

## 1. Personal Information

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## Higher Education

1985 Open University, Institute of Educational Technology. Ph.D.  
Dissertation: Interpreting Cartesian Graphs: A Study of Children's Interpretation Skills Using Computers. (Advisor: Professor Tim O'Shea)

1972 Chelsea College University of London, Teacher training (audited)

1971 University of Ulster, Honors Degree, Biology (scholarship for Ph.D. guaranteed)

## Employment and promotions *Note: Equivalent US rank is noted for UK appointments.*

2015, July 1, University of Maryland, College Park, College of Information Studies – "Maryland's Information School", Professor & Dean Emerita.

2010 University of Maryland, College Park, College of Information Studies – "Maryland's Information School", Professor & Dean, 2<sup>nd</sup> term

2005 University of Maryland, College Park, College of Information Studies – "Maryland's Information School", Professor & Dean, 1<sup>st</sup> term

2002 University of Maryland Baltimore County, Professor, Information Systems Department.

1997 University of Maryland Baltimore County, Professor and Department Chair, Information Systems Department

1994 South Bank University, Professor of Information Systems and Human-Computer Interaction and Director of the Research Center for People and Systems Interactions.

1991-1992 Open University Graduate tutor for Human-Computer Interaction

1990 Open University, Senior Lecturer (equivalent to a *senior Associate Professor*)

1985 Open University, Lecturer in Computing (equivalent to *Associate Professor*)

1981 Open University, Lecturer in Computer Based Education (equivalent to *Assistant Professor*)

1979 Open University, Milton Keynes, Course Manager

1977 Barnfield College, Lecturer in Biology and Computing (equivalent to *College Lecturer*)

1975 Computers in the Curriculum Project, University of London, Researcher and Developer

1974 The Study, Wimbledon, Head of High School Science

1972 Faraday Comprehensive School, London, Borough of Ealing. High School Teacher

## **Visiting positions**

2016 Fall semester visitor School of Library and Information (SLAIS) University of British Columbia, Vancouver, Canada.

2017 Spring semester visitor at Royal Holloway College, University of London, England, UK

2004 Waikato, New Zealand

2004 Christchurch, New Zealand

## **Brief overview of my career**

In 1975 I joined the Computers in the Curriculum Project at Chelsea College, University of London. This was a national, highly innovative project to develop computer-based learning curricula for teaching science in universities and senior high schools.

I moved to the Open University (OU) where I started working on my Ph.D. part-time in 1980 while working full-time in the Biology Department at the OU. In 1985 my Ph.D. was awarded and I was given the equivalent of immediate tenure in the Computing Department at the OU - an unusual honor.

In 1994 I became Professor of Information Systems and founding Director of the Center for People and Systems Interaction at South Bank University, London, UK. In December 1996 I moved to the USA. In January 1997 I became Professor and Chair of the Information Systems Department at University of Maryland Baltimore County. I held this position for six years and though I was encouraged to continue, I decided to return to research and teaching. During the time that I was department chair we doubled the number of faculty, revised all our programs, developed a distance Masters program, increased our research productivity, and began to plan new programs in human-computer interaction.

In 2005 I accepted a position as Professor of Information Studies in the College of Information Studies at the University of Maryland, College Park. Within a short time I was invited to become Dean of the College of Information Studies – Maryland's iSchool <http://ischool.umd.edu/> I served as dean for over 10 years and on June 30, 2015, I stepped down and took sabbatical leave. During the time that I was Dean we successfully reaccredited the Master of Library Science program twice, built up the Master of Information Management Program, created the Human Computer Interaction Masters Program and developed and got approved plans to launch an undergraduate program in Data Science. The number of faculty members and staff more than doubled and we became an Information School with a substantial portfolio of research and impressive record of publications per faculty member.

## **2. Research and Scholarship**

After completing my Ph.D. in 1985 my research focused on information systems, computer-mediated communication, human-computer interaction, and online communities. I also gained expertise as an author and teacher in distance education though at that time the Computing Department at the OU did not encourage publishing articles about distance education. From the early 1990s my research focused on the design and management of digital social media. I was particularly interested in what motivates participation and the relationship between usability and sociability (social interaction and management) and how these aspects influenced

technology design. I studied participation, the barriers to participant and while people participate silently – i.e., lurk. I coined the term “empathic communities” to describe the high level of empathy expressed in some online community spaces, particularly patient support communities. From around 2009 I realized that I could bring together my knowledge of ecology from my first degree and my passion for natural history with my knowledge and skills in technology design to study the use of technology to support citizen science. I am particularly interested in collecting, documenting and archiving biodiversity data using technology (e.g., crowdsourcing) to leverage the efforts of the public through citizen science, and citizen science education. One of my overall research goals is to understand and create strategies to motivate participation, particularly for long-term citizen involvement. Another goal is to support diversity in public participation in biodiversity citizen science that leads to advocacy and conservation of species.

## Books

Sharp, H., Rogers, Y., Preece, J. (2019) *Interaction Design: Beyond Human-Computer Interaction*. New York: John Wiley & Sons. 5th Edition [www.id-book.com](http://www.id-book.com)

Preece, J., Rogers, Y., Sharp, H. (2015) *Interaction Design: Beyond Human-Computer Interaction*. Chichester, UK: John Wiley & Sons. 4th Edition [www.id-book.com](http://www.id-book.com)

Rogers, Y., Sharp, H., Preece, J. (2011) *Interaction Design: Beyond Human-Computer Interaction*. Chichester, UK: John Wiley & Sons. 3rd Edition [www.id-book.com](http://www.id-book.com)

Sharp, H., Rogers, Y., Preece, J. (2007) *Interaction Design: Beyond Human-Computer Interaction*. Chichester, UK: John Wiley & Sons. 2nd Edition. [www.id-book.com](http://www.id-book.com)

Preece, J., Rogers, Y. & Sharp, H. (2002) *Interaction Design: Beyond Human-Computer Interaction*. New York, NY: John Wiley & Sons. (519 pages) This co-authored book is the text for teaching human-computer interaction to undergraduate and masters students in many universities. [www.id-book.com](http://www.id-book.com). We rotate the authorship with each edition. Currently we are working on plans for the 5<sup>th</sup> edition which we anticipate will be published in 2020.

Van den Bresselaar, P., de Michelis, G., Preece, J., Simone, C. (Eds.) (2005) *Communities and Technologies*, 2005. Netherlands: Springer.

Preece, J. (2000) *Online Communities: Designing Usability, Supporting Sociability*. Chichester, UK: John Wiley & Sons. (439 pages)

This was one of the first comprehensive texts about online communities and it was the first book to coherently bring together the sociability and usability issues in online community development.

Preece, J., Rogers, Y., Sharp, H., Benyon, D., Holland, S. & Carey, T. (1994) *Human-Computer Interaction*. Wokingham, UK: Addison-Wesley. (775 pages)

This book was a leading text in HCI until *Interaction Design* was published in 2002. In the October 1994 issue of the *SIGCHI Bulletin*, Gary Perlman said in his review: "Preece et al. have done for HCI what Pressman and Sommerville did for software engineering in their widely used textbooks: they have digested the research and practice and presented the material in a pedagogically sound manner. ... it is the first [book] that fits the billing of a good textbook for graduate and undergraduate use." p. 82. Seven years later in a review of the top ten HCI books on Amazon Perlman still rated this book as number 8 with the comment “the first real textbook in HCI - still useful”.

Preece, J. (Ed.) (1993) *A Guide to Usability: Human Factors in Computing*. Wokingham, UK: Addison-Wesley.

Preece, J. & Davies, G. (1991) *Getting the Most from Office Technology*, U.K Crown Copyright.

Preece, J. et al. (1990) *A Guide to Usability*, Open University and Crown Copyright.

Preece J. & Keller L. S. (Eds.) (1990) *Readings in Human-Computer Interaction*, Prentice-Hall, 1990.

### **Book Chapters & Forwards**

He, Y., Boston, C., Preece, J., Bowser, A., Hansen, D. L., Hammock, J. (2018) Towards citizen inquiry: From class-based environmental projects to citizen science. In Christothea Herodotou, Michael Sharples, Eileen Scanlon. *Citizen Inquiry: Synthesising Science and Inquiry Learning*. Routledge, Taylor Francis: London and New York.

Preece, 2011, *E-Health Communities and Online Self-Help Groups: Applications and Usage* edited by Dr. Åsa Smedberg.

Preece, J. (2009) *Sociability*. In Helmut Anheier and Stefan Toepler (Eds.) *International Encyclopedia of Civil Society*, New York: Springer Science.

Preece, J. (2009) Forward. In Stylianos Hatzipanagos and Steven Warburton (Eds.) *Social Software and Developing Community Ontologies*. IGI Publishing

Preece, J. (2009) An Event-driven Community in Washington, DC: Forces that Influence Participation. Chapter 6. In M. Foth (Ed.), *Handbook of Research on Urban Informatics: The Practice and Promise of the Real-Time City*. Hershey, PA: Information Science Reference, IGI Global.

Preece, J. (2007) Forward. Diane Nahl and Diane Bilal (Eds.) *Information and Emotion: The emergent affective paradigm in information behavior research and theory*. ASIST Monograph Series. xv-xvi

Preece, J. (2007) Forward. Elspeth McKay (Ed.) *Enhancing Learning Through Human-Computer Interaction*. Idea Group Publishing.

Preece, J. (2007) Making Universal Access Truly Universal: Looking Towards the Future. Chapter 19. In J. Lazar (Ed.) *Universal Usability*. Chichester, UK: John Wiley & Sons.

Abras, C., Maloney-Krichmar, D., Preece, J. (2004) User-Centered Design. In Bainbridge, William Sims (Ed.). (2004). *Berkshire Encyclopedia of Human-Computer Interaction*. Great Barrington, MA: Berkshire Publishing Group.

Preece, J., Maloney-Krichmar, D. and Abras, C. (2003) History of Online Communities In Karen Christensen & David Levinson (Eds.), *Encyclopedia of Community: From Village to Virtual World*. Thousand Oaks: Sage Publications, 1023-1027.

Nonnecke, B. & Preece, J. (2003) Silent Participants: Getting to Know Lurkers Better. In C. Leug & D. Fisher (Eds.) *From Usenet to CoWebs: Interacting with Social Information Spaces*. Springer-Verlag: Amsterdam, Holland, 110-132.

