

David G. Hendry

Assistant Professor
University of Washington
Information School
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<http://faculty.washington.edu/dhendry>

Research Interests

Human-Computer Interaction ~ Design Informatics ~ End-User Programming ~
Interfaces for Information Seeking.

Education

- The Robert Gordon University**, Aberdeen, Scotland
1996 Ph.D. Computer Science
Thesis: *Extensible Information-Seeking Environments*.
Supervisor: David J. Harper. Examiner: Stephen Robertson.
- University of Guelph**, Ontario, Canada
1989 M.Sc. Computing and Information Science, Human-Computer Interaction
(Awarded with distinction)
Thesis: *The Relationship between Navigation and Comprehension in a Hypertext Environment*
Supervisor: Tom Carey
- 1986 B.A., Major, Computing and Information Science; Minor, Psychology

Professional Employment (since 1990)

- University of Washington**, Information School, Seattle, WA
Assistant Professor (09/2002 – present)
- 2002 **Terra Lycos**, Waltham, MA
Manager User Interface Research, Lycos (04/2000 – 06/2002)
Research Scientist, Usability Specialist (12/1998 – 04/2000)
- 1998 **WiseWire**, Pittsburgh, PA (WiseWire Acquired by Lycos, 04/98)
Research Scientist (01/1997 – 11/1998)
- 1996 **Robert Gordon University, School of Computing and Mathematical Sciences**
Aberdeen, Scotland, UK
Research Fellow (03/1996 – 12/1996)
Research Assistant (03/1994 – 03/1996)
Working with David J. Harper

- 1994 **Medical Research Council, Applied Psychology Unit**, Cambridge, UK
Research Assistant (05/1992 – 02/1994)
Working with Thomas Green
- 1992 **Canadian Center for Occupational Health and Safety, CD-ROM Publications**,
Sept 91 - Apr 92, Multimedia Developer
- 1991 Bicycling and walking in New Zealand and Fiji (01/1991 – 08/1991)
- 1990 **IBM Canada Laboratory, Toronto Information Development**, North York, Ontario
Usability Engineer (10/1989 – 12/1990)

Peer-Reviewed Journal Articles

- Hendry, D. G. (in press). Public Participation in Proprietary Software Development through User Roles and Discourse. To appear in *International Journal of Human-Computer Studies* (Special issue on collaborative and social aspects of software development).
- Hendry, D. G. (2007a). History Places: A Case Study for Relational Database and Information Retrieval System Design. *ACM Journal on Educational Resources in Computing*, 7(1), Article 3, 20 pages.
<http://portal.acm.org/citation.cfm?id=1227846.1227849>
- Hendry, D. G. (2006a). Workspaces for search. *Journal of American Society for Information Science and Technology*, 57(6), 800-802.
<http://dx.doi.org/10.1002/asi.20296>
- Hendry, D. G., J. R. Jenkins & J. F. McCarthy (2006). Collaborative bibliography. *Information Processing & Management*, 42(3), 805-825.
<http://dx.doi.org/10.1016/j.ipm.2005.05.007>
- Hendry, D. G. & D. J. Harper (1997). An informal information-seeking environment. *Journal of American Society of Information Science* (Special issue on human-computer interaction), 48(11), 1036-1048.
<http://dx.doi.org/10.1002/%28SICI%291097-4571%28199711%2948:11%3C1036::AID-ASI%3E3.3.CO;2-E>
[Citations – Web of Science: 11; ACM Portal: 12; Google Scholar: 35]
- Hendry, D. G. (1995a). Breakdowns in writing intentions when deploying SGML-marked texts in printed and electronic form simultaneously, *Behaviour and Information Technology*, 14(2), 80-92.
http://faculty.washington.edu/dhendry/docs/1995_breakdownsSGML.pdf
[Citations – Web of Science: 1; Google Scholar: 3]
- Hendry, D. G. & T. R. G. Green (1994). Creating, comprehending, and explaining spreadsheets: A cognitive interpretation of what discretionary users think of the spreadsheet model. *International Journal of Human-Computer Studies*, 40(6), 1033-1065.
<http://dx.doi.org/10.1006/ijhc.1994.1047>
[Citations – Web of Science: 23; ACM Portal: 7; Google Scholar: 48]
- Hendry, D. G. & T. R. G. Green (1993). CogMap: A visual description language for spreadsheets. *Journal of Visual Languages and Computing*, 4(1), 35-54.
<http://dx.doi.org/10.1006/jvlc.1993.1003>
[Citations – Web of Science: 7; Google Scholar: 10]

