

Robert B. Allen

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EDUCATION:

- 1979 PhD, MA, University of California at San Diego,
 (Experimental) Psychology.
- 1973 BA, Reed College, (Experimental) Psychology.

EMPLOYMENT:

- 2017 -- 2018 Visiting Professor, Department of Library and Information Science,
 Yonsei University, Seoul, Korea
- 2014 – 2017 Associate Professor, Department of Library and Information Science,
 Yonsei University, Seoul, Korea
- 2013 – 2014 Visiting Foreign Research Scholar, Research Center for Knowledge
 Communities, University of Tsukuba, Tsukuba, Japan
- 2012 Visiting Professorial Fellow, School of Information Management,
 Victoria University of Wellington, Wellington, NZ
- 2004 – 2011 Associate Professor, College of Information Science and Technology,
 Drexel University, Philadelphia, PA, USA
- 1999 – 2004 Professor of Practice, College of Information Studies, University of
 Maryland, College Park, MD, USA
- 1998 – 1999 Visiting Professor, College of Library and Information Services,
 University of Maryland, College Park, MD, USA
- 1997 – 1998 Senior Scientist (Director), Bellcore (Telcordia), Morristown, NJ, USA
- 1997 – 1998 Adjunct Professor, Computer and Information Science, New Jersey
 Institute of Technology, Newark, NJ, USA
- 1997 Adjunct Professor, Department of Psychology, Rutgers University –
 Newark, Newark, NJ, USA
- 1984 – 1997 Research Scientist, Bellcore, Morristown, NJ., USA
- 1978 – 1983 Member Technical Staff, Bell Laboratories, Murray Hill, NJ., USA
- 1974 – 1975 Research Assistant, McGill University, Department of Psychology,
 Montreal, PQ, Canada

CITIZENSHIP: USA

EDITED CONFERENCE PROCEEDINGS:

Allen, R.B., Hunter, J., and Zeng, M. (eds.), Proceedings 2015 International Conference on
Asian Digital Libraries, LNCS #9469, Dec. 2015.

Allen, R.B., and Rasmussen, E. (eds.), *ACM International Conference on Digital Libraries*, Philadelphia, ACM, Jun. 1997.

Lochovsky, F.H., and Allen, R.B. (eds.), *Proceedings of the ACM SIGOIS and IEEE CS TC-OA Conference on Office Information Systems*, Cambridge, MA, ACM, Apr. 1990.

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CHAPTERS IN BOOKS:

Allen, R.B., Metadata for Administrative and Social Science Data, In: *Rich Search and Discovery for Research Datasets: Building the Next Generation of Scholarly Infrastructure*, Edited by J.I. Lane, I. Mulvaney, and P. Nathan, Sage Publishing, 2020

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ARTICLES IN REFEREED JOURNALS:

Kunkle, W.A., and Allen, R.B., The impact of different teaching approaches and languages on student learning of introductory programming concepts. *ACM Transactions on Computing Education (TOCE)*, 16(1), 3.

Zhu, W.Z. and Allen, R.B., Document clustering using the LSI Subspace Signature Model, *JASIST*, 2013, 64(4), 844-860.

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- Breckler, S.J., Allen, R.B., and Konecni, V.J., Mood-optimizing strategies in aesthetic-choice behavior. *Music Perception*, 2, 1983, 459-470.
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Allen, R.B. and Scerbo, M.W., Details of command-language keystrokes, *ACM Transactions on Office Information Systems*, 2, 1983, 159-178.

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REFEREED CONFERENCE AND WORKSHOP PAPERS:

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Allen, R.B., Issues for the Direct Representation of History, ICADL, 2016, LNCS

Allen, R.B., Song, H.N., Lee, B.E., and Lee, J.Y., Using Procedures to Describe Scholarly

Information Resources, ICADL. 2016, LNCS

Chu, Y.M., and Allen. R.B., Formal Representation of Social Roles and Functions for the Description of History, TPDF, 2016, LNCS

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Allen, R.B., and Chu, Y.M., Architectures for Complex Semantic Models, IEEE Big Data and Smart Computing, 2015, DOI: 10.1109/35021BIGCOMP.2015.7072809