- Smith, D., Huang, Z., Preece, J., Sears, A. (2002) The Effects of Using a Triangulation Approach of Evaluation Methodologies to Examine the Usability of a University Website. In T. Barrier (Ed.) *Human-Computer Interaction Development and Management*. IRM Press: Hershey, 243-254.
- Preece, J. and Diane Maloney-Krichmar (2002) Online Communities. In J. Jacko and A. Sears, A. (Eds.) *The Human-Computer Interaction Handbook*, Lawrence Erlbaum Associates Inc. Publishers. Mahwah: NJ. 596-620.
- Preece, J. (2002) Interaction Issues for Special Applications. Introduction to Section III. In J. Jacko and A. Sears (Eds.) *The Human-Computer Interaction Handbook*, Lawrence Erlbaum Associates Inc. Publishers. Mahwah: NJ. 623-525.
- Preece, J. (Ed) (2002) Section 111C Interaction Issues for Special Applications in J. Jacko, A. Sears (Editors of Collection), *The Human-Computer Interaction Handbook*. Lawrence Erlbaum Associates, Mahwah, NJ, 523-755 (11 chapters).
- Lazar, J. and Preece, J. (2002) Online Communities: Usability, Sociability and Users' Requirements. In H. van Oostendorp, *Cognition in the Digital World*. Lawrence Erlbaum Associates Inc. Publishers. Mahwah: NJ. 127-151
- Preece, J. and Ghozati, K. (2001) Observations and Explorations of Empathy Online. In. R. R. Rice and J. E. Katz, *The Internet and Health Communication: Experience and Expectations*. Sage Publications Inc.: Thousand Oaks. 237-260.
- Lazar, J. and Preece, J. (2001) Using Electronic Surveys to Evaluate Networked Resources: From Idea to Implementation. In C. R. McClure and J. C. Berto, *Evaluating Networked Information Services: Techniques, Policy and Issues*. Medford, NJ: Information Today.
- Preece, J. (2001) Online communities: Usability, Sociability, Theory and Methods. In R. Earnshaw, R. Guedj, A. van Dam and T. Vince (Eds) *Frontiers of Human-Centred Computing, Online Communities and Virtual Environments*. Springer Verlag: Amsterdam, 263-277.
- Preece, J. J. (1993) Hypermedia, Multimedia and Human Factors, Chapter 7 In C. Latchem, J. Williamson, and L. Henderson-Lancett. (Eds) *Interactive Multimedia, Practice and Promise*. Kogan Page. 135-150.
- Preece, J. J. (1991) Supporting User Testing in Human-Computer Interaction, In H. Maurer (Ed.) *New results and New Trends in Computer Science, Lecture Notes in Computer Science*, 555. Springer-Verlag. 256-267.
- Preece, J. (1990) Issues Concerned with Displaying Quantitative Information Graphically. In M. Tauber. *Visualisation in Human Computer Interaction*. Springer-Verlag.
- Preece, J. and Jones A. (1986) Distance learning and the Third World. In C. Taylor (Ed) *Information Transfer*. Vol 9, Pergamon Press, 93-108.
- Preece, J. and Jones A. (1986) Using simulations in Science Education in developing countries. In C. Taylor (Ed.) *Information Transfer*. Vol 9, Pergamon Press, 117-136
- Preece, J. (1983) Graphs are not Straightforward. In T. R. G. Green, S. J. Payne and G. L. Van der Veer (Eds.). *The Psychology of Computer Use*. Academic Press.
- Preece, J. (1978) Human Energy Expenditure. In M. E. Leveridge. Ch. 7, *Computers in the Biology Curriculum*. Edward Arnold.

Preece, J. (1978) *Predator–Prey Relationships*. In M. E. Leveridge. Ch. 4, *Computers in the Biology Curriculum*, Edward Arnold.

### Refereed Journal Publications

Preece, J., Pauw, D., Clegg, T. (2019) Interaction design of community-driven environmental projects (CDEPs): A case study from the Anacostia Watershed. *PNAS* February 5, 2019 116 (6) 1886-1893; published ahead of print February 5, 2019 <https://doi.org/10.1073/pnas.1808635115>

Warrick, E., Preece, J., Clegg, T., Boston, C., Pauw, D. (2018 accepted with revisions) Leveraging Community Assets: Designing the NatureNet Platform. *Journal of Technology and People, ACM Transactions on Social Computing*.

Clegg, T., Preece, J., Warrick, E., Pauw, D., Boston, C., & Cameron, J. (2018 accepted with revisions). Community-Driven Informal Adult Environmental Learning: Using Theory as a Lens to Identify Steps Toward Concientización. *Journal of Environmental Education*.

Preece, J. (2016) Citizen Science: New Research Challenges in HCI, *Int'l J. of Human-Computer Interaction* 32, 8, 585-612  
<http://www.tandfonline.com/doi/full/10.1080/10447318.2016.1194153>

Hou, W., Komlodi, A., Lutters, W., Hercegfi, K., Preece J., Druin, A. (2014) Supporting children's online identity in international communities. *Behaviour and Information Technology*, 34, 4, 375-391 <http://www.tandfonline.com/doi/full/10.1080/0144929X.2014.948490>

Bowser, A., Wiggins, A., Shanley, L., Preece, J., & Henderson, S. (2014). "Sharing data while protecting privacy in citizen science" (PDF). *Interactions*. 21 (1): 70–73. [doi:10.1145/2540032](https://doi.org/10.1145/2540032).

Rotman, D., Procita, K., Hansen, D., Parr, C.S., Preece, J. (2012) Supporting Content Curation Communities: The Case of the Encyclopedia of Life. *JASIST*, 63, 6, 1092–1107.

Shneiderman, B. Preece, J. Pirolli, P. (2011) Realizing the Value of Social Media Requires Innovative Computing Research, *Communications of the ACM*, 54, 9, 34-37.

Goldberg, L., Lide, B., Lowry, L., Massett, H., O'Connell, T., Preece, J., Quesenbery, W., and Shneiderman, B., (2011) Usability and accessibility in consumer health informatics: Current trends and future challenges, *American Journal of Preventive Medicine*.

Shneiderman, B., Preece, J., Pirolli, P. (2011) Promoting Technology-Mediated Social Participation, #CRA <<http://twitter.com/#!/search?q=%23CRA>> <http://bit.ly/eNU2PR>

Pirolli, P., Preece, J., Shneiderman, B. (2010) Technology Mediated Social Participation. *IEEE Computer*, 20-21.

Preece, J. & Shneiderman, B. (2009) The Reader-to-Leader Framework: Motivating Technology-Mediated Social Participation", *AIS Transactions on Human-Computer Interaction*, (1) 1, Article 1, 1-21. <http://aisel.aisnet.org/thci/vol1/iss1/5/>

Rotman, D. & Preece, J. (2010) The WeTube in Youtube. *Journal of Web-Based Communities*, 6, 3, 317-333.

Jaeger, P. T., Shneiderman, B., Fleischmann, K. R., Preece, J., Qu, Y., & Wu, F. P. (2007). Community response grids: E-government, social networks, and effective emergency response. *Telecommunications Policy*, 31, 592-604.

Jaeger, P. T., Fleischmann, K. R., Preece, J., Shneiderman, B., Wu, F. P., & Qu, Y. (2007). Community response grids: Facilitating community response to biosecurity and bioterror emergencies through information and communication technologies. *Biosecurity and Bioterrorism*, 5(4), 335-346.

Komlodi, A., Ho, W., Preece, J., Druin, A., Golub, E., Alburo, J., Liao, S., Elkis, A., Resnick, P. (2007) Evaluating a cross-cultural children's online book community: Lessons learned for sociability, usability, and Cultural exchange. *Interacting with Computers*. 19, 494-511.  
<http://authors.elsevier.com/offprints/INTCOM1598/e2fb0289e570622d3bad2d812d20aad6>

Shneiderman, B., Preece, J. (2007) 911gov. *Science* 315, 944.  
<http://www.sciencemag.org/cgi/content/summary/315/5814/944>

Jaeger, P. T., Shneiderman, B., Fleischmann, K. R., Preece, J., Qu, Y., & Wu, F. P. (2007) Community response grids: E-government, social networks, and effective emergency response. *Telecommunications Policy*, 31, 592-604. <http://www.cs.umd.edu/hcil/911gov/>

Nonnecke, B., Preece, J., & Andrews, D. (2005). Lurking and public participation in discretionary online communities. *Electronic Commerce Research*. 5(4).

Abras, C., Ozok, A., Preece, J. (2005) Research methods for validating and deriving guidelines for e-learning online communities. *Interactive Technology and Smart Education*, 2, 207-219. Troubator Publishing.

Preece, J. and Jones, A. (2006) Online Communities for teachers and life-long learners: A framework for comparing similarities and identifying differences in Communities of Practice and Communities of Interest *International Journal of Learning Technology*. 2, 2/3, 112-137.  
<http://www.inderscience.com/browse/index.php?journalID=87&year=2006&vol=2&issue=2/3>

Schoberth, T., Heinzl, A., Preece, J. (2006) Exploring Communication Activities in Online Communities: A Longitudinal Analysis in the Financial Services Industry. *Journal of Organizational Computing and Electronic Commerce*. 16, 3 /4, 247-265. Lawrence Erlbaum Associates, Inc. Country of Publication: United States - Mahwah, NJ.

Nonnecke, B., Andrews, D., Preece, J. (2006) Non-public and public online community participation: Needs, attitudes and behavior. *Electronic Commerce Research*, 6, 1, 7-20.

Maloney-Krichmar, D., Preece, J. (2005) A multilevel analysis of sociability, usability and community dynamics in an online health community. *Transactions on Human-Computer Interaction (TOCHI)*, 12, 2, 1-32.

- Preece, J. (2004) Online Communities: Researching sociability and usability in hard to reach populations. *AJIS, Australian Journal of Information Systems*, 146-151.
- Preece, J., Nonnecke, B., Andrews, D. (2004) The Top Five Reasons for Lurking: Improving Community Experiences for Everyone. *Computers in Human Behavior*. 20, 2, 201-223.
- Andrews, D., Nonnecke, B., Preece, J. (2004) Online community personalities: Characteristics that influence participation. *Behavior and Information Technology Journal*.
- Preece, J. (2004) Etiquette Online: From nice to necessary. *Communications of the ACM*, 47, 4, 56-61
- Preece, J., Abras, C., Maloney-Krichmar, D. (2004) Designing and Evaluating Online Communities: Research Speaks to Emerging Practice. *International Journal of Web-based Communities*. 1, 1, 2-18.
- Nahm, E.-S, Preece, J., Resnick, B., & Mills, M. E. (2004) Usability of Health Web Sites for Older Adults: A Preliminary Study. *Computers, Informatics and Nursing*, 22, 6, 326-336.
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- Andrews, D., Preece, J., and Turoff, M. (2002) A conceptual framework for demographic groups resistant to online community. *International Journal of Electronic Commerce*, 6, 3, 9-24.
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- Brown, J. R., van Dam, A., Earnshaw, R., Encarnacao, J., Geudj, R., Preece, J., Shneiderman, B., Vince, J. (1999) Human-centered computing, online communities, and virtual environments. *IEEE Computer Graphics and Applications*. 19, 6, 70-74.
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- Brown, J. R., van Dam, A., Earnshaw, R., Encarnacao, J., Geudj, R., Preece, J., Shneiderman, B., Vince, J. (1999) Special report on human-centered computing, online communities, and virtual environments. *ACM SIGGRAPH Computer Graphics*. 33, 3, 42-62
- Preece, J. (1999) Empathy online. *Virtual Reality*. 4, 1-11.
- Lazar, J & Preece, J. (1999) Designing and implementing web-based surveys. *The Journal of Computer Information Systems*. Xxxix, 4, 63-67
- Lazar, J., Tsao, R., and Preece, J. (1999). One foot in cyberspace and the other on the ground: A case study of analysis and design issues in a hybrid virtual and physical community. *WebNet Journal: Internet Technologies, Applications, and Issues*, 1, 3, 49-57.
- Van Oostendorp, H., Preece, J. and Arnold, B. (1999) Designing multimedia for human needs and capabilities. Guest editorial. *Interacting with Computers, The Interdisciplinary Journal of Human-Computer Interaction*. 12, 1, 1-5
- Preece, J. (1999) Empathic communities: Balancing emotional and factual communication. *Interacting with Computers, The Interdisciplinary Journal of Human-Computer Interaction*. 12, 1, 63-77.
- Squires, D. and Preece, J. (1999) Predicting quality in educational software: Evaluating for learning, usability, and the synergy between them. *Interacting with Computers, The Interdisciplinary Journal of Human-Computer Interaction*, 11, 5, 467-483.
- Squires, D. and Preece, J. (1996) Usability and learning: Evaluating the potential of educational software. *Computers and Education*, 27, 1, 15-22.
- Ramsay, J., Barbaresi, A. and Preece, J. (1998) A psychological investigation of long retrieval times on the World Wide Web. *Interacting with Computers, The Interdisciplinary Journal of Human-Computer Interaction*, 10, 77-86.
- Ramsay, J., Barbaresi, A. and Preece, J. (1996) Informal communication is about sharing media and objects. *Interacting with Computers, The Interdisciplinary Journal of Human-Computer Interaction*, 8, 3, 227-283.
- Gasen, J. and Preece, J. (1996) Collaborative team projects: Key issues for effective learning. *Journal of Educational Technology Systems*, 24, 4.
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Nonnecke, B., Jacques, R., McKerlie, D. and Preece, J. (1995) Video-based hypermedia: Guiding design with users questions, *The New Review of Hypermedia and Multimedia: Applications and Research*, 1, 185-197.

