 2001, 2003 and 2005.
- International Workshops on Experience as Growth, Rantasalmi Institute of Environmental Education, Finland, 2004 & 2005
- Intel *Teach to the Future* Conference, University College Cork, Eire, 2002.
- Intel *Teach to the Future* Teacher Training Conference, Oxford 2002.
- Econet Europe Summer Academies, Rantasalmi Institute of Environmental Education, Finland, 2000 and 2001.
- Flows and Networks of Virtual Learning, University of Joensuu, Finland, 2000.
- European Summer School for Teachers in Constructivism and High Quality Learning, University of Genoa, Italy, 1999.
- Technology Education, University of New England, Armidale, New South Wales, 1994.

(b) Papers presented

- The Finnish Educational Research Association Conference, Jyväskylä, Finland, 2013
- Making Futures, Dartington, UK, 2013.
- European Conference on Educational Research, Istanbul, Turkey, 2013.
- The Finnish Educational Research Association Conference, Helsinki, Finland, 2012
- 5th Intercultural Arts Education Conference: Design Learning, Helsinki, Finland, 2012.
- 11th Koli Calling International Conference on Computing Education, Research, Finland, 2011.
- The Finnish Annual Congress of Educational Research, Joensuu, Finland, 2011
- Making Futures, Dartington, UK, 2011.
- European Association for Research on Learning and Instruction, Exeter, UK, 2011.
- Living Flood Histories, Gloucester, UK, 2011.
- 14th Council of UArctic, Lapland, 2011.
- Is there a Nordic version of multiculturalism? Turku, Finland, 2010.
- European Conference on Educational Research, Helsinki, Finland, 2010.
- The 2nd meeting of the Société Internationale d'Ethnologie et de Folklore Working Group on Place Wisdom, Bristol, 2010.
- The Finnish Adult Education Conference, Joensuu, Finland 2010.

- The Finnish Annual Congress of Educational Research, Tampere, Finland, 2009.
- The 39th Annual Frontiers in Education Conference, St. Antonio, USA, 2009.
- European Consortium for Art Therapies Education Conference, London, 2009.
- The 14th Biennial Conference of the International Study Association on Teachers and Teaching, Rovaniemi, Finland, 2009.
- The 5th World Congress on Environmental Education, Montreal, 2009
- Cultures in Transit Conference, Liverpool, 2008.
- Unspoken Interactions, London, 2007.
- European Early Childhood Education Research Association, Prague, 2007.
- Cultural Studies Now International Conference, London, 2007.
- European Educational Research Association Conference, Geneva, 2006.
- Ethnography and Education Conference, Oxford, 2006.
- Ethnography and Education Conference, Oxford, 2005.
- British Educational Research Association Conference, Manchester, 2004.
- Association for Learning Technology Conference, Exeter, 2004.
- European Educational Research Association Conference, Crete, 2004
- PixelRaiders II, Sheffield, 2004.
- Fifth European Academy of Design Conference, Barcelona, 2003.
- Third International Research in Music Education Conference, Exeter, 2003.
- British Educational Research Association Conference, Exeter, 2002.
- Design Research Society Common Ground International Conference, London, 2002.
- Information Technology for Teacher Education Conference, Dublin, 2002.
- Tenth International Conference on Thinking, Harrogate, 2002.
- European Educational Research Association Conference, Edinburgh, 2000
- Consuming Craft Conference, Buckingham, 2000.
- European Conference on Educational Research, Lahti, Finland, 1999.
- The 3rd European Academy of Design Conference, Sheffield, 1999.
- Computer Assisted Learning, Exeter, 1997.
- Education and Technology: Asking the Right Questions, International Conference, Penn State University, USA, 1997
- International Conference on Cultural Heritage in Islands and Small States, Valletta, Malta, 1997.
- The Northern Call for the Environment Conference, Savonlinna, Finland, 1996.
- The World Conference on Educational Telecommunications, Boston, USA, 1996.
- The Association for Teacher Education in Europe 21st Annual Conference, Glasgow, 1996.
- Morals for the Millennium Conference, Lancaster, 1996.
- The Association of Science Education Annual Meeting, Reading, 1996.
- The 6th International Federation for Information Processing World Conference on Computers in Education, Birmingham, 1995.
- The 24th Annual Conference of the North American Association for Environmental Education, Portland, USA, 1995.
- The Association for Teacher Education in Europe 20th Annual Conference, Oslo, 1995.
- Products and Applications: Exploring Value Judgements in Design and Technology Conference, Birmingham, 1995.
- The 7th International Conference on Design and Technology Educational Research and Curriculum Development, Loughborough, 1994.
- Information Technology in Teaching and Learning Conference, Sheffield, 1994.