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- Allen, R.B., Interface issues for interactive multimedia documents, *Forum on Research and Technology Advances in Digital Libraries*, Edited by N. Adam et al., 1995, Springer-Verlag (LNCS).
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- Allen, R.B., Navigating and searching in digital library catalogs, *Proceedings Digital Libraries '94* (College Station, TX, Jun. 1994), 95-100.
- Allen R.B., Obry, P.D., and Littman, M., An interface for navigating clustered document sets returned by queries. *Conference on Organizational Computing Systems* (Milpitas, Nov. 1993), 166-171.
- Allen, R.B. and Kamm, C.A., A recurrent neural network for word identification from continuous phoneme sequences, R. Lippmann, J. Moody, and D. Touretzky (Eds.), *Advances in Neural Information Processing Systems 3* (Morgan Kaufmann: San Mateo) 1991, 206-212.
- Alspector, J., Allen, R.B., Jayakumar, A., Zeppenfield, T., and Meir, R., Relaxation networks for large supervised learning problems. R. Lippmann, J. Moody, and D. Touretzky (Eds.), *Advances in Neural Information Processing Systems 3* (Morgan Kaufmann: San Mateo) 1991, 1015-1021.
- Allen, R.B., Mechanisms of temporal integration and knowledge representation with simple recurrent networks, *Proceedings of the Cognitive Science Society*, (Chicago, Aug. 1991), 648-652.
- Ghahramani, Z. and Allen, R.B., Temporal processing with connectionist networks. *International Joint Conference on Neural Networks* (Seattle, 1991), 541-546.
- Allen, R.B., Kamm, C.A., and James, S.B., A recurrent neural network for word identification from continuous phoneme strings, *International Conference on Spoken Language Processing* (Kobe, Nov. 1990), 1037-1040.
- Allen, R.B., Learning to solve simple analogies. *International Neural Network Conference* (Paris, Jul. 1990) 537-540.

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- Allen, R.B., Sequential connectionist networks for answering simple questions about a microworld. *Proceedings of the Cognitive Science Society* (Montreal, Aug. 1988), 489-495.
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- Allen, R.B., Several studies on natural language and back-propagation, *International Conference on Neural Networks* (San Diego, Jun. 1987), 2/335-341.
- Alspector, J. and Allen, R.B., A neuromorphic VLSI learning system, P. Losleben (Ed.): *Stanford Conference on Advanced Research in VLSI* (MIT Press, Cambridge, MA), 1987, 459-470.
- Allen, R.B. and Breckler, S.J., Human factors of telephone-mediated interactive electronic games, *ACM SIGPC/SIGSMALL* (San Diego, Dec. 1983), 200-205.
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- Maxemchuk, N.F., Wilder, H.A., and Allen, R.B., Experiments in editing speech. *National Electronics Conference* (Chicago, Oct. 1980), 228-232.
- Allen R.B. and Maxemchuk, N.F., The composition and editing of speech: Subjective tests. *National Telecommunications Conference* (Houston, Dec. 1980).

PATENT:

Allen, R.B. and Alspector, J., Neuromorphic learning systems US Patent #4874963, Oct. 17, 1989 (correction Feb. 22, 1994) (named one of the 100 Best Inventions of 1989 by *Omni Magazine*).

EDITORIALLY REVIEWED ARTICLES:

Allen, R.B., Toward an interactive directory for Norfolk, Nebraska: 1899-1900, *IFLA Newspaper and Genealogy Sections Satellite Conference*, Singapore, 2013, *arXiv:1308.5395*

Allen, R.B., Model-oriented information organization: Part 1, The Entity-Event Fabric, *D-Lib Magazine*, Jul. 2013

Allen, R.B., Model-oriented information organization: Part 2, Discourse Relationships, *D-Lib Magazine*, Jul. 2013

Allen, R.B., Weaving content with coordination widgets, *D-Lib Magazine*, Nov. 2011.

Allen, R.B., Developing a knowledge-base to improve interaction with collections of historical newspapers, *IFLA General Conference*, Aug. 2011, San Juan, PR.