Preece, J. and Shneiderman, B. (1995) Survival of the fittest. The evolution of multimedia. *ACM Computing Surveys*, 27, 4 (December) 557-559.

Preece, J. J. and Rombach, D. (1994) A taxonomy for combining software engineering (SE) & human-computer interaction (HCI) measurement approaches: Towards a common framework. *The International Journal of Man-Machine Studies*, 14, 553-583.

McKerlie, D. and Preece, J. J. (1993) The hype and the media: Issues concerned with designing hypermedia, *Journal of Microcomputer Applications*, 16, 1, 33-47.

Jacques, R., Nonnecke, B., and Preece, J. (1993) Current designs in HyperCard: What can we learn? *Journal of Educational Multimedia and Hypermedia*, 2, 3, 219-237.

Preece, J. (1993) Human-computer interaction in the informatics curriculum. *Education and Computing*.

Preece J. and Janvier C. (1992) The role of context in interpreting graphs. *Journal of School Science and Mathematics*, 6, 299-306.

Preece, J. J. and Janvier, C. (1993) Interpreting trends in multiple curve graphs of ecological situations - The Role of Context, *International Journal of Science Education*, 15, 2, 199-212.

Preece, J. J. and Keller, L. S. (1991) Teaching the practitioners: Developing a distance learning postgraduate HCI course. *Interacting with Computers*, 3, 1, 92-118.

Preece, J. J. and Crellin, J. (1991) Assessing the usability of different evaluation techniques in a small company. *Journal of Information and Software Technology*, 33, 5, 366 - 382.

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Preece J. and Jones A. (1985) Training teachers to select educational computer software. *British Journal of Educational Technology*, 1, 16, 9-20.

Preece J. and Squires D. (1984) Selecting CAL Packages: Helping teachers to recognize quality software. *Computer Education*, 4, 6, 20-21.

Preece J. (1983) A study of pupils' graph concepts with a qualitative interactive graph sketching program. *Computer Education*, 8, 1, 159-163.

#### **Refereed Conference Publications**

Tamara Clegg, Jennifer Preece, Carol Boston, Elizabeth Warrick, Daniel Pauw (2018) Designing Technology for Place-based Community Projects for Learning and Sharing. (Refereed Extended Abstract) *ICLS 2018 Community Citizen Science Symposium*, London, UK.

Wu, P and Preece, J. (2017) From Reward to Gratitude: Indirect Reciprocity in Online Communities. *JAIS Theory Development Workshop* (refereed), Seoul, December.

Warrick, E., Clegg, T., Preece, J. Kibutu, J. (2017) Toward a Definition of Indigenous Citizen Science. *Citizen Science Conference*, Minneapolis

Preece, J. Clegg, Warrick, E, Pauw, D. Boston, C., (2017) From Environmental Education to Citizen Science. *Citizen Science Conference*, Minneapolis

Boston, C., Preece, j., Clegg, T. Maher, M.L, Yeh, T., Grace, K. (2017) Project Slam: NatureNet, *Citizen Science Conference*, Minneapolis.

Cordosa, M, C. and Preece, J. (2017) Designing an Onboarding Process for a complex first-time user experience (*CHI'2017 Case Study*, under review)

Striner, A. and Preece, J. (2017) Redefining StreamBED 2.0 through In-Depth Interviews, Stream Training and a Low Fidelity Prototype. (*CHI'2017 late breaking*, under review)

Preece, J., Boston, C., Clegg, T. et al. (2017) Supporting Environmental Stewards' Needs with Technology. *CSCW'2017* Portland Feb 26 - March 1.

Pauw, D., Warrick, E., Clegg, T., Preece, J., Boston, C. (2017) Connecting Affinity Spaces To Places And Back: A Look At Pokemon Go. *CSCW'2017* Portland Feb 26 - March 1.

Bowser, A., Shilton, K., Warrick, E., Preece, J. (2017) Accounting for Privacy in Citizen Science: Ethical Research in a Context of Openness. *CSCW'2017* Portland Feb 26 - March 1.

Cordosa, M, C. and Preece, J. (2017) Designing an Onboarding Process for a complex first-time user experience (*CHI'2017 Case Study*, under review)

Striner, A. and Preece, J. (2017) Redefining StreamBED 2.0 through In-Depth Interviews, Stream Training and a Low Fidelity Prototype. (*CHI'2017 late breaking*, under review)

Clegg, T., Preece, J., Pauw, D., Warrick, E., and Boston, C. (2016). Environmental Learning through the Lens of Affinity Spaces: Transforming Community Members into a Community Force. *International Conference of the Learning Science, Singapore Proceedings, 2016*, pp. 851-854.

Preece, J., Boston, C., Maher, M., Grace, K., and Yeh, T. (2016). From Crowdsourcing Design to Participatory Design and Back Again! *ECSM2016-Proceedings of the 3rd European Conference on Social Media*, Caen, France, July. pp. 315-323. [www.academic-bookshop.com/ourshop/prod\\_5121935-ECSM-2016-Proceedings-of-The-3rd-European-Conference-on-Social-Media-.html](http://www.academic-bookshop.com/ourshop/prod_5121935-ECSM-2016-Proceedings-of-The-3rd-European-Conference-on-Social-Media-.html)

Warrick, E., Kibutu, J., Clegg, T., Preece, J. (2017) Toward a Definition of Indigenous Citizen Science in Kenya. *Citizen Science Association Conference*, Wisconsin, May 2017.

Warrick, E., Preece, J., Kibutu, J., Sihanya, B. (2016) Social Media as an Indigenized Information World For Environmental Stewardship *AfriCHI 2016* Nairobi, Kenya, November

Wu, P., Preece, J. (2016) Factors influencing the norm of reciprocity in online communities. *Virtual Team Norms Symposium, AOM*, Edinburgh, Scotland, August 2016.

He, Y., Preece, J., Hammock, J., Butler, B., & Pauw, D. (2015). Understanding Data Providers in a Global Scientific Data Hub. Poster to be presented at the CSCW 2015. Vancouver, Canada, March 14-18.

Wiggins, A., Preece, J. and many others (2015) Understanding Data Providers in a Global Scientific Data Hub. *Citizen Science Conference*, San Jose, February 11 & 12.

Bowser, A., Shilton, K., Preece, J. (2015). Privacy in Citizen Science: An Emerging Concern for Research & Practice. *Citizen Science Conference*, San Jose, CA, February 11-12.

Bowser, A., Hansen, P., Preece, J., He, Y., Boston, C., and Hammock, J. (2014). Gamifying citizen science: A study of two user groups. In *Proceedings of the Companion Publication of the 17th ACM Conference on Computer Supported Cooperative Work & Social Computing* (pp. 137-140). New York: ACM.

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Anne Bowser, Yurong He, Dana Rotman, Jennifer Preece, Derek Hansen, Carol Boston, Jen Hammock, Motivating Participation in Citizen Science, *European Conference on Social Media*, Brighton, UK, July 10, 11, 2014.

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### **Refereed Workshop, Panel and Magazine Publications**

Preece, J. (2018) Environmental Fairness and Justice: A Role for Human-Computer Interaction In Light, A., Frauenberger, C., Preece, J., Strohmeier, P., and Ferrario, M. (2018). *Interactions Magazine: Special Topic: Taking Action in a Changing World*.

Preece, J. (2017) How two Billion Smartphone Users Can Save Species. *Interactions Magazine*. March-April 2017 Vol. XXIV.2, 27-33.

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Preece, J., Maher, M. L., Yeh, T. Boston, C., Grace, K., Travis, ??, etc. (2017) NatureNet. Project Slam *Citizen Science Association (CSA) Conference*, May 17th – 20th, 2017 in Twin Cities, Minnesota.

Law, E., Wiggins, A., Brier, J., Newman, G., Preece, J., Shirk, J., Williams, A. (2017) The Science of Citizen Science: Theories, Methodologies and Platforms. *CSCW 2017 Workshop Proposal*.

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Jenny Preece, (2015) Motivating and demotivating factors for long-term participation. *Citizen Science Conference*, February 11 &12, San Jose. CA.

Anne Bowser, Katie Shilton, Jennifer Preece (2015) Privacy in Citizen Science: An Emerging Concern for Research & Practice. *Citizen Science Conference*, February 11 &12, San Jose, CA.

Carol Boston, Marshini Chetty, Jennifer Preece (2015) Understanding and supporting community exploration of local green spaces through technology. *Citizen Science Conference*, February 11 &12, San Jose, CA.

Bowser, A., Wiggins, A., Shanley, K., Preece, J., Henderson (2014) Sharing Data While Protecting Privacy in Citizen Science. *Interactions Magazine*, January-February 2014, 70-73.

Churchill, E. F., Bowser, A., Preece, J. (2013) Teaching and Learning Human- Computer Interaction: Past, Future and Present. *Interactions Magazine*, Vol XX.2, March and April, 44-53.

Rotman, D. & Preece, J. Extending the Field – Challenges to Qualitative Research in Large Scale Online Environments. *CHI 2012 Workshop paper*

Bederson, B., Druin, A., Guimbretière, F., Norman, K., Oard, D., Preece, J., Shneiderman, B. (2005) University of Maryland: Three options for HCI Ph.D. education. *HCI Graduate Education Workshop, CHI 2005* <http://hcc.cc.gatech.edu/submissions/UMd.pdf>

Preece, J. (2003) E-learning technologies can be used to make a difference in children's lives. *eLearn Magazine Column 12* June 2003 <http://elearnmag.org/>

Dykstra-Erickson, E., Rogers, Y., Sharp, H., Preece, J. (2002) Perspectives on Interaction Design. *ACM Interactions*, March/April, 1X-2, 119-122.

Preece, J. (2001) Online Communities: Designing usability and supporting sociability. *IFIP Newsletter*, 18, 3, 3-5.

Bruckman, A., Druin, A., Inkpen, K., and Preece, J. (2001) The Children's Challenge: New

Technologies and Children. *ACM SIGCHI Bulletin*.