- The 6th International Conference on Design and Technology Educational Research and Curriculum Development, Loughborough, 1993.
- Values and the Environment Conference, University of Surrey, 1993.
- UNESCO Project 2000+ International Forum, Paris, 1993.
- The Pupils' Attitudes Towards Technology Conference on Technology Education and the Environment, Breukelen, the Netherlands, 1993.
- The Association of Science Education Annual Meeting, Loughborough, 1993.
- The 5th International Conference on Design and Technology Educational Research and Curriculum Development, Loughborough, 1992.
- The International Conference on Technology Education, Weimar, Germany, 1992.
- The 4th International Conference on Design and Technology Educational Research and Curriculum Development, Loughborough, 1991.
- 'European Deaf Students Can' Conference, Reading, 1989.
- Information Technology and the Use of Language, National Foundation for Educational Research, 1989.
- New Technology in Adult Education Conference, Loughborough, 1988.
- Technological and Curriculum Developments in a Resource-based Environment Conference, Swansea, 1988.
- Educational Technology International Conference, Southampton, 1987.
- The Careers Research and Advisory Centre New Developments in Continuing Education and Training Conference, Cambridge, 1987.
- Optical Information Systems Fourth Annual International Conference, London, 1987.
- Public Awareness and Scientific literacy, Oxford 1985.

6. Research in ecology, environmental history and history of science

Throughout my career I have been involved in research. My first paper reported work on soil clay colloids undertaken when I worked as a laboratory technician:

Rowell, D.L. & Dillon, P.J. 1972. Migration and aggregation of Na and Ca clays by the freezing of dispersed and flocculated suspensions, *Journal of Soil Science* 23, 442-447.

During my time in the petroleum industry I was involved with pollution monitoring and developed new methods of elemental analysis, e.g:

Determination of carbonate in overbased additives, limestones and inorganic salts, *Esso Petroleum Company Research and Development Method 1971/10*.

After a first degree in biological science, my research was based in the subjects I then taught - ecology, landscape history and the history of natural science. I conducted field surveys and documentary research under the auspices of the Wiltshire Archaeological and Natural History Society and several of my early papers are published in the Society's journal, *The Wiltshire Archaeological and Natural History Magazine*. I was elected a Fellow of the Linnean Society and qualified as a Chartered Biologist. Although most of my empirical research was conducted in the 1970s and 80s, some of my most important contributions were published later, including two systematic surveys in Wiltshire:

Jones, M. & Dillon, P. 1987. *Dialect in Wiltshire and its Historical Topographical and Natural Science Contexts*. Trowbridge, Wiltshire County Council, 206 + xxv pp. ISBN 0 86080 150 0

This is a study in applied linguistics. My contribution was on how natural science and topographical considerations can inform understanding of the semantics of the dialect lexicon. This book won the 1987 Library Service Trust Award for research and scholarship.

Dillon, P. 1998. *Mammals in Wiltshire*. Devizes, Wiltshire Archaeological and Natural History Society, 156 + xii pp. ISBN 0 947723 05 6.

This is an account of the history, distribution and status of mammals in Wiltshire generated through documentary research and a systematic field survey, 1976-1988.

In collaborative research with a geneticist, I used land-use histories to explain patterns of variation in the genetics of the land snail *Cepaea*. Two papers were published:

Cameron, R.A.D. & Dillon P.J. 1984. Habitat stability, population histories and patterns of variation in *Cepaea*, *Malacologia*, 25, 271-290.

Cameron, R.A.D., Arnold, R.W., Dillon, P.J. & James, L. 1998. *Cepaea nemoralis* (L.) in the Channel Islands: Island histories and genetic variation, *Journal of Molluscan Studies*, 64, 161-172.