Allen, R.B., Model-oriented scientific research reports, *D-Lib Magazine*, May/June. 2011.

Senserini, A., Allen, R.B., Hodge, G., Anderson, N., and Smith, D., Archiving and accessing Web pages: The Goddard Library Web capture project, *D-Lib Magazine*, Nov. 2004.

PUBLISHED REVIEWS

Allen, R.B., *The Electronic Library*, 2014 (*in press*), Collaborative Research in the Digital Humanities, (Ed) M. Deegan and W. McCarty, Ashgate, 2012.

Allen, R.B., *The Electronic Library*, 2013, Review of: *Semantic Web technologies and social searching for librarians*. By Robin M Fay and Michael P Sauer. (The Tech Set; 20) London: Facet, 2012.

Allen, R.B., Review of L.A. Miller's "Natural language programming: styles, strategies, and contrasts," *Computing Reviews*, Mar. 1982, 170.

POSTERS AND DEMONSTRATIONS:

- An, J., and Allen, R.B., Mining variations in Hangul orthography (poster), *ICADL*, 2015.
- Allen, R.B., Toward a model-oriented research reports (poster), *ICADL*, 2011.
- Horowitz, M.D. and Allen, R.B., Virtual experience as a proxy for numeracy in probability communication (poster) *Society for Medical Decision Making*, Chicago, 2011.
- Horowitz, M.D. and Allen, R.B., Multistage virtually experienced patient decision making (poster) *Society for Medical Decision Making*, Toronto, 2010.
- Anderson, S.A. and Allen, R.B., Developing malleable finding aids with wikis. (poster) *Society of American Archivists Research Forum*, Washington, DC, 2010.
- Sieczkiewicz, R. and Allen, R.B., Historian's use of newspapers. (poster) *Society of American Archivists Research Forum*, Washington, DC, 2010.
- Waters, J. and Allen, R.B., What should we teach about METS in a digital preservation course? (poster) *DigCCurr*, Chapel Hill, NC, 2009.
- Allen, R.B., Highly structured scientific publications. *ACM/IEEE Joint Conference on Digital Libraries* (poster) Jun. 2007, 472.
- Achananuparp, P., Waters, J., McCain, K.W., and Allen, R.B., Towards a curriculum for the management of digital information: tools to support collaborative metadata development, *ASIST* (poster) Nov. 2006.
- Achananuparp, P., McCain, K.W., and Allen, R.B., A tool for teaching the principles of image metadata generation, *ACM/IEEE JCDL* (poster) 2006, 341.
- Zhu, W., Chen, C., and Allen, R.B., Visualization of enterprise social network through email conversations (demo) *ACM/IEEE JCDL*, 2006, 383.
- Zhu, W., Song, M., and Allen, R.B., TREC 2005 Enterprise track results from Drexel, *TREC 2005*,(poster) NIST, Gaithersburg, MD.
- Allen, R.B., Digital Libraries -- A Cornerstone of the Internet information infrastructure. *Asian Digital Library Conference* (invited) Seoul, Korea, Dec. 2000.
- Singh, Y. and Allen, R.B., Digital library experiments with the archival collection of the University of Roorkee, *CALIBER-2000*, Feb., 2000, Madras, India.
- Allen, R.B., Electronic proceedings (EPROCS) for IWANNT'93, *ACM SIGCHI Conference Companion* (Boston, Apr. 1994), 287-288.

Lochbaum C.C., Remde, J., and Allen, R.B., SuperBook demonstration, *ACM Hypertext* (demo) Seattle, 1993.

Allen, R.B., On the evaluation of text editors, (Technical Correspondence) *Communications of the ACM*, Apr. 1985, 324-325.

Allen, R.B., Working paper on ethical issues for research on the use of computer services and interfaces. *SIGCHI Bulletin* 16, 1984, 12-15.

OTHER PUBLICATIONS IN ARXIV

Allen, R.B., Repositories with Direct Representation, arXiv:1512.09070, Dec 2015.

Allen, R.B., Supporting Structured Browsing for Full-Text Scientific Research Reports, arXiv 1209.0036, Aug 2012.