Farnham, S., Smith, M., Preece, J. Bruckman, A. and Schuler, D. (2001) Integrating Diverse Research and Development Approaches to the Construction of Social Cyberspaces. *CHI'2001 Workshop Proposal, Extended Abstracts, CHI 2001, 489-490*.

Preece, J. (2000) Online Communities: Empathy, Participation and Lurking. Position paper for *Online Communities Workshop. CHI'2000*.

Nonnecke, B. and Preece, J. (1999) Lurking Online. Position paper for *Online Communities Workshop. CHI'99*.

Preece, J. (1999) Invited position paper for *NSF and EU Workshop* – invitation only to develop a research agenda for HCI. *A research agenda for Online Communities: Understanding behavior, predicting outcomes and informing design*. June 1-5, Toulouse, France.

Preece, J. (1999) What happens after you get online? *Information Impacts Magazine*. December [http://www.cisp.org/imp/december\\_99/12\\_99preece.html](http://www.cisp.org/imp/december_99/12_99preece.html)

Preece, J. (1998) Empathic communities: Reaching out across the web. *Interactions*, 32-43.

Preece, J. (1998) CHI Panel, 'Human-Computer Interaction Education'. *CHI'98 Companion Volume of Proceedings*.

Neal, L. and Preece, J. (1998) *CHI Panel, 'Distance Education'*. *CHI'98 Companion*.

Neal, L. and Preece, J. (1998) Workshop Report on Distance Education, *ACM SIGCHI Bulletin*.

Ramsay, J., Jacques, Preece, J. (1996) CHI Organization Overview: Research at the Center for People and Systems Interaction. *CHI'96 Companion*.

Preece, J. (1995) CHI Panel 'Human-Computer Interaction Education. *CHI'95*

Gasen, J., Preece, J., Gorny, P. and Hewett, T. (1993) Advances in Teaching the HCI Design Process, *ACM SIGCHI Bulletin*.

Keller, L. and Preece, J. (1992) Who develops tools for whom, for what and how? *Simulation and Modelling Workshop, University of Surrey*.

Preece, J. J. (1992) *Lessons learnt from Teaching CHI: Challenges, Innovations and Visions*. Position paper, *CHI'92 Workshop*.

Preece, J. and Keller, L. (1991) Teaching Human-Computer Interaction to Professionals by Distance Education, *British Computer Society HCI Newsletter*.

Mantei, M., Hewett, T., Eason, K. and Preece, J. (1991) Report on the INTERACT'90 workshop on education in HCI: Transcending disciplinary and national boundaries. *Interacting with Computers*, 3, 2, 232-240.

Preece, J. J. and Keller, L. S. (1990) Key Issues in HCI Curriculum Design, *SIGCHI Bulletin of the ACM*.

Preece, J. J. and Robinson, H. (1989) *Integrating Evaluation into Design*. Workshop Report. *British Computer Society HCI Newsletter*.

## **Reports, Editorials, Panels and Other Publications**

Arthur M. Sackler Colloquium entitled "Creativity and Collaboration: Revisiting Cybernetic Serendipity. Washington, DC, USA. March 13-14, 2018. Jennifer Preece is organizer and chair for

the panel session entitled: *Citizen Science Speaks to Research: New Paradigms, New Agendas and Broader Impacts*. She will also present a talk on " *Citizen Science: Opportunities, Challenges, Lessons Learned and Broader Impacts*

Preece, J. (2011) *E-Health Communities and Online Self-Help Groups: Applications and Usage* edited by Dr. Åsa Smedberg. Idea Publishers

Preece, J. (2011) National and International Initiatives for Technology Mediated Social Participation: Promoting Participation in the Encyclopedia of Life. AAAS February 18

Preece, J. (2010) Promoting a National Initiative in Social Participation. *HICCS*, Hawaii, January 2010.

Clough, G., Jones, A. and Preece, J. (2010) Participation in the Geocaching community: Studies of potential and actual participation using a framework derived from research literature. *Open University Technical Report*.

Preece, J. (2009) Promoting a National Initiative in Social Participation. *IEEE Social Computing*, Vancouver, September.

Preece, J. & Shneiderman, B. (2009) Promoting a National Initiative in Social Participation. *Communities and Technologies Conference*, Penn State, June

Preece, J., Maloney-Krichmar, D. (2005) Guest Editors for Special Edition, Online Communities: Design, Theory and Practice Journal of Computer Mediated Communication  
<http://jcmc.indiana.edu/vol10/issue4/>

Alburo, J., Komlodi, A., Preece, J., Druin, A., Elkis, A., Resnick, P. (2005) Evaluating a cross-cultural children's online book community: Sociability, usability and cultural exchange. HCIL Technical Report. <http://hcil.cs.umd.edu/trs/2005-18/2005-18.html>

Alburo, J., Komlodi, A., Preece, J., Clamage, A., Druin, A., Elkis, A., Hou, W., Liao, S., Resnick, P. (2005) Poster and Video. Cross-cultural children's online book communities. University of Maryland, HCIL, Open House, June.

Preece, J. (2004) Online Communities: Researching sociability and usability in hard to reach populations. *OZCHI Conference, Extended Keynote Abstract*. Woolongong, Australia. November 22.

Zhang, P., Nah, F., Preece, J. (2004) Guest Editorial. Human-Computer Interaction in Management Information Systems (Editorial) *Behavior and Information Technology*, 23,3, 147-151.

Preece, J. (2003) Kids and World Tensions: Using educational technology to enhance global communication. *CHI'2003 Conference Newsletter*.

Johnson, D., McDougall, A., Preece, J. (2001) A Tribute to Professor David Squires, 1948-2001. *Computers and Education*, December, 37, 3-4, iii-iv.

- Preece, J. (2001) Online Communities: Designing usability, supporting sociability. *International Federation for Information Processing (IFIP) Newsletter*, 18, 3, 3-5.
- Jones, A. and Preece, J. (2000) Affective support using computers. *IET Technical Report*, Open University, UK.
- Jacques, R. and Preece, J. (1994) Interaction Devices. *Microsoft Encarta*.
- Jacques, R., Nonnecke, B., McKerlie, D. and Preece, J. (1993) An Evaluation of Current Designs of HyperCard Stacks. *Open University Computing Department Report*.
- Preece, J. J. (1992) Assessing Usability. *METKIT Module*.
- Preece, J. J. (1992) HalClon: A proposal for multinational HCI training using hypermedia. *Open University Computing Department Report*.
- Woodman, M. and Preece, J. (1992) Formal methods and Hypermedia. *Open University Computing Department Report*.
- Benyon, D. and Preece, J. (1992) AI and Hypermedia. *Open University Computing Department Report*.
- Preece, J. J. (1991) Usability assessment methods. *A Report for ESPRIT Project METKIT*.
- Preece, J. and Davies, G. (1991) *A Directory of Training in HCI*, HMSO. *Specially commissioned*.
- Preece, J. J. Crellin, J. and Horn, T. (1990) A Case Study of Using Different Evaluation Techniques in a Small Company. *A Report for ESPRIT Project 1257, Muse*.
- Benyon D. and Preece J. (1990) An Architecture for a Human Interface Development Environment (HIDE). *Open University Computing Department Report*.
- Davies, G., Maurer, H., Preece, J. (1990) Presentation metaphors for a very large hypermedia system. *Institutes for Information Processing Graz Technical Report Series, Austria*.
- Preece, J. (1990) Assessing Usability: The State of the Art. *A Report for ESPRIT Project 1257, Muse*.
- Preece J. (1989) An Environment for Supporting the Development of Personal Representations. *Open University Computing Department Report*.
- Preece, J. (1988) A Review of Metrics and Potential Metrics in HCI. *Report for ESPRIT Project 1257, Muse*.
- Preece J., Wheeler A. and Barret M. (1980) Mating. *AUCBE publication, Hertfordshire County Council*.
- Preece J. and Tagg W. (1977) Spread of Disease. *AUCBE publication, Hertfordshire County Council*.

### **Co-authored Teaching Texts for Open University Press**

These texts are published by Open University Press, UK and they represent most of my teaching and curriculum development from 1981-92. Typically they are books of 50-100 pages.

Project Course: Student and Tutor Project Notes. Lead author. (1992)

Computers in Commerce and Industry. MSc Project Notes. Lead author. (1992)

Human-Computer Interaction: Evaluation. Lead author. (1990)

Human-Computer Interaction: Design. Lead author. (1990)

Human-Computer Interaction: Input and Output. Lead author. (1990)

Human-Computer Interaction: Introduction. Lead author. (1990)

Fundamentals of Computing. Academic Editor for 32 learning texts and supplementary materials. (1988)

Programming and Programming Languages. Academic Co-editor for 16 learning texts and supplementary materials (1985).

Educational Computing: Evaluation. Lead author. (1985)

Educational Studies: Contemporary Issues in Education. Lead author. (1984)

Educational Studies: Purpose and Planning in the Curriculum. Lead author. (1982)

Micros in Schools: Educational Software. Evaluation. Lead author. (1983)

Micros in Schools: An Awareness Pack for Teachers. Case Studies. Lead author. (1981)

### **Radio Broadcasts and Youtube Videos**

Videos of: keynote presentation at HCI Conference in Toronto (2016); invited seminar at University of Melbourne (2017); and presentation and session chair at *Creativity and Collaboration: Revisiting Cybernetic Serendipity*, National Academy of Sciences Sackler Colloquium, March 2018.

The Reader-to-Leader Framework. UK Open University. Youtube Video (2016)

Citizen Science: New Challenges for HCI. Youtube Video (2016)

British Broadcasting Company, *BBC Radio 4*, September, 8.30 pm, interviewed about the research work at the Center for People and Systems Interaction, *Connections* Program, Half hour interview (1996)

British Broadcasting Company, *BBC Radio 4*, October 10, 8.30 pm., HCI Guru on Radio 4, *Connections* Program, Half hour interview (1995)

British Broadcasting Company, *BBC Radio 4*, January 1st, 3.30 pm., *The Parts*, Half hour interview on Documentation Design (1992).

### **Online Discussion Guest**

November 3, 2005, Community of Practice Teleconference

March 19, 2002 Invited guest on UMBC TechPort discussion about building online communities.

2000 Guest on David Silver's book report.

March 1999 Invited guest on Community Report. Developing online communities.

### **Sponsorship**

2015 Exploration and Group Collaboration of Massive Online Photo Collections. Yahoo Faculty Research and Engagement Award in the form of an unrestricted gift of \$25,000.



2015 NSF AISL: Innovations in Development: Community-Driven Projects That Adapt Technology for Environmental Learning in Nature Preserves. Approx \$2.4M. PI.

2014 NSF EAGER: Collaborative Research: A Computational Model for Evaluating the Quality of Citizen Science Contributions. \$37,800. PI University of Maryland.  
NSF: IIS1450942 UMD: 5243630

2014 NSF EAGER: Privacy in Citizen Science: An Emerging Concern for Research & Practice \$181,047. Co-PI (PI: Dr. Katie Shilton) NSF: SES1450625 UMD: 5243710

2014 NSF CyberSEES: Collaborative Research: Infrastructure and Technology Support for Citizen Science Data Use and Distribution for Education and Sustainability. \$100,000, Co-PI (PI: Dr. Andrea Wiggins) NSF: CCF1442668 UMD: 5243620

2013 \$5000 Unrestricted gift from Yahoo Research to support research on online collaboration.