In the 1980s I undertook doctoral research on the nineteenth century agricultural and environmental history of the Wessex Chalklands through the Department of Economic History at the University of Exeter.

In 1985, I was a Visitor in the School of Economics at La Trobe University, Victoria, Australia where I conducted archival research funded by the British Academy and the Linnean Society. This was published as:

Dillon, P.J. & Jones, E.L. 1986. The Royal Australasian Ornithological Union Collection as a source for the history of science and environmental history, *Journal of the State Library of Victoria*, 10, 29-32.

There followed (i) an Ecological History Study Tour of the Eastern States of America based on the Institute for Advanced Study, Princeton in 1986 yielding a case study that was incorporated into my PhD, and (ii) a Visiting Research Fellowship at the Center for Comparative Research in History, Society and Culture, University of California (Davis) in 1992 where I applied techniques from my PhD to the study of landscapes in the USA.

During the period 1985-1992, I conducted landscape research on Alderney, Channel Islands with students undertaking residential field courses and a number of papers are published in the *Alderney Society Bulletin*.

ADMINISTRATION

At the University of Joensuu my administrative responsibility was:

- Director of the Research and Development Centre for Information Technology in Education.

At the University of Exeter my major administrative responsibilities were:

- Director of the Telematics Centre. This involved academic leadership in an internationally recognised research centre, coordinating the research of five staff and up to twelve research students, and collaborating with an international community of scholars.
- Chair, Information Management Committee.
- Coordinator of Research Centres.
- Member of Board of Management of the Institute for Cornish Studies.

Within the University, I was involved in the development of policy through:

- Vice Chancellor's Forum on Lifelong Learning (2000-2002).
- E-Learning Strategy Working Party (2004-2005).

At the University of Reading my major administrative responsibilities were:

- Coordinator of Technological Education, 1992-2000. This involved leadership in undergraduate and In-service education, resource management, coordination of the work of a team of four academic staff and a varying number of research students, technicians and support staff, and convening a research group.
- Chair, Research Committee and Research Convenor, 1992-1994 and 1998-2000.
- Convenor, Educational Research in Innovation, Design and Society Group, 1996-2000.
- Member of Working Party on Information Technology in Teaching, 1997-2000.
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At Bulmershe College of Higher Education, from 1987-1989, I was Head of the Science Division where I coordinated the work of three full-time and six part-time academic staff and four technicians.

TEACHING

At the Universities of Eastern Finland and Joensuu I taught courses for doctoral students in Academic Writing, Research Design, Emergent Methodologies and Ethnography and courses for international students in Culture, Identity and Environment.

At the University of Exeter I taught MEd in Information and Communication Technology in Education which had modules in teaching, learning, management and creativity. This was an on-line, distance education course that attracted students world-wide. Research for the dissertations was supported through a virtual learning environment. Research completions were in the following areas:

- Investigation into information and communication technology provision in a Learn Direct Centre, 2004, (UK).
- Managing the integration of information and communication technology in secondary technical and vocational education, 2004, (Cyprus).
- Teaching algebra to undergraduates using information and communication technology, 2004 (Brunei).
- Use of information and communication technology-based collaborative concept mapping in the development of thinking skills, 2004, (UK).
- How teachers at a large secondary school use the Internet for teaching and learning, 2003, (UK).
- Evaluation of information and communication technology policy in primary education in two small island developing states, Malta and Jamaica, 2002, (Jamaica).

I developed and taught the following:

- Sociocultural theory on the EdD Programme.
- Modules in Information and Communication Technologies, and The Internet, Creativity and the Curriculum in the Post Graduate Certificate of Education (Secondary) Programme.
- Modules in New Technologies of Learning and Creativity, New Media and Education in the BA Educational Studies Programme.

At the University of Reading, 1990-2000, my teaching responsibilities were:

- Technology education modules in the MEd Further Professional Studies Programme, 1991-1998.
- Contributions to the Research Methods course and to modules on the MA in Comparative Education, 1997-2000.
- Course Leader for Subject Specialism Technology and Curriculum Studies Technology in the BA (Ed) Programme, 1992-2000.