EDITORIALS AND OTHER PUBLICATIONS:

Allen, R.B., Rich Semantics and Direct Representation for Digital Collections, JCDL, 2017, 348-349.

Allen, R.B., CISForum, *Computer Science Teachers Association (CSTA) Voice*, Spring 2006.

Allen, R.B., Editorial and Charter. *ACM TOIS* 12, 1994, 1-3.

Allen, R.B., Editorial: Computer-Human Interaction and ACM TOIS. *ACM TOIS* 9, 1991, 97.

Allen, R.B., Editorial: A New Name -- ACM Transactions on Information Systems, *ACM TOIS* 7, 1989, 1.

Allen, R.B., Editorial: Electronic Publication of Manuscripts, *ACM TOOIS* 3, 1985, 233.

Allen, R.B., Editorial, *ACM TOOIS* 3, 1985, 1.

Allen, R.B., Special Issue Preface, *Human Factors*, Aug.1984.

PANELS:

Allen, R.B., (panelist) Repositories Based on Direct Semantic Representations, Asia-Pacific iSchool Conference, October, 2015, Wuhan, China

- Allen, R.B., (commentator) Workshop on Global Collaboration of Information Schools (WIS), IFLA Satellite Meeting, Nanyang Technological University, Aug. 2013.
- Allen, R.B., (panelist) Academic Panel, Newspaper Archives Summit, University of Missouri, Apr. 2011.
- Allen, R.B., (chair) What should we save in a digital world? Panel at JCDL Jun. 2009.
- Allen, R. B., (panelist) Effective models for digital publications, *Entomological Society of America Annual Conference*, Reno, Nov. 2008.
- Allen, R.B., (panelist) The role of preservation in the digital era, ALA Midwinter Meeting, Preservation Administrators Discussion Group, Philadelphia, Jan. 2008.
- Allen, R.B., (panelist) Information science and computer science as part of programming-lite: a dialog about educating computer science practitioners in a flat world, *ACM SIGCSE*, Covington, KY, Mar. 2007.
- Allen, R.B., (panelist) Sustainability of digital library education projects, JCDL Workshop on Digital Library Education, Jun. 2007, Vancouver, BC.
- Allen, R.B. (chair) Using online repositories in LIS education, Association for Library and Information Science Education, San Antonio, TX, Jan. 2006.
- Allen, R.B., (panelist) Enhancing a digital library of historical newspapers, *American Society for Information Science and Technology*, Greensboro, NC, Nov, 2005.
- Allen, R.B., (panelist) What every iSchool student should know: Information as a fundamental construct, *iConference*, State College, PA, Sept. 2005.
- Allen, R.B., (panelist) Collections of project documentation: Management and use of project libraries. *American Society for Information Science and Technology*, Providence, RI, Nov. 2004.
- Allen, R.B., (chair) Competing models of online access: A case study in computer science, *Society for Scholarly Publishing*, Baltimore, MD, May 2003.
- Allen, R.B., (chair) The business of publishing, *Computing Research Association (CRA)*, Snowbird, UT, Jul. 2002.
- Allen, R.B., (panelist) Perils and pitfalls of publishing conference proceedings online, *Electronic Publishing and the Information Superhighway*, Boston, May 1995.
- Allen, R.B., (panelist) Research issues in digital libraries, *Digital Library Forum*, McLean, VA, May 1995.

WORKSHOP AND SHORT PRESENTATIONS WITHOUT ACCOMPANYING PUBLICATION:

- Allen, R.B., Rich Semantics and Direct Representation, Workshop, May 2019, Harvard University.
- Allen, R.B., Information Organization as Infrastructure for Digital Humanities, Interrogating Infrastructure Workshop, Jul. 2016, Kings College London.
- Allen, R.B., Repositories based on direct semantic representations, Asia-Pacific iSchool Conference, Oct., 2015, Wuhan, China.
- Allen, R.B., Full-text digital libraries, organization and access of big data, BK21 Workshop, Jul. 2014, Yonsei University.
- Allen, R.B., From iSchools to a discipline of information, International Symposium: Reviewing the Development of Information Schools to Inform their Future, Mar. 2014, Tsukuba Japan.
- Allen, R.B., Conceptual models for data libraries. New Zealand eResearch Symposium, Jul. 2012, Wellington NZ.
- Allen, R.B., Improving access to digitized historical newspapers with text mining, coordinated models, and formative user interface design. Victoria Digital History Workshop, Mar., 2012, Wellington NZ.
- Allen, R.B., Model-oriented scientific research reports (Thesis in Three), *Scientific Communication Association of New Zealand*, Feb. 2012, Wellington NZ.
- Allen, R.B., Information resource coordination as annotation, *STLR Workshop*, Jun. 16, 2011, Ottawa.
- Allen, R.B., Research for access to historical newspapers, California Newspapers in the Digital Age: Making Our History Available: A Conference in Celebration, University of California at Riverside, Oct, 2007.
- Allen, R.B., Project metadata: development of the Goddard Core, metadata for the project management community, Sept. 2003, Special Session Dublin Core Conference, Seattle, Washington (co-organizer of this special session).
- Huffman, K. and Allen, R.B., Taking another step forward: Digitizing historical newspaper collections, Association for Library Collections and Technical Services Meeting: Newspaper Users Discussion Group, American Library Association Midwinter Meeting, Jan. 2001, Washington, D.C.

Allen, R.B., Building video digital libraries on the Web. Workshop on Digital Libraries in Practice: Issues and Ideas, College Park, MD, Mar. 1998.

Allen, R.B., Indexing and browsing tools for multimedia objects. Getty Museum Workshop on Semantic Systems, Los Angeles, CA, Oct. 1996.

Allen, R.B., Interface Issues for a multimedia library, ONR Workshop on Issues in Interactive Multimedia, Las Cruces, NM, Feb. 1996.

Allen, R.B., Online conference proceedings, International Workshop on Neural Networks in Telecommunications, Princeton, NJ, Oct. 1993.

Allen, R.B., Connectionist language users (CLUES), Army Research Symposium, University of Pennsylvania, Dec. 1990.

OTHER INVITED TALKS:

Allen, R.B., Rich semantics and direct representation for digital collections, Department of Computer Science, National University of Singapore, Jan., 2016

Allen, R.B., Repositories with direct representation, Department of Information Management, Beijing University, Beijing, Nov. 2015.

Allen, R.B., Toward tutoring systems based on knowledge-rich community models, Department of Library and Information Science, Hong Kong University, Hong Kong, Jan. 2015.

Allen, R.B., Model-oriented information organization, Department of Library and Information Science, National Taiwan Normal University, Taipei, Taiwan, Jan. 2014.

Allen, R.B., Model-oriented information organization, Department of Library and Information Science, National Taiwan University, Taipei, Taiwan, January 2014.

Allen, R.B., Process-oriented information organization, Department of Library and Information Science, Yonsei University, Seoul, Korea, May 2013.

Allen, R.B., Full-text, model-oriented digital libraries. iSchool, University of South Australia, Nov. 2012.

Allen, R.B., Models for scientific research reports and for digital history. School of Engineering and Computer Science, Victoria University of Wellington, May 2012.

Allen, R.B., Models for scientific research reports and for digital history. Department of Information Science, University of Otago, Mar. 2012.