2012 NSF IIS 1239863 Summer Social Webshop 2012: Technology Mediated Social participation PI \$99,999 with Alan Neustadt, Ben Shneiderman, Marc Smith.

2012 VOSS: Crowdsourcing interaction design for citizen science virtual organizations, NSF 1162357. PI. U. Maryland \$ 399,872

2012 NSF REU 1140164 Award for two undergraduate students to work with the Biotracker team. PI \$16,000

2011 NSF REU 1140164 Award for two undergraduate students to work with the Biotracker team. PI \$16,000

2011 NSF IIS 1135022 Support for Summer Social Webshop PI \$49,000, which was also supported by Google (\$10,000) and Intel (\$5,000)

2011 SIGCHI \$50,000 to support a Masters Student working on HCI Education Research. PI

2010 NSF Award IIS 11019993 EAGER - Extreme Ethnography: When Content and Tools Change Continually on Vast Scales, How Must Our Research Methods Change? PI \$240,000.

2010 NSF Award SES 0968546 - Biotracker - Melding human and machine intelligence to create large-scale collaborative systems. PI \$749,873.

2009 NSF Award IIS 0956571 – Technology Mediated Social Participation (TMSP) \$86,744, PI Two NSF Workshops: Technology-Mediated Social Participation

2008 \$12,000 Seminar Series, University of Maryland.

2007 \$41,000 Studentship awarded to Center for Information Policy and Electronic Government for work on Community Response Grid, University of Maryland.

2005 15,000 ECU European Commission Project L&E, directed by Professor Paolo Paolini, Politecnico di Milano.

2004, \$10,000 Microsoft Research. Analysis of the dynamics of members interaction in UseNet News groups.

2003, NSF 0328823, \$529,972 Technology for Cross-Cultural Communication in a Children's International Book Community with Allison Druin, Philip Resnick, Jenny Preece (Co-PI) Anita Komlodi.

2003, \$236,000 NSF 0244131 Research Experiences for Undergraduates Site: Human-Computer Interaction, Senior Researcher (6/1/03 - 5/31/06).

2003, \$25,000 Unrestricted gift from Microsoft Research to support research on online communities.

2003, \$3000 Erskine Fellowship, University Canterbury, New Zealand.

2003, \$4000 from the University of Waikato, New Zealand, to support visit.

2000, \$15,000 NSF-1083624 Educational Innovation. Student fellow support for the ACM Conference on Universal Usability. (PI)

1999, \$100 Unrestricted gift from Microsoft Research to support research on online communities.

*GBP stands for Great Britain Pound, which is approx. 1.87 US Dollars. ECU is the European currency, which is approx. 1 US Dollar.*

1995, 21,000 GBP to support a research scholar in HCI from South Bank University Research Committee. (PI)

1994, 21,000 GBP to support a research scholar in HCI from South Bank University Research Committee. (PI)

1993, 68,625 GBP from the United Kingdom Universities Funding Committee. Software Engineering and Usability. (PI)

1993, 143,194 GBP from the UK Science and Engineering Research Council and the Department of Trade and Industry Safety Critical Software Program for a project on 'Productivity, Integrity and Capability Enhancement for Software' (PRICES) (Co-PI).

1992, 243,000 ECU from European Commission LINGUASOFT Program. (Co-PI)

1992, 10,000 GBP from Addison-Wesley Publishers to develop two texts on HCI (PI)

1992, 520,000 ECU from European Commission COMETT Program (PI and Leader of Consortium which included an academic and commercial partner from UK, Ireland, France, Belgium and Portugal and Apple Europe)

1991, 7,000 GBP from the Open University to support research on hypermedia. (PI)

1991, 8,300 GBP from the Open University Research Committee to support research on hypermedia. (PI)

1991, 450 GBP from the British Council to support an academic research visit to the University of Guelph, Ontario, Canada. (PI)

1991, 12,000 GBP from the Open University for research on hypermedia. (PI)

1990, 8,000 GBP to fund research on Usability Assessment for the European Commission ESPRIT project METKIT. (Co-PI)

1990, 76,000 GBP from the UK Department of Trade and Industry to produce an HCI Guide for the Usability Now program of the Enterprise Initiative. (PI)

1990, 23,000 GBP from the UK Employment Department to develop IT training materials. (PI)  
1990, 10,000 GBP from the UK Department of Trade and Industry to produce a Training Guide on HCI. (PI).  
1988, 89,000 GBP Contract with the Dutch Open University for the development of a course in Human-Computer Interaction. (PI)  
1988, 5,000 GBP Research on Usability Assessment for the European Commission's ESPRIT Project. MUSE. (Co-PI)  
1982, 1,000 GBP Open University Research Committee. Research on Graph Interpretation. (PI)  
1981, 600,000 GBP from the UK Department of Education and Science for the Micros in Schools Project. (Co-PI)  
1980, 30,000 GBP from the UK Department of Education and Science for the Micros in Schools Pilot Project (Co-PI).

### **Journal Editorial Boards, Advisory Boards, Major Review Panels**

2017 Smithsonian Institute Environmental Research Center (SERC). Member of Review Committee.  
2016 UK Economic and Social Research Council (ESRC) Review Panel: Ways of Being in a Digital Age.  
2015 Communities and Technologies Conference Committee  
2015 – present Editorial Board *PeerJ* Computer Science Journal  
2015 – present Editorial Board International Journal of Human Computer Interaction  
2014-2016 Advisory Board, NSF supported YardMap Project. Cornell Lab for Ornithology. PI: Janis Dickinson  
2011 – 2013 Advisory Board Member for GRAND - Graphics, Animation, and New Media. Canadian Research Council. PI Kelly Booth.  
2010 – 2013 US Department of Education, Advisory Board Member for networked communities projects  
2008 - present Editorial Board AIS Human-Computer Interaction  
2004 - present Editorial Board International Journal, Universal Access in the Information Society  
2004 - present Editorial Board International Journal of Education and Development Using Information and Communication Technology (IJEDICT)  
2004 - 2007 Editorial Board Computer-Mediated Communication  
2004-2005 Reviewer International Journal of Human-Computer Studies  
2003-2004 Editorial Board Interactions Magazine  
2003 - present International Journal of Web-based Communities  
1995 - present Editorial Board Behavior and Information Technology Journal  
1988 - present Editorial Board Inter-Disciplinary Journal, Interacting with Computers

### **Book Series Technical Advisor**

1997 John Wiley and Sons. *World Series on Human-Computer Interaction*.

### **Grant Proposal Reviewing**

Leverhulme Trust, UK. SERC (Science and Engineering Research Council of the UK), Tri-Councils Research Initiative (SERC, ESRC, MRC of the UK), EPSRC (Engineering, Physical Sciences Research Council of the UK), Fulbright Foundation, US National Science Foundation, Museum and Library Services.

### **Journals Reviewing**

British Journal of Computer Assisted Learning, Interacting with Computers, Journal of Software Engineering, Computer Journal, Transactions on Human Computer Interaction, International Journal of Human-Computer Studies, Interacting with Computers, International Journal of Human-Computer Interaction, Behavior and Information Technology, Computers and Human Behavior, Communications of the ACM, Journal of Learning Science, Human-Computer Interaction, Science, JASIST.

### **Conference Reviewing**

HCI International, SIGCHI, INTERACT, HICSS, WETICE Usability Conference, Communities and Technology, CSCW.

### **Book proposals and manuscript reviewing**

Addison-Wesley, John Wiley and Sons, Academic Press, Springer-Verlag, MIT Press, McGraw Hill, Prentice Hall, Morgan Kaufmann, Lawrence Earlbaum, Idea Publishing, SAGE Publications.

### **Consultancy**

My consultancy work has included contracts with: projects funded by the European Commission, Philips Ltd., de Chezal du Mee (Accountants) of Mauritius, UK Ministry of Defense, UK Department of Trade and Industry, UK Employment Department, IBM, Microsoft, RAND Corps, US National Pain Foundation, European Union 6<sup>th</sup> Framework, University of Guelph, Canada, Virginia Commonwealth University, Open University, UK.

### **Honors and Awards**

2011 ACM SIGCHI Fellow

2004 Nominated for best paper: Nonnecke, B., Preece, J., Andrews, D. (2004) What Lurkers and Posters Think of Each Other, Internet and the Digital Economy Track of the Thirty-Seventh Hawaii International Conference on System Sciences (HICSS-37)

2003 Erskine Fellowship to visit University of Canterbury, New Zealand.

2003 Travel Award to visit University of Waikato, New Zealand

1997 Service award from Special Interest Group of the ACM in Human-Computer Interaction (SIGCHI) for being Technical Program Chair of Chi'97

1993 Fellowship to visit University of Guelph, Canada.

### **Keynotes and distinguished lectures**

2017 Biodiversity Citizen Science: New Research Challenges for HCI. University of Melbourne.

Invited presentation. December 15.

2017 Keynote Open University, UK. Computer Assisted Learning Conference. Biodiversity Citizen Science New Research Challenges for HCI. June.

2017 Royal Holloway College, University of London. Will they come back? What makes virtual, place-based & hybrid communities successful?

2016 Citizen Science: Challenges for Computer Science. University of Victoria, British Columbia, Canada. College of Computing. Distinguished Lecture Series, November 22, 2016.

2016 Citizen Science: Challenges for Data Curation. University of British Columbia, School of Library and Information Science (SLAIS) Distinguished Lecture Series, November 9, 2016.

2016 HCI International, July, Toronto, Opening Keynote speaker. Citizen Science; New Challenges for HCI

2016, CAISE, Calgary, May Opening Keynote speaker. Citizen Science; New Challenges for Library and Information Sciences.

2015 February. Citizen Science: People, Information and Technology. University of North Carolina, Charlotte.

2014 September. Citizen Science: People, Information and Technology. University of British Columbia, Vancouver, BC. Canada.

2011 February 18 Technology Mediated Social Participation: Promoting Participation in the Encyclopedia of Life (EOL)

2011 Technology Mediated Social Participation, National Science Foundation

2010, October, Keynote: Opportunities and Challenges: Technology Mediated Social Participation. Portuguese National HCI Conference, Aveiro, Portugal.

2010, June, Keynote: I persuade, They persuade, It persuades! Conference on Persuasive Technologies, Copenhagen.

2010, May, National Institutes of Health, Keynote with Ben Shneiderman, Technology Mediated Social Participation.

2010, March, Online Communities and Technology Mediated Social Participation, University Cuidad Real, Spain (invited talk)

2008, October, Online Communication and Security. Organized by Rand Corporation.

2008, September, Distinguished lecture at Nokia hosted by Juha Arrasvuori. The future of mobile online communities.

2008, September, Distinguished lecture and workshop hosted by Sari Kujala and Tytti Virtanen.

Encouraging participation in online communities.

2008, September, Profcom <http://www.cs.tut.fi/ihte/projects/profcom/index.html>, Distinguished lecture, hosted by Sami Jantunen. Participation in online communities.

2007, May 21-27, Keynote Sociability and Usability in Online Social Spaces International Symposium on Collaborative Technologies and Systems (CTS 2007). Orlando, Florida, USA.

2007, February 18-21, Keynote Sociability and Usability in Online Social Spaces: Three helping one another will do as much as six working singly. Salamanca, Spain, IADIS, International Conference on Web-based Communities.