Peer-Reviewed Conference Papers

- Hendry, D. G. (2006b). Sketching with conceptual metaphors to explain computational processes. In *Proceedings of IEEE Symposium on Visual Languages/Human-Centric Computing 2006*, September 4-7, 2006, Brighton, UK (pp. 95-102). IEEE Computer Society Press. http://faculty.washington.edu/dhendry/docs/sketching_brighton.pdf
[Acceptance rate: 21%; Nominated as best paper – 1 of 4 nominations]
- Hendry, D. G. & A. Carlyle (2006). Hotlist or Bibliography? A Case of Genre on the Web. In *Proceedings of the 39th Annual Hawaii International Conference on System Sciences* (CD/Rom), Track 3: Digital Media: Genres of Digital Documents, January 4-7, 2006, Computer Society Press, 2006. Ten Pages. <http://csdl2.computer.org/persagen/DLPublication.jsp?pubtype=p&acronym=hicss>
- Hendry, D. G. (2004). Communication functions and the adaptation of design representations in interdisciplinary teams. *Proceedings of ACM Conference on Designing Interactive Systems, DIS'04* (pp. 123-132). New York: ACM Press. <http://portal.acm.org/citation.cfm?doid=1013115.1013133>
[Acceptance rate: 19%; Citations – Google Scholar: 2]
- Hendry, D. G. & D. J. Harper (1996). An architecture for implementing extensible information-seeking environments. In H.-P. Frei, D. Harman, P. Schauble & R. Wilkinson (Eds.), *Proceedings of the 19th Annual International ACM SIGIR Conference on Research and Development in IR* (pp. 94-100). New York: ACM Press. <http://doi.acm.org/10.1145/243199.243236>
[Citations: ACM Portal: 4; Google Scholar: 17]
- Hendry, D. G. & D. J. Harper (1995). Coordinating information-seeking on interactive displays. In M. Collier and K. Arnold (Eds.) *Proceedings of 2nd International Conference on Electronic Library and Visual Information Research* (pp. 127-136). London: Aslib. http://faculty.washington.edu/dhendry/docs/1995_ELVIRA.pdf
[Citations: Google Scholar: 7]
- Hendry, D. G. (1995b). Display-based problems in spreadsheets: A critical incident and a design remedy. In Volker Harslev (Ed.), *Proceedings of 11th International IEEE Symposium on Visual Languages VL'95* (pp. 284-290). Los Alamitos, CA: IEEE Computer Society Press. <http://doi.ieeecomputersociety.org/10.1109/VL.1995.520820>
[Awarded best paper of conference; Citations – Google Scholar: 5]
- Hendry, D. G., B. Nonnecke, T. Carey, J. Mitterer, R. Sobiesiak & D. Lungu (1991). How people use softcopy documentation: A case study. In *International Professional Communication Conference: Proceedings* (Vol. 2, pp. 221-224). Orlando, Florida: Institute of Electrical and Electronic Engineers, Inc.
[Available through the ACM Digital Library]
http://faculty.washington.edu/dhendry/docs/1991_bkmngr.pdf
- Hendry, D. G., T. T. Carey & S. T. TeWinkel (1990). A study of measures for research in hypertext navigation. In D. Diaper, D. Gilmore, G. Cockton, B. Shackel (Eds.), *INTERACT '90: Proceedings of the IFIP TC 13 Third International Conference on Human-Computer Interaction* (pp. 101-106). Cambridge, United Kingdom: North-Holland. http://faculty.washington.edu/dhendry/docs/1990_HypertextNavigation.pdf
[Citations – Web of Science: 5; Google Scholar: 3]