- Allen, R.B., Beyond linked data to linked models for digital history and eScience. iSchool, University of North Texas, Nov. 2011.
- Allen, R.B., Linking data and models for digital history and eScience. School of Information Management, Victoria University of Wellington, Jul. 2011.
- Allen, R.B., Toward a historian's workbench: challenges for digital history. Research Conversation at iSchool, University of Washington, Feb. 2011.
- Allen, R.B., What to do with a Million Pages of Digitized Historical Newspapers, Faculty of Computer Science, Dalhousie University, Apr. 2009.
- Allen, R.B., Invited presentation, Connections (LIS graduate student conference), Philadelphia, 2007.
- Allen, R.B., Building an event gazetteer, IST, Drexel University, Philadelphia, Mar. 2004.
- Allen, R.B., Building an event gazetteer, School of Information Sciences, University of Tennessee, Knoxville, Mar. 2004.
- Allen, R.B., Digital libraries, knowledge management, and digital preservation, International Symposium on Digital Library for the 21st Century: Building a National Digital Library, National Library of Korea, Seoul, Korea, Oct. 2002.
- Allen, R.B., ACM and the open access debate, U. Maryland, ACM Student Chapter, Apr. 2002.
- Allen, R.B., Conceptual markup, Library Research Council, College Park, MD, Nov. 2001.
- Allen, R.B., Training for E-Competencies: A university perspective. GODORT Session, 2001 Federal Depository Conference, Alexandria, VA, Oct. 2001.
- Allen, R.B., Technology for e-Rights and e-Responsibilities, Maryland Library Association, Solomons Island, MD, May 2001.
- Allen, R.B., Digital libraries, (Keynote for 40th Anniversary of the GSFC Library), NASA Goddard Space Flight Center, May 2001.
- Allen, R.B., Multimedia digital libraries, WGBH, Boston, Sept. 2000.
- Allen, R.B., Navigating digital libraries and multimedia archives, Department of Information and Computer Science, UC Irvine, Feb. 1998.
- Allen, R.B., Packet video for smart eCities, *Smart City 2000* Conference, Miami, FL., Mar. 1997.

- Allen, R.B., Multimedia interfaces (Keynote), *Army Research Laboratory Workshop on Multimedia Information Systems*, Arlington, VA, Oct. 1995.
- Allen, R.B., SuperBook document browser, NASA Goddard Flight Center, Greenbelt, MD, Mar. 1995.
- Allen, R.B., Digital library user interface, Online Computer Library Center (OCLC), Columbus, OH, May 1994.
- Allen, R.B., Multimedia interfaces, *Frontiers of Physics Lecture Series*, SUNY New Paltz, Nov. 1993.
- Allen, R.B., Neural networks and natural language processing, Glasgow University, Glasgow, Scotland, Jul. 1990.
- Allen, R.B., Connectionist language users (CLUES), Cognitive Science Institute, Princeton University, Mar. 1990.
- Allen, R.B., Neural networks for natural language processing, Department of Computer Science, Washington University, St. Louis, Dec. 1989.
- Allen, R.B., Neural networks for natural language processing, School of Library Science, University of Chicago, Dec. 1989.
- Allen, R.B., Neural networks for natural language processing, Department of Computer Science, University of Illinois, Urbana, IL, 1989.
- Allen, R.B., Neural networks for natural language processing, Department of Psychology, Lehigh University, Bethlehem, PA, Nov. 1989.
- Allen, R.B., Neural networks overview, General Electric Laboratory, Schenectady, NY, Jul. 1989.
- Alspector, J., and R.B. Allen, Neuromorphic learning systems, IBM TJ Watson Research Lab, Yorktown Heights, NY, May 1989.
- Allen, R.B., Connectionist language users (CLUES), AAAI Spring Symposium, Stanford University, Mar. 1989.
- Allen, R.B., Modeling cognition with neural networks, Department of Psychology, Princeton University, Sep. 1988.
- Allen, R.B., Overview of neural networks, Stevens Institute of Technology, Hoboken, NJ, Apr. 1988.

Allen, R.B., Overview of neural networks, Department of Computer Science, Jackson State University, Jackson MS, April 1988.

Allen, R.B., User interface research, Summer Institute Guest Lecture, SUNY Potsdam, Aug. 1986.

Allen, R.B., User models, Software Psychology Society, Washington, DC, Jul. 1986.

Allen, R.B., Menus and trees, New Jersey Institute of Technology, Newark, NJ, 1980.

Allen, R.B., Menus and trees, Office '80 Workshop, Department of Computer Science, University of Toronto, Toronto, Ontario, Mar. 1980.

PH.D. DISSERTATION:

Allen, R.B., *The effects of the emotional states of observer and observed on generation and recall of emotion labels*, Department of Psychology, University of California, San Diego, 1979. Advisor: Dr. Ebbe Ebbesen.

GRANTS AWARDED:

Automatic extraction of article metadata for historical newspapers, NEH Digital Humanities Start Up, RA RT236763EN, \$30K+ cost share (PI).