2006, November, Keynote Human-Centered Computing: Beyond HCI. ASIST HCI SIG Meeting, Austin, Texas

2006, October, Michigan, i-conference. Panel member for Panel on Community Informatics.

2006, October, Opening Keynote for APCHI Conference in Taiwan

2006, September, Keynote State Department Conference on Cross-cultural communication

2005 June, Sociability & Usability in Online Communities. Opening keynote for HCIL Open House

2005, September, Penn State, State College, Panel on i-School future directions.

2004, November, Woolongong, Australia, Opening Keynote for the national OZCHI Conference on Human Computer Interaction

2004, October, South African Institute for Computer Scientists and Information Technologists

2004, September, Faith Communicators' Forum, Washington DC.

2004, July, Milton Keynes, UK. Twenty-fifth Anniversary Conference of the Computer Assisted Research Group, Open Univeristy.

2004, June, Vienna, Austria, User Interfaces for All

2004, June, Lugano, Switzerland, ED-Media International Conference

2004, June, Lisbon, Portugal, European Media Training Conference

2004 June, Online Communities. Human-Computer Interaction Laboratory, University of Maryland, College Park. Opening Keynote.

2004, March, invited presentation at Microsoft's Research Conference on Social Computing. New Directions in Online Communities Research.

2003, September, Samuel Lazaro Memorial Lecture at Syracuse University, 'A multilevel analysis of an online patient support community'

2003, September, Cornell University Department of Communication Annual Invited Seminar Series, 'A multilevel analysis of an online health support community'

2003, July, Graz, Austria , I-KNOW'03 Communities of Practice Workshop

2003, July, Graz, Austria , I-KNOW'03 International Conference

2003, June, Crete, Closing Keynote for HCI International Conference

2003, May, Important development issues for online communities. ICT Workshop at the WWW Conference in Budapest.

2002, December, Opening keynote for the First AIS Workshop on Research in Human-Computer Interaction (Barcelona)

2002, Distinguished Lecture Series, Hopkins University, Online Communities: Usability, Privacy and Sociability.

2002, September, Opening keynote for MentorNet Conference (could not accept)

2001, October, Brazil National HCI Conference.

2002, June, Keynote, Technology in Education Conference, Columbia University, NYC

2001, June, Interact'2001 International HCI Conference. Tokyo, Japan. Opening Keynote.

2001, May, Keynote Panel, Technology in Education Forum, NYC

2001, May, Inaugural keynote for the DC and Virginia Usability Professionals Association

2000, December. Get Smart 2000: Community Informatics for Regional Transformation. Rockhampton, Australia. (Could not accept.)

2000, January, Taiwan 2000 Invited Keynote. (Could not accept)

1999, June, British Open University CAL conference 25<sup>th</sup> Anniversary Conference.

1999, April, National Jordanese HCI Conference in Amman. Invited Keynote. (Could not accept.)

1997, April, Dutch National HCI Conference.

1996, June, Swedish National HCI Conference

1989, Munich Multi-media Colloquium

#### **Other presentations from 1996 onwards**

2016, Citizen Science, New Challenges. PSE in Sociology, September, University of Maryland.

2015, Citizen Science: Information, Technology, and People. Presentation at Sungkyunkwan University, Seoul, South Korea, April 22, 2015.

2015 Wiggins, A., Crowston, C., Bowser, A., Vitos, M., Haklay, M., Germonprez, M., Hammock, J., He, Y., Sheppard, S. A., Law, E., Lynn, S., Preece, J., Oesterlund, C., Jennet, C. & Lagoze, C. (2015). Human-centered technologies for citizen science. Panel held at Citizen Science 2015. San Jose, CA, February 11-12, 2015.

2014, Does motivation in citizen science change with time and culture? Poster presented at the 17th ACM Conference on Computer-Supported Cooperative Work and Social Computing, February 17, 2014, Baltimore, MD.

2014, Citizen Science: Information, Technology, and People. iSchool Colloquium Series, University of British Columbia, September 24, 2014.

2014, August, Citizen Science and HCI. *Polytechnic of Namibia*.

2014, July, Motivation to participate in Citizen Science, *European Conference on Social Media, Brighton, UK*.

2014 April, Motivation to participate in Citizen Science, *iConference*, Berlin, Germany.

2013 April, Extreme Ethnography, *iConference*

2012, Motivating citizens to contribute biodiversity data to citizen science projects, June 13, University of Swansea.

2012, Changes in motivation in collaboration citizen science projects, March 20, 2012. Aspen Center for Environmental Studies.

2007, May 28, International Communications Conference, Panel Member on a panel about communication in networked communities

2007, May, Participating in a Cybershetl for DC Jewish Community

2005, September, Penn State, State College, Panel on i-School challenges.

2004, September 23, Presentation on impact of technology design on social interaction for the Center for Strategic and International Studies (CSIS), Washington, DC

2004, September 13, Workshop on Online Communities for Faith Communicators' Meeting in Washington, DC

2004, August, Americas Conference on Information Systems, paper 'Lurkers tell why'

2004, March, Hopkins University. Evaluating online health support communities.

2004, February, University of Maryland, Online Communities

2004, January, Computing Department, Georgetown University, 'Reasons why people don't contribute online'

2003, December, RAND Corps, 'Essential issues for developing successful communities of practice'

2003, November, PUC-Rio, Brazil, How can we help people online: A multilevel analysis of interpersonal dynamics in an online patient support community'.

2003, November, PUC-Rio, Brazil 'Why don't people contribute to online communities'.

2003, October, Microsoft Research, Redmont, 'Five reasons why people don't participate online and how we can improve online interaction for everyone'.

2003, October, University of Washington, 'Online Communities: Supporting sociability, designing usability.

2003, September, Annual 2003, September, Seminar at Cornell University, 'Why people don't participate'

2003, September, Invited presentation at Communities of Practice workshop at University of Milano.

2003 June, Crete, Day-long tutorial on online communities at the International Human-Computer Interaction Conference.

2003, Presenter at Webshop workshop for Ph.D. students doing Internet Research, UMCP.

2003 April, Panel presenter on distance education at Chi'2003

2003 April, Panel presenter on 'spam' at Chi'2003



2003 March, University of Canterbury, New Zealand. Two half-day lectures at the IT Masterclass (attended by 60 people)

2003 March, University of Canterbury, New Zealand, seminar 'Online Communities, Designing usability, supporting sociability'.

2003 March, University of Canterbury, New Zealand, seminar 'Participation and lurking online'

2003 March, University of Canterbury, New Zealand, Seminar for fourth year computer science students on research.

2003 March, University of Canterbury, New Zealand, Seminar for second year computer science students on usability.

2003 February, seminar, Waikato University, New Zealand, 'Participation and lurking online'

2003, January, seminar, Waikato University, New Zealand. 'Online Communities, Designing usability, supporting sociability'.

2002, December, invited panelist, ICIS workshop on Virtual Communities, 'Analysis, Design, Implementation and Evaluation of Virtual Communities and Virtual Support for Local Communities.'

2002 October, UMBC presentation to the Human Factors Conference visitors, 'Research in online communities'

2002, June, Invited presenter at the Webshop conference, University of Maryland, College Park.

2002, April, University of Maryland, Conference on Cyberculture, panelist on 'Publishing in the new medium'.

2002, April, invited discussion organizer and presenter on building community, CHI2002 Conference.

2002, April, Panel organizer and presenter on HCI education, CHI2002 Conference

2002, April, Invited seminar at University of Minnesota, Dept of Rhetoric, Online Communities

2002, April, Invited seminar at Cornell University on Online Communities

2001, November, LLC Colloquium, Online Communities

2001, October, Federal Highway Association, Developing online communities

2001, June 7, Webshop, College Park, Presentation to PhD students, Online Communities.

2001, April, CHI Workshop presentation. Online Communities: Empathy, participation and lurking

2001, May, Presentation to the GSA Knowledge Management group at GSA.

2001, May, Brief presentation on online communities to a GSA Internet explorations meeting

2001, May, Inaugural keynote for the DC and Virginia Usability Professionals Association

2001, April, CHI Workshop on Research on Online Communities, Closing Reviewer.

2001, June, NSF Workshop on the Internet and Society.

2000, December, Panel on Children and Technology, ACM CSCW Conference

2000, November, Panel on Universal Usability at ACM Conference on Universal Usability.

2000, November, Greater Boston SIGCHI Meeting, presentation: Online Communities: Designing usability, supporting sociability

2000, October, Stanford University, Seminar on Online Communities

2000, October, Berkeley University, Seminar on Online Communities

2000, October, BayCHI Meeting talk: Online Communities: Designing usability, supporting sociability.

2000, September, Invited Presentation for The Third International Conference on Virtual Communities. Online Communities: Designing usability, supporting sociability.

2000, September, NYU, Seminar on Online Communities

2000, June, Presentation at the Online Communities Workshop, University of Maryland College Park.

1999, October, Invited seminar on Online Communities for the Internet and its Impact on Society seminar series at University of Maryland College Park.

1999, June, Invited presentation on an Agenda for research in Online Communities at NSF and EU funded workshop in Toulouse.

1999 June, Keynote talk at the British Open University CAL Research Group 25<sup>th</sup> Birthday celebration.

1999, June, Presented and led workshop on Online Communities at University of Maryland College Park.

1999, May, Presented position paper on research in Online Communities at CHI'99 Workshop on Online Communities.

1999, May, invited presentation at University of Maryland WIT Conference.

1999, April, Invited panel member at the Doug Engelbart Turing Award Celebration, Drexel University.

1999, March, Invited presentation on Online Communities in Education, Weismann Institute, Israel.

1999, January, Presented paper at the Text and Discourse Analysis conference at Jackson Hole Wyoming.

1998, October, Called together panel and prepared a paper on Online Communities for the DC chapter of SIGCHI in Virginia.

1998, August, Online Communities in Education, Open University, Israel

1998, June, Open University of UK

1998, June, Computers and Virtual Environments Conference, Manchester, UK

1998, May, Drexel University, Information Systems Department, Philadelphia

1998, March, Open University of Israel

1998, January, Text and Discourse Conference, Jackson Hole

1996, May, University of Maryland Baltimore County.

1996 January, Text and Discourse Conference, Jackson Hole

#### **Summary of Presentations 1980-1995**

1995, 2 seminars and workshop at University of Guelph, Canada, seminar at University of Kaiserslautern, Germany, seminar and workshop at Virginia Commonwealth University, Discussant at HCI'95

1994, 2 seminars at University of New Brunswick, USA HCI Club meeting in Colorado  
1993, 2 seminars at University of Guelph, seminar at Virginia Tech.  
1992, 8 including talks in Perth and Aukland  
1991, 8 including talks at University of Western Australia, University of Guelph, University of Graz, Austria, Austrian Computer Society, Zurich and a BBC Radio 4 interview  
1990, 22 including invited key note address entitled 'Multimedia: promises and problems in human-computer interaction' at the symposium on 'New Media in Education and Training' in Munich, Germany  
1989, 4 including one to the Basser Computer Science Dept., University of Sydney, Australia, and IFIP Working Group 3.6 on Vocational Training, Helsinki  
1988, 9 including one to the Austrian and German Computer Society Conference, Scharding, Austria  
1987, 3 including one at the INTERACT'87 conference, Stuttgart and one in Darmstadt, Germany.  
1986, 3 seminars  
1985, 6 including two at the UNESCO Conference in Bangalore and one at the Open University of Thailand  
1984, 8 including one at Ottawa, University of Montreal and Cornell University  
1983, 6 including University of Montreal  
1982, 6 including two seminars in Australia and a conference presentation in Amsterdam  
1981, 5 including IFIP World Conference on Computer Education in Lausanne in July  
1980, 4 seminars including one at the University of Montreal

### **Workshops & Panels Organized and Chaired**

Jennifer Preece, *Citizen Science Panel* organizer and chair for *Creativity and Collaboration; Revisiting Cybernetic Serendipity*. National Sciences Sackler Colloquium, March 13-14, 2018. Washington DC.