Peer-Reviewed Short Papers, Posters, Presentations

- Hendry, D. G., K. E. Fisher & J. E. Mai (2006). Building Bridges between Information Behavior Research and Information Architecture. *The American Society for Information Science & Technology, 7th Annual Information Architecture Summit*. March 23–27, Vancouver, BC. http://faculty.washington.edu/dhendry/docs/IA06_Paper.pdf
[Approximately 1,500 word abstract, leading to presentation]
- Efthimiadis, E. N. & D. G. Hendry (2005). Search engines and how students think they work. In *Proceedings of the 28th Annual international ACM SIGIR Conference on Research and Development in Information Retrieval* (Salvador, Brazil, August 15 - 19, 2005). SIGIR '05. ACM Press, New York, NY, 595-596. <http://doi.acm.org/10.1145/1076034.1076145>
[Poster presentation; Acceptance rate: 40%; Two pages]
- Hendry, D. G., S. Mackenzie, A. Kurth, F. Spielberg & J. Larkin (2005). Evaluating paper prototypes on the street. In *Extended Abstracts of CHI 2005* (pp. 1447-1450). New York, NY: ACM Press. Available at ACM Digital Library, <http://doi.acm.org/10.1145/1056808.1056938>
[Poster presentation; Acceptance rate: 36%; Four pages]
- Hendry, D.G. & E. N Efthimiadis (2004). Students' mental models of information retrieval systems. In: *Proceedings of the American Society for Information Science and Technology, ASIST'04*, Providence, Rhode Island, November 13-18, 2004. Volume 41, Issue 1, pages 580-581. <http://dx.doi.org/10.1002/meet.1450410186>
[Abstract only]
- Jose, J., D. J. Harper & D. G. Hendry (1996). A spatial based photograph retrieval system. In H-P Frei, D. Harman, P. Schauble & R. Wilkinson (Eds.), *Proceedings of the 19th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, (pp. 341). New York, ACM Press. [Poster of Epic picture retrieval system-implemented in part with Fireworks.]
- Hendry, D. G. & T. R. G Green (1993). Spelling correctors: How well do they correct? Short paper presented at *Conference of Human Factors in Computing Systems* (INTERCHI'93) (pp. 83-84). Amsterdam, Netherlands. <http://doi.acm.org/10.1145/259964.260112>
[Short talk; Two pages]
- Hendry, D.G. & Carey, T.T. (1990). The relationship between navigation and comprehension. Interactive Poster presented at *Conference of Human Factors in Computing Systems* (CHI'90), Seattle, Washington.

Book Chapters

- Hendry, D. G. & E. N. Efthimiadis (in press). Conceptual models for search engines. In: A. Spink & M. Zimmer (Eds.), *Web Search: Interdisciplinary Perspectives*. Dordrecht: Springer.

Workshop Papers, Invited Panels and Talks, Demos, Etc.

- Efthimiadis, E. E & D. G. Hendry (2007). The use of sketches as a tool for identifying gaps in students' conceptual models of "how search engines work." *UW Teaching and Learning Symposium*, HUB West Ballroom, Tuesday, April 24, 2007.
[Poster presentation]
- Hendry, D. G. (2007b). Design Informatics – Information Needs in Design. *CHI'07 Workshop, Converging on a "Science of Design" through the Synthesis of Design Methodologies*.
<http://swiki.cs.colorado.edu:3232/CHI07Design/uploads/5/hendry.pdf>
[Peer reviewed position paper]
- Hendry, D. G. (2005). Lost in translation: Towards mutual understanding. Panel presentation at *The American Society for Information Science & Technology Conference Annual Meeting: Sparking Synergies: Bringing Research and Practice Together ASIST'2005*, October 28 - November 2, 2005, Charlotte, North Carolina.
<http://faculty.washington.edu/dhendry/docs/asist2005.pdf>
[Invited - Organized by Tom Burton-West & Ruth Vondracek; Participants: Sandy Hirsh; Gary Marchionini; David G. Hendry]
- Hendry, D. G. (2003). Workspaces for Search. *CHI'03 Workshop, Best Practices and Future Visions for Search UI*.
http://home.earthlink.net/~searchworkshop/docs/dhendry_search.pdf
[Peer reviewed position paper]
- McCarthy, J. F., J. R. Jenkins & D. G. Hendry (2003). The Ubiquitous Computing Resource Page (ucrp.org). In *Proceedings of UBICOMP 2003, the Fifth Annual Conference on Ubiquitous Computing*, Seattle WA.
http://www.ubicomp.org/ubicomp2003/adjunct_proceedings/proceedings.pdf
[Peer Reviewed; Two page description of demonstration UBICOMP 2003]
- Hendry, D. G. (2001). User Research Methodology: Collaboration. *American Center for Design, Rewind: User Research Help Redesign Products, Services, and Sites*. May 4, 2001. Chicago [Invited].
- Hendry, D. G. (2000). How people read on the web? *Documentation and Training 2000*, April 10-11, 2000, Boston University Corporate Education Center [Invited].
- Hendry, D. G. (1996). *Extensible Information-Seeking Environments*. Unpublished Ph. D. Dissertation, The Robert Gordon University, Aberdeen, Scotland.
- Furner, J., D. J. Harper & D. G. Hendry (1996). Coordinated support for browsing, searching, and monitoring: A user interface for networked information retrieval. In C. Johnson & M. Dunlop (Eds.) *Information Retrieval and Human Computer Interaction* (pp. 67-70). Workshop held at Glasgow Interactive Systems Group, Department of Computer Science, Glasgow University, Glasgow G12 8QQ, 17th September 1996. [Available as GIST Technical Report G96-2].
- Harper, D. J., D. G. Hendry, J. J. Ijdens & J. Jose (1996). IR application development with FireWorks. In H-P. Frei, D. Harman, P. Schauble & R. Wilkinson (Eds.), *Proceedings of the 19th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 338). ACM Press, New York. [Peer Reviewed; Demonstration of application development with Fireworks, a user-interface architecture.]
- Hendry, D. G. & D. J. Harper (1996). Describing information retrieval interfaces with the Cognitive Dimensions Framework. *MIRA Workshop* [Evaluation Frameworks for