At Bulmershe College of Higher Education, 1981-1989, I had teaching responsibilities in both a subject area (ecology including ecological history and history of natural science) and an area of curriculum application (scientific, technological and environmental education). I supervised dissertations in science education in the MA in Classroom Studies and was a Curriculum Science Tutor on the Postgraduate Certificate in Education. In the BEd Honours Programme, I was course leader for: Ecology, Conservation and Resources; Freshwater Communities; Plant and Animal Communities; Science, Environment and Technology; Scientific and Environmental Curriculum Area; Curriculum Science; Curriculum Analysis; and Environmental Education. In the BA Honours Programme, I was course leader for: Conservation and Resources; Pollution Studies; Social Biology; and Landscape Studies.

I had two periods as an Associate Tutor in extramural education, at Bristol (1979-1981) and Oxford (1984-1987), in both cases teaching courses on ecology and ecological history.

EXAMINING

1. Courses

- Chief External Examiner, MSc in e-Learning, Multimedia and Consultancy, Sheffield Hallam University, 2000-2006.
- Chief External Examiner, BSc (Honours) Business and Technology and BA (Honours) Human and Education Studies, The Nottingham Trent University, 1998-2001.
- External Examiner, Information Technology for Advanced Courses (MA), University of Exeter, 1996-2000.

2. Higher degrees by research:

- Price. Narrative capital and youth practitioner professional identities, EdD, University of Brighton, 2015.
- Esterhuizen, The integration of learning technologies in open distance learning at North-Western University, PhD, South Africa, 2013.
- Usoof, Designing for eAssessment of higher order thinking, Umeå University, Sweden, PhD, 2012.
- Abdullah, Higher education student's creativity in design through social networking with professional designers in Malaysia, PhD, University of Nottingham, 2011.
- Wijesundera, Student experiences of learning in undergraduate education in Sri Lanka, PhD, University of Nottingham, 2011.

- Baroud, The development of e-learning in a Lebanese higher education context, PhD, Sheffield Hallam University, 2011.
- Bevan, Application of computerised concept mapping in schools, PhD, University of Cambridge, 2007.
- Baker, Analysis of the application of assistive technology in supporting students with specific reading difficulties in higher education, EdD, University of Exeter, 2006.
- Holland, Framework for developing on-line learning environments with a focus on adult literacy education, PhD, Dublin City University, 2005.
- Judd, Biology teachers' and students' perceptions about problems of teaching and learning ecology in secondary schools in Nigeria, PhD, University of Exeter, 2005.
- Atherton, Attitudes towards foreign language learning among secondary school students in England, EdD, University of Exeter, 2005.
- Williams, Cultural impressions of the wolf, with specific reference to the man-eating wolf in England, PhD, University of Sheffield, 2004.
- Hemmi, Six bilingual Japanese women and the stories of their English identities, EdD, University of Exeter 2003
- Fluck, Cross-national study of information and communication technology in school education, PhD, University of Tasmania, 2003.
- Foxall, Testing methods in computer assisted learning programs in foreign languages and music, PhD, University of Exeter, 2002.
- Poland, Development and evaluation of Internet based resources for ecological and environmental education, PhD, University of Exeter, 2002.
- Greenhough, Social interaction amongst pairs of children during early logo learning, PhD, University of Exeter, 2001.
- Lockitt, Effective integration of information and learning technology within education and training curriculum delivery methodologies, PhD, North East Wales Institute of Higher Education, 2001
- Benzie, Longitudinal study of the development of information technology capability by students in an institute of higher education, PhD, University of Exeter, 2000.
- Havu, Changes in children's conceptions through social interaction in pre-school science education, PhD, University of Joensuu, Finland, 2000.
- Altun, Learning through interactive video in secondary science: A study of attitudes, anxieties and preferences for learning settings, PhD, University of Exeter, 1997.
- Elmer, Reflective practice of eight students on a BA (Hons) design and technology course, PhD, University of Reading, 1996.
- Frost, The decline of wheat growing, 1850-1910: A comparative study of East Anglia, California and Central Victoria, PhD, La Trobe University, Victoria, 1994.