Jennifer Preece, Invited panel organizer, chair and presenter at HCII in Vancouver entitled: How Two Billion Smartphone Users Can Save Species and More! July 2017

Edith Law, Andrea Wiggins, Greg Newman, Jenny Preece, Jonathan Brier, Alex Williams, Jennifer Shirk (2017) *The Science of Citizen Science: Theories, Methodologies and Platforms*. CSCW'2017 Portland. February 26 – March 1.

2016 HCI - Living Curriculum, One of many authors. AfriChi. Nairobi, Kenya.

2014 HCI Education, Elizabeth Churchill, Jennifer Preece, Anne Bowser, *CHI'2014, Toronto*

2013 HCI Education, Elizabeth Churchill, Anne Bowser, Jennifer Preece *CHI'2013, Paris*

2013 CHI Workshop *Designing Social Media for Change*, Noreen Kamal, University of British Columbia, Sidney Fels, University of British Columbia, Michael Fergusson, Ayogo Games

Inc., Jenny Preece, University of Maryland iSchool, Dan Cosley, Cornell University, Sean Munson, University of Washington

2012 CHI SIG HCI Education, Austin, Texas.

2011 CHI SIG on Technology Mediated Social Participation at CHI in Toronto

2010 Tools for Technology Mediated Social Participation, with Derek Hansen, Ben Shneiderman & Peter Pirolli. College Park, MD, May.

2010 Technology Mediated Social Participation, with Ben Shneiderman & Peter Pirolli. Ballston, VA, April.

2009 Technology Mediated Social Participation, with Ben Shneiderman & Peter Pirolli. San Francisco, December.

2001 Integrating Diverse Research and Development Approaches to the Construction of Social Cyberspaces with Shelly Farnham, Marc Smith, Amy Bruckman, Doug Schuler. Chi'2001 Conference workshop.

2000 Online Communities with Jean Gasen and Jonathan Lazar. Human-Computer Interaction Laboratory Open House. University of Maryland, College Park.

1999 Online Communities with Jean Gasen and Jonathan Lazar. Human-Computer Interaction Laboratory Open House. University of Maryland, College Park.

1993 April, Co-chair of IFIP and ACM SIGCHI International Workshop in Amsterdam on 'Advances in Teaching the HCI Design Process'.

1992 Nov, Organizer and chair of the BCS HSI Workshop 'The HCI needs of Industry'.

1991 HCI Education. with Jean Gasen CHI'1991, Seattle

1990 Aug, Organizer of INTERACT'90, 'HCI Curriculum Workshop' at the 3rd. European Conference on Human-Computer Interaction.

1989 Jan, Organized and co-chaired a workshop at the Open University on 'Integrating Evaluation into Design'.

1987 Nov, Organized and co-chaired a workshop at the Open University on 'Design Methodologies'.

1985 July, UNESCO Conference Bangalore, chaired and organized a workshop on 'Distance Learning'.

1985 July, UNESCO Conference Bangalore, chaired and organized a workshop on 'Computer Simulations in Science'

### **Recent Tutorials**

2014 CHI'2014 Invited Tutorial: Citizen Science and HCI, Jennifer Preece & Anne Bowser.

2003, June, Preece, J. & Abras, C. Day-long tutorial for HCI International in Crete, entitled "Online Communities"

### **Sabbaticals and Extended Visits**

2017 Visiting Professor, University of London, Royal Holloway College, England, UK. (Spring Semester)

2016 Visiting Faculty, SLAIS, University of British Columbia, Vancouver, BC, Canada. Fall semester

2003, Visitor Waikato University, New Zealand

2003, Erskine Fellowship Visitor, University of Canterbury, New Zealand

1995, Visiting Professor at University of Guelph to advise on Distance Learning and work with Professor Tom Carey.

1995, Advisor on Distance Learning at Virginia Commonwealth University, Richmond, Virginia, USA. 1993/4 University of Guelph, Canada. Visiting Professor for one and half semesters with Prof. Tom Carey.

1993-1994, Visiting Scholar at Virginia Commonwealth University, Richmond, Virginia with Dr. Jean Gasen.

1993-1994, Visiting Professor at University of Guelph, Ontario, Canada to work with Prof. Tom Carey.

1991, Visiting academic at the University of Guelph, Ontario, Canada to work with Prof. Tom Carey.

1990, Visiting academic at the University of Maryland, USA for one week to work on a paper on HCI and software metrics with Dr. Dieter Rombach.

1990, Visiting academic at the Technical University of Graz, Austria to give a seminar and to explore HCI issues pertinent to the design of a large multi-media system.

1990, Visiting academic at the University of Maryland for one week to continue work started with Dr. Dieter Rombach.

1983, Visiting academic at the University of Quebec at Montreal, Canada for two weeks to work with Prof. Claude Janvier.

1982, Visiting academic at the South Australian College of Advanced Education, Adelaide, Australia for one term to work with Dr. Bruce Keeps.

### **3. Teaching**

I have a broad range of teaching experience at different levels including: high school, undergraduate and graduate. I am also experience in developing curricula for face-to-face, technology enhanced and web-based distance education.

#### **Face to Face Teaching**

Classes that I have taught include: online communities (498, 698, 700, 800), communities of practice and online communities (700), seminar on communication (700), human-computer interaction, (303), user-interface design (403), interaction design (667) systems analysis and design (436, 636), research methods (graduate), technical writing and HCI (undergraduate), student projects (graduate), multimedia design (undergraduate & graduate). Independent studies student mentoring for programs in: Information Systems, Language Literacy and Culture, Nursing Informatics, Information Studies.

#### **Distance Education Curriculum Development and Teaching**

During the time that I was department chair at UMBC we created a new Online Masters Program in Information Systems. I developed a courses on: Interaction design (667), Capstone

project course (699).

At the Open University multi-media courses are developed by teams of academics and media specialists. I chaired several development teams, including the one that developed the first distance education course in human-computer interaction for professional students in 1990. I also authored and taught the following courses: project management (graduate), graduate project courses, human-computer interaction (graduate), fundamentals of computing (undergraduate), programming and programming languages (undergraduate), contemporary issues in education (undergraduate), educational computing (undergraduate and graduate), purpose and planning in the curriculum (undergraduate), science foundation course (undergraduate), awareness courses in educational computing (professional courses for teachers), Introduction to Biology (undergraduate).

### **Design of Multimedia Teaching Resources**

Contributed to updating Interaction Design website – [www.id-book.com](http://www.id-book.com) for 4<sup>th</sup> Edition of *Interaction Design: Beyond HCI* 2015.

Contributed to updating Interaction Design website – [www.id-book.com](http://www.id-book.com) for 3<sup>rd</sup> Edition of *Interaction Design: Beyond HCI* 2011.

Contributed to updating Interaction Design website – [www.id-book.com](http://www.id-book.com) for 2<sup>nd</sup> Edition of *Interaction Design: Beyond HCI* 2007.

Contributed to developing Interaction Design website – [www.id-book.com](http://www.id-book.com) (worked with co-authors Yvonne Rogers and Helen Sharp, and consultants from SWIM Ltd and University of Sussex). This website supports: Preece, J., Rogers, Y. & Sharp, H. (2002) *Interaction Design: Beyond Human-Computer Interaction*. New York, NY: John Wiley & Sons.

Online Communities website – <http://www.ifsm.umbc.edu/onlinecommunities> (worked with a consultant). This website supports: Preece, J. (2000) *Online Communities: Designing Usability, Supporting Sociability*. Chichester, UK: John Wiley & Sons.

Quality Software – a 35 minute video for the Open University, *Micros in Schools: Educational Software* course.

Using a Micro-computer in Sixth form Ecology – a video case study for the Open University *Micros in Schools: Micros in Action in the Classroom* course.

Industrial Applications of HCI - video bands on Design, Evaluation and Input and Output for the Open University Master's Course on HCI.

DIY Software – a C60 audio-cassette for Open University *Micros in Schools: Educational Software* course.

Teaching notes for the CAL materials used at the Open University Genetics Summer School

SERVICE – a queue simulation program for Open University *Micros in Schools: Awareness* course.

### **Research Student Mentoring**

#### *Ph.D. Mentoring*

Elizabeth Muthoni Warrick (iSchool, University of Maryland, iSchool, current, 2016, successfully defended her doctoral research proposal, 2017)

Alina Goldman (iSchool, University of Maryland, iSchool, current, 2016, successfully defended her doctoral research proposal, 2017)

Marina Cascaes (iSchool, University of Maryland, iSchool, current, 2016, will defend her dissertation proposal in May 2018)

Yurong He (iSchool, University of Maryland, iSchool, graduated 2016)

Anne Bowser (iSchool, University of Maryland, iSchool, graduated 2015)

Dana Rotman (iSchool, University of Maryland, iSchool, graduated 2013)

Rachel Bradley (iSchool, University of Maryland, iSchool, graduated 2010)

Philip (Fei) Wu (iSchool, University of Maryland, iSchool, graduated 2009)

Alfreda Dudley-Sponaugle (Language, Literature & Culture, UMBC, until 2004)

Datta Kaur Khalsa (Language, Literature & Culture, UMBC, graduated 2005)

Michael Carlin (Information Systems, UMBC with Ant Ozok, until 2005)

Wayne Lemmon (Information Systems, UMBC with Steven Holden, until 2004)

Enrique Stanziola (Information Systems, UMBC with Anita Komlodi, until 2004)

Weimin Hou (Information Systems, UMBC with Anita Komlodi until 2006, graduated 2007)

Chadia Abras (Language, Literature & Culture, UMBC, graduated 2003)

Diane Maloney-Krichmar (Language, Literature & Culture, UMBC, graduated 2002)

Blair Nonnecke (South Bank University but based at UMBC, graduated 2000)

Diane McKerlie (South Bank University with Fintan Culwin, graduated 1999)

Richard Jacques (South Bank University, graduated 1996)

David Benyon (Open University with Darrel Ince, graduated 1993)

Jonathan Crellin (Open University, graduated 1991)

*Doctoral Committee member*

Chi Young Oh (University of Maryland, iSchool, 2016 to present)

Wenjing Xie (University of Maryland, College of Journalism, graduated 2009)

Christina Pikas (University of Maryland, iSchool, graduated 2016)

Jerry Fails (University of Maryland, Dept. of Computer Science, graduated 2009)

Stephen Johnson (University of Maryland, Smith School of Business School, graduated 2008)

Sheri Massey, (University of Maryland iSchool, Comps Committee)

Sherae (University of Maryland, Smith School of Business School, graduated 2007)

Kara Reuter (University of Maryland iSchool, Comps Committee)