- Interactive Multimedia Information Retrieval Applications, ESPRIT working group, 20039], May, Glasgow, Scotland [[Invited](#)].
- Hendry, D. G. (1995). Injecting informality into user interfaces for information seeking. Invited speaker at the MIRO workshop [Multimedia Information Retrieval, ESPRIT Basic Research Action, No. 6576], September, Glasgow, Scotland [[Invited](#)].
- Harper, D. J. & D. G. Hendry (1995). ECLAIR. In Edward A. Fox and Peter Ingwersen and Raya Fidel (Eds.), *Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 361). New York: ACM Press. [[Peer Reviewed](#); Demonstration of best-match search engine built with the Eclair C++ class library].
- Hendry, D. G., T. R. G. Green, D. Gilmore & S. Davis (1992). Improving the communicability of spreadsheet designs: Annotating with descriptive tags. *5th Workshop of the Psychology of Programming Interest Group (PPIG5)* (pp. 91-93). Paris.
- Hendry, D., B. Nonnecke, T. Carey, J. Mitterer, R. Sobiesiak & D. Lungu (1991). How people use softcopy documentation: A case study. In A. Gawman, J. Pachl, J. Slonim, and A. Stillman (Eds.), *Proceedings of the 1991 CAS Conference* (pp. 77-93). Toronto, Ontario, Canada: Centre for Advanced Studies, IBM Canada Ltd. Laboratory.
- Hendry, D.G., B. Nonnecke, D. Lungu, T. Carey, J. Mitterer & R. Sobiesiak (1990). *Writing with the BookManager program in mind: Examples, summary of use and writing advice* (IBM Technical Report TR 74.063). Toronto, Ont: Toronto Information Development, IBM.
- Hendry, D. G. (1989). *The Relationship Between Navigation and Comprehension in a Hypertext Environment*. Unpublished Masters Thesis, University of Guelph, Canada.

Reviewing & Conference Work

Conference Organizing

- ACM Conference on Information Retrieval (SIGIR), Co-chair, Posters and Demonstrations, '06

Grant Reviewing

- NSF Panel, Human-Centered Computing, '07

Conference Reviewing

- ACM Conference on Information Retrieval (SIGIR), Posters, Papers, and Demonstrations, '04, '05
- Conference of American Society for Information Science and Technology '04, '05, '06
- CoLIS, Fifth International Conference on Conceptualizations of Library and Information Science – Context: nature, impact, role, '05

Journal Reviewing

- ACM Transactions on Office Information Systems
- ACM Transactions on Human-Computer Interaction
- International Journal of Human-Computer Studies
- Interacting with Computers

Honors, Recognitions & Gifts

- 2006 Nominated for best paper (1 of 4 nominations)
Hendry, D. G. (2006b). Sketching with conceptual metaphors to explain computational processes. In *Proceedings of IEEE Symposium on Visual Languages/Human-Centric Computing 2006*, September 4-7, 2006, Brighton, UK (pp. 95-102). IEEE Computer Society Press.
- 2006 Editor's Choice at the Human-Centered Computing Education Digital Library
Hendry, D. G. & B. Friedman (2006). *Decomposing swapping in Microsoft Word*. Class activity from syllabus selected as "editor's choice" at the *Human-Centered-Computing Education Digital Library*, <http://hcc.cc.gatech.edu/>. Shown in front page (April 07, 2006 – June 13, 2007).
- 2003 Unrestricted gift from the Intel Corporation, \$36,000
- 1995 Awarded best paper of the conference
Hendry, D. G. (1995). Display-based problems in spreadsheets: A critical incident and a design remedy. In Volker Harslev (Ed.), *Proceedings of 11th International IEEE Symposium on Visual Languages VL'95* (pp. 284-290). Los Alamitos, CA: IEEE Computer Society Press.
- 1995 To attend SIGIR'95, Seattle, Carnegie Trust Travel Grant, The Robert Gordon University, £ 250.00; CEPIS European Information Retrieval Specialist Group, £ 375.00 (08/1995).
- 1994 To attend SIGIR'94, Dublin, Carnegie Trust Travel Grant, The Robert Gordon University, £ 250.00 (07/1994).
- 1990 Natural Sciences and Engineering Research Council of Canada Scholarship, \$34,000.00
Declined because of opportunity to work for Thomas Green at MRC Applied Psychology Unit, Cambridge (05/1990).
- 1989 University of Guelph Graduate Scholarship; value: \$ 800.00 (01/1989).