REFEREEING

I have refereed grant applications for The Economic and Social Research Council, The Leverhulme Trust, The Wellcome Trust, and articles for the following journals: *Archives of Natural History*; *British Journal of Educational Studies*; *Computers and Education*; *Environmental Education Research*; *European Journal of Agricultural Education and Extension*; *Innovations in Education and Training International*; *International Journal of Science Education*; *International Journal of Thinking Skills and Creativity*; *Journal of Information Technology for Teacher Education*; *Journal of Moral Education*; *Research Papers in Education*; *School Effectiveness and School Improvement*; *Technology, Pedagogy and Education*.

NATIONAL AND INTERNATIONAL ACTIVITIES

- Member of Editorial Board, *Studia Vernacula*, 2012 – ongoing.

- Consultant, NatureGate Online Services Ltd, Finland, 2011 - ongoing.
- Member of Advisory Board, *Design Principles and Practices Journal*, 2006 - ongoing.
- Member of Editorial Board, *Technology, Pedagogy and Education*, 2002 - ongoing.
- Member of International Panel of Referees, Irish Research Council for Humanities and Social Sciences and Irish Research Council for Science, Engineering and Technology, Review of Graduate Education Programmes, 2011; Postgraduate awards, 2013, 14 & 15.
- Consultative evaluation of the CoDeS (Community –based School Development for Sustainability Network), European Union Comenius Programme, 2011- 2014.
- Visiting Research Fellow, PLaCE (Place, Location, Context and Environment) Research Centre, University of the West of England, 2010-2013.
- Member of International Panel of Referees, Research Council for Culture and Society, Academy of Finland, 2005-2008 & 2011; Chair of Panel 2006; Member of Programme Evaluation Panel 2008.
- Consultant, Colour Urban Design Limited, Newcastle upon Tyne, 2009-2011.
- Invited professional development workshops, North West University, South Africa, 2009.
- Creative Agent, Arts Council of England Schools of Creativity Programme, 2008-2011.
- Vice-Chair, International Panel for the Evaluation of Education, University of Helsinki, 2008.
- Consultative evaluation of the FISTE (A Future Way for In-Service Teaching Training across Europe) Project, European Union Comenius Programme, 2008.
- Member of International Active Learning Summit, Microsoft Corporation, USA, 2007-2008.
- Member of European Union Director General for Education and Culture Outreach team for professional development of teachers in rural Mongolia, 2007-2008.
- Researcher, UK Innovation Unit Next Practice Scheme, 2007-2008.
- Chair of Commission of Academic Accreditation, Ministry of Higher Education & Scientific Research, UAE, for validation of courses at the British University of Dubai, 2007.
- Visiting Professor of Cultural Education, Finnish Foundation for Environmental Education, 2006 -2013.
- Researcher, Arts Council of England Creative Partnerships, 2006-2007.
- Associate, WYG International and the Government of Romania, international case studies in best practice in teacher education, 2006-2007.
- Lecture tour: Sukhothai Thammathirat Open University, Thailand, Royal Melbourne Institute of Technology, Victoria, and Deakin University, Victoria, 2006.
- Member of Higher Education Funding Council of England's Active Learning-Active Citizenship Project, 2005-2008.
- Invited lecture, Sultan Qaboos University, Oman, 2005.
- Co-convenor, UK Economic and Social Research Council Teaching and Learning Research Programme ICT Thematic Group, 2004-2006
- Member of UK British Educational Communications and Technology Agency, DEMOS, National Endowment for Science, Technology and Arts, and Futurelab, Working Party on Personalised Learning, 2004-2006.
- Invited international delegate at Intel Teach to the Future International Curriculum Roundtables, Oregon, USA, 2002-2003.
- Scientific Director, Econet Europe (a consortium of educational institutions in Estonia, Italy, Finland, Sweden, and UK working in the fields of cultural,

environmental and technological education through European Union projects), 2001-2005.

- Research Mentor in the Best Practice Research Scholarships Scheme, UK Department for Education and Skills, 2001-2004.
- Editor, *Journal of Information Technology for Teacher Education*, 1999-2002.
- British Council Lecture Tour in Australia and New Zealand, 1994.

MEMBERSHIP OF SOCIETIES

- Association of Art Historians
- Devon and Exeter Institution
- Linnean Society
- International Society for Intellectual History
- Mammal Society
- Richard Jefferies Society
- Scientific and Medical Network
- Société Internationale d'Ethnologie et de Folklore
- Society of Biology
- Wiltshire Archaeological & Natural History Society