Katy Lawley (University of Maryland iSchool, Comps Committee)

Jessie Meng Ma (University of Maryland, Smith School of Business, graduated 2005)

Gary Giesler (University of North Carolina, graduated 2002)

Ben Khoo (UMBC, IS, graduated 2002)

Dana Smith (UMBC, IS, 1999-2000)

Karen Carpenter (UMBC, LLC, graduated 2002)  
Jason Ellis (Georgia Tech, graduated 2002)  
Shannon White (UMBC, Psychology, graduated 2002)  
Charles Kisner (UMCP, American Studies, graduated 2001)  
Dorine Andrews (University of Baltimore, Communication Studies, graduated 2000)  
Jonathan Lazar (UMBC, IS, graduated 1999)  
Mitzi Pitts (UMBC, IS, graduated 1999)

*Ph.D. Examiner for students from outside of the USA*

Elizabeth Muller (University of Technology, Sydney, Australia, examined 2009)  
Tom Carey's student (University of Waterloo, Canada, examined 2007)  
Karen Klear (Open University, UK, examined 2007)  
Caterina Poggi (University of Milan, examined 2005)  
Laura Ripamonti (University of Milan, examined 2003)  
Gad Jones (University of Haifa, Israel, examined 2001)  
Patrick Hall's student (Brunel University, UK, examined 1996)  
David Ambaye (Brunel University, UK, examined 1995)  
Peter Innocent's student (De Montford University, UK, examined 1995)  
Andrew Lee (South Bank University, UK, examined 1995)  
Ph.D. project by Clarissa de Barabosa's student at PUC-Rio de Janeiro, Brazil on online health support communities (November 2003-April 2004)

*Masters Student Examining*

Frances Jennings (MSc., Open University, UK, examined 1991)  
Distance education Masters students at the Open University (1990-1993)

#### **4. Administration and Service**

I have been an active member of university, faculty and department committees at four universities as well as contributing to national and international conferences and research review boards.

#### **2005-2015 Dean College of Information Studies – Maryland's iSchool, University of Maryland**

During the time that I was dean our faculty and staff more than doubled in size. We established an active mentoring program for faculty, reviews for staff, appointed our first development officer in-house, and worked on alumni relations, including a very successful "50 years of the iSchool" event. The College of Information Studies became known as an Information School (iSchool) and we contributed along with a small number of peers to develop the iSchool movement with its own iConference.



Our students' and faculty members' many accomplishments are particularly impressive, marked in May 2016 by the largest graduating class of graduate students ever – around 160 masters and doctoral students. Our two largest academic programs – the MLS and MIM - continued to thrive with over 200 students in each; the HCIM worked on recruiting strongly after some problems early in its existence, By 2015 enrollment in the doctoral program was at an all-time high at around 60 students, and we were poised to launch a new undergraduate program in Information Science after successfully gaining approval for the program..

Research productivity within the iSchool was very impressive: we became one of the only a few college on campus (perhaps the only one) in which *all* tenured and tenure-track faculty members had had outside funding to support their research. An increasing number of doctoral and masters students were involved in research that they coauthored with faculty. Three new Research Centers were created (CASCI, CLIP, iPAC) that, along with HCIL, CLIP and others provided stimulating opportunities for interdisciplinary research and collaboration. In 2014/5 we launched a new Center for Digital Curation and Innovation (CDCI).

In addition to my duties as dean within the iSchool I have served on the following committees:

University Research Ethics Committee (2018)

University Strategic Planning Committee, subcommittee on Mission and Values (2015).

APAC (member, 2012-2015)

University of Maryland Commission on Blended Learning and MOOCs (2012)

ADVANCE Program Senior faculty mentor (2012)

Sub-Committee on entrepreneurial relationships with University of Baltimore (Member, 2011)

University General Education Committee (Member 2011)

Provost's Committee on Shady Grove (Member, 2011)

Provost's Advisory Committee (Member, 2011)

Provost's Committee on Blended Learning (Chair, 2010-2011)

Facilities Committee 2009 - 2010

Search committee for the Provost (member, 2007)

Search committee for IGCA Director (chair, 2007)

Joint University of Maryland and NARA committee (member, 2004 to present)

Search committee for Dean of the Merrill School of Journalism (chair, 2008)

Subcommittee on graduate education for University of Maryland Strategic Plan (member, 2008)

Advisory committee for University of Maryland Graduate School on graduate education strategic plan (member, 2008)

Advisory committee for development and the millennium generation (member, 2008)

IT Council (member, 2007 – 2009)

Advisory committee for Mobility Project (member, 2008 – 2009)

### **1997- 2003 Chair of Information Systems Department at University of Maryland Baltimore**

## **County (UMBC)**

During the six years that I was chair of the Information Systems Department at UMBC the department increased from six tenured and tenure-track faculty to twenty, from two lecturers to nine, and from three staff and associate staff to five. We also had twenty-four part-time instructors.

One of my aims as department chair was to increase research productivity, which we began by making good hires at the junior level and also by creating the first named chair of Information Systems at UMBC. This enabled us to attract a talented senior person and shortly afterwards we appointed a second senior faculty member. With the help of these new hires we started to increase our sponsored research to around \$1.5 - \$2 million dollars per annum and created a foundation on which to build more sponsored research. We also dramatically increased the number of journal and conference papers written each year. A new research center and research groups were created and we revised the Ph.D. program.

Other developments included restructuring the undergraduate and masters programs to make them more coherent and improve our academic standards. We created a new Masters program that is delivered through distance education and mounted an off-campus undergraduate program at Shady Grove Campus in Montgomery County.

By fall 2001 there were approximately 1500 undergraduate majors, 160 Masters students in the face-to-face program, 100 Masters students in the online program and 30 Ph.D. students. Typically we graduated 1-3 Ph.D. students each year.

Other service at University of Maryland Baltimore County included: Interactive Systems Research Center (2002 Member), University Gender and Equity Committee (2000-2001, member), Search Committee for the Provost (1998 Member), Presidents' and Provost's Advisory Committee (1998-2004 member), Information Technology Steering Committee (1997-1998, member) Information Systems Department Search Committee (1997-2001, chair), Information Systems Department Online Masters Development Team (1997-2000, member), Information Systems Department Promotion and Tenure Committee (1997- 2004)

## **1994-1996 Service at South Bank University**

Founder and Director of the *Center for People and Systems Interaction Research Group* (12 full time members and 18 affiliates), Computing Department Management Team, College Research Committee, University Higher Degrees Committee

## **1980-1993 Service at the Open University**

Founding member of the Computer Assisted Learning Research Group, Co-chair of the Micros in Schools Educational Software development team, Chair of the British and Dutch Open University Human-Computer Interaction collaborative course development team (team comprised ten academic faculty members, plus a publishing editor, and a BBC media production team.) This was the first time the Open University collaborated with an overseas university. The development budget for this course was over 500,000 GBP). The course was regularly offered to 500-1000 students per year. Chaired the joint HCI and Software Engineering Research Group, Started and chaired the HCI Research Group. I was the Faculty representative on the Institute of Educational Technology Faculty Board for the Maths and Computing Department, Member of

the Maths and Computing Faculty Resources Management Group, Mentor and appraiser for junior faculty, Member of the Faculty Promotions Committee.

### **External Course Validation and Examining at Other Universities**

#### *External Program Reviewer*

Rochester Institute of Technology. Masters Program in Human-Computer Interaction (2007)

New Jersey Institute of Technology and Rutgers University – Newark Campus Joint program review, 2000. B.S. in Human –Computer Interaction.

#### *Program validation*

In Britain senior academics validate new courses for other universities and externally examine existing courses. Terms of appointment are usually for three years. Examiners review Faculty's curricula, grading and the standards of the students' work in order to ensure that comparable standards are adhered to across different institutions. Each validation or external examination normally takes 2-3 days.

Loughborough University, UK, Human Sciences Masters Program

Kingston University, UK, Masters Program

Sussex University, UK, Masters Program

De Montford University, UK, Masters Program

London Guild Hall University, UK, Masters Program

#### *External program examiner*

Loughborough University, UK, Masters in HCI

Loughborough University, UK, Masters in Ergonomic,

London Guild Hall University, UK, B.Sc. in Computing

London Guild Hall University, UK, Masters in Human-Computer Interaction Service

### **National and International Professional Committees**

2014-2016 Advisory Board for Cornell Lab of Ornithology Project "YardMap"

2015 Advisory Board for CSST 2015 Summer Research Institute Advisory Board

2012-2014 Member CRA Committee on Best Practices in Scholarship, Hiring and Promotion (Chaired by Fred Schneider, Cornell University and Batya Friedman, U. Washington)

2012 Chair of Advisory Committee for NSF Search

2010 – 2015 Adjunct Chair for Education, SIGCHI Executive Committee

2009 Chair, Committee of Visitors, NSF CISE Review

2008-2009 Technical Program member, International Conference Communities and Technologies 2009, Penn State University, USA June 25-29, 2009.

2006-2007 Technical Program member, International Conference Communities and Technologies 2007, in Michigan, USA June 27-30, 2007.

2005-2006 Technical program co-chair with Jim Foley for Education Community for SIGCHI Conference 2006. Montreal.

2005 – present Member of the iSchool Dean’s Caucus.

2004-2005 Technical program board co-chair with Peter van den Besselaar for the International Conference on Communities and Technologies 2005, in Milano in June 13-16, 2005.

2004 UN Community Design Initiative panel member

2003-2005 Program board chair for the ‘1st International Conference on Online Communities and Social Computing’, Las Vegas, July 22-27, 2005

2003 Member of the Program Board for the 2004 I-Know Knowledge Management Conference

2003 Co-chair for a track at HICSS 2003 Conference

1997 Technical Program Co-Chair for CHI’97 in Atlanta. Attendance of around 2000 delegates.

1996-1998 National Education Chair for ACM SIGCHI (HCI Education)

1994-1997 Research advisor for Center for Interactive Systems, University of Ulster at Magee, Ireland.

1993-present Advisory committee member for the Human-Computer Interaction Laboratory at University of Maryland, which meets annually after the group holds its annual Open House event in June.

1992-1999 Deputy Chair International IFIP WG 13.1 Committee for HCI Education and Training

1991-1994 Executive Committee British Computer Society Special Interest Group on HCI

1991-1992 Member of the IFIP WG 3.2 on Computer Education

1990-1994 Chair of the British Computer Society HCI Working Group on Education and Training

1989-1990 Member of the Technical Committee for International INTERACT’90 HCI Conference

1989-1994 Member of the British Computer Society Human-Systems Interaction Technical Committee

1989-1991 Advisory and Editorial Panel for the UK Department of Trade and Industry Enterprise Initiative in HCI

1984-1985 Member of the planning committee for the Third World Science Teaching Conference organized by the International Congress of Scientific Unions and sponsored by UNESCO

1981-1986 Member of the UK National Working Group for Computer Based Education

### **Membership of Professional Organizations**

British Computer Society's Special Interest Group in Human-Computer Interaction (until 1996), chair for HCI Education subcommittee.

ACM Special Interest Group on Computer-Human Interaction (SIGCHI)

ASIST Special Interest Group in Computer Human Interaction

Partners in Conservation in the World Wildlife Fund, Defenders of Wildlife, Maryland Audobon Society, National Audobon Society, Sierra Club and more.

Citizen Science Association