Teaching Experience (since 2002)

Bachelor of Science in Informatics

1. Database Management and Information Retrieval (7 times)
2. Advanced Database Design
3. Information System Design, Required (2 times)
4. Information Visualization & Aesthetics (2 times)

Masters of Science in Information Management, Executive

5. Information Systems, Architectures and Retrieval (co-taught with Prof. Efthimiadis) (3 times)
6. Design Methods for Interaction and Systems

Masters of Library and Information Science

7. User Interface Design and Evaluation (co-taught with Prof. Ivory-Ndiaye)
8. Database Applications Development

Ph.D. in Information Science

9. Theories and Practice of Design for Information Systems (co-taught with Prof. Friedman)
10. User-Centered System Information Design

Syllabi and teaching examples available at <http://faculty.washington.edu/dhendry>

Student Advising in Research

Currently advise 2 Ph.D. students (Ammy Jiranida Phuwanartnurak, 4th year; and Gifford Cheung, 3rd year)

Currently participate on 6 Ph.D. advisory committees (Melanie Feinberg, Shaun Kane, Adrienne Massanari, Lisa Nathan, Suzi Soroczak and Meliha Yetisgen Yildi)

Advised 6 students in Masters projects (Brain Greene, Michael Doane, Loren Donelson, Chong Ki Tsang, Aaron Louie, Sarah Bosarge).

Advised approximately 20 undergraduate projects (independent studies, capstones, and undergraduate research symposium projects).

University Service

2006 Graduate Student Representative (Dong Wook Sohn, Department of Urban Design and Planning; Jen-yu Chou, Anthropology)

2003 - 2005 Member of Governing Board of *Program on the Environment*, an interdisciplinary program that offers an undergraduate degree in Environmental Studies plus several other qualifications. I consulted on information management, website design, and communications; attended quarterly board meetings; strategic planning workshop; and other meetings.

2005 Member of *Interaction Design Faculty Search, School of Art*.

2003 Short presentation to the *Catalyst Portfolio Working Group*, summarizing experiences with using Portfolio tool in INFO-440: *Information System Design*.

Information School Service

2005 – present Member *Ph.D. Program Committee*. Contributed to major curriculum revision and implemented change, wrote course proposals for the *HCI Design Foundations* and *HCI Design Studio* courses, and helped revise procedures and policies. Member of admissions committee (2006 – 2007).

2007 Member of the *Personnel Committee*.

- 2006 - 2007 Member of the *iSchool Strategic Planning Group*.
Key member of planning group – setting goals, managing process;
Lead (with Prof. K. Desouza) three month effort to identify major
trends in the information field, leading to various activities
including a report, town hall meetings in the iSchool, presentation
to UW iSchool founding board.
- 2006 Member of *Human-Computer Interaction Faculty Search
Committee*.
- 2004 - 2006 Member of *Elected Faculty Council*. Voted to serve on this school
governance body by faculty.
- 2005 Designed and wrote *Technical Foundations of Information
Management* (IMT-440), a distance course for Masters of
Science in Information Management program, with Dr. Karen
Fullerton.
- 2003 - 2005 Member of *Masters of Science in Information Management
Program Committee*. Developed strategy for the technical strand of
Day and Executive MSIM programs, elicited comments from
faculty, wrote course applications and inventories,
- 2003 *Student Technology Fee Grant*. Wrote a grant to purchase 9 Tablet
PC for undergraduate use which was successful, valued at \$25,000
(With Mr. Scott Barker and Prof. McDonald).

Professional Membership

- Member of the American Society for Information Science & Technology
- Member of the Association for Computer Machinery
- Member of the IEEE

Last updated: 13 June 2007