Developing Faculty of digital librarianship for the 21st Century, IMLS, Librarians for the 21st Century Doctoral Training Grant, \$992K+cost share (co-PI).

Towards a model curriculum for the management of digital information, IMLS, RE-05-050085-05, \$291K + cost share (PI) + \$7.5k supplement.

Interacting with threaded event scenarios, NSF, University of Maryland #0329111 and Drexel University #0541637, \$100K (PI).

EDITORSHIPS:

1996 - 2006 Associate Editor, *Journal of Digital Information*

1995 - 1996 Information Director, *ACM Transactions on Information Systems*

1984 - 1995 Editor-in-Chief, *ACM Transactions on Information Systems* 1984 -

1989 Editorial Board, *Human Factors*

1984 Editor, *Human Factors*, Special Issue on Text Editing, Vol. 23, No. 3

1984 Associate Editor, *ACM Transactions of Office Information Systems*

PROFESSIONAL SOCIETY OFFICES:

ACM Council
 Member 2001-2004
 ACM Executive Committee
 Member 2001-2004
 ACM Publications Board
 Member 1998-2005
 Chair 2001-2004

CONFERENCE AND OTHER COMMITTEES:

ACM Digital Libraries and ACM/IEEE Joint Conference on Digital Libraries (JCDL)
 Program Chair: 1997
 Program Committee: 1995, 1996, 1997, 1998, 1999, 2000, 2002, 2003, 2004, 2005,
 2006, 2009, 2010, 2011, 2012, 2013, 2015, 2016, 2017
 Demonstration Reviews: 2006
 Workshops Chair: 1999
 ACM Document Processing Conference
 Program Committee: 1988
 ACM History Committee
 Planning: 2004
 ACM SIGCHI
 Program Committee: 1989, 1990, 1995, 1996, 1997, 1998, 1999, 2000, 2002
 Short Papers Committee: 2002
 ACM SIGIR
 Program Committee: 1989, 1990
 Program Committee First-Tier: 1999, 2000
 ACM SIGMM Multimedia Conference
 Conference Treasurer: 1993, 1994
 Conference General Chair: 1995
 Panels Chair: 1996
 SIGMM Treasurer: 1995-1999
 Program Committee Member: 1991, 1993, 1994, 1998
 Program Committee Associate Chair: 1997
 SIG Steering Committee: 1997
 ACM SIGOIS (a.k.a. SIGGROUP)
 General Chair (COOCS): 1990
 Program Chair (COIS): 1988
 Program Committee: 1986, 1998
 Steering Committee: 1992, 1993
 ACM SIGWEB Hypertext Conference
 General Chair: 2002
 Executive Committee, 2005
 Asia-Pacific Conference on Library, Information, and Education Practice (A-LIEP)

Program Committee: 2017, 2019, 2021
Asian Information Retrieval Symposium (AIRS)
Program Committee: 2006
Association of Information Science and Technology (ASIST)
Communications and Publications Committee:
Co-Chair 2011-2012
Program Committee: 2001, 2013, 2014, 2015, 2017, 2019, 2020
Poster Review Committee: 2013, 2014, 2015, 2017
Thomson Reuters Doctoral Proposal Award Committee:
Member 2009
Chair 2010, 2011
Australasian Document Computing Symposium (ADCS)
Program Committee, 2012
Cognitive Science Conference
Program Committee: 1991, 1992
Digital Infrastructures for Scholarly Content Objects (DISCO) Workshop
2021, 2022
Digital Libraries
Program Committee: 2014
Electronic Publishing and the Information Superhighway (DAGS)
Advisory Board and Program Committee: 1995
IEEE Symposium of Office Automation
Program Committee: 1987
Histoinformatics (Workshop on Computational History)
Program Committee, 2013, 2014, 2016, 2017, 2019, 2021
iConference
Program Committee: 2014, 2015, 2016, 2017, 2018, 2019, 2020
International Congress on Advanced Applied Informatics: E-Service and Knowledge
Management (IAAI-ESKIM)
Program Committee: 2016
International Conference on Asian Digital Libraries (ICADL)
Program Co-Chair, 2015
Program Committee: 2002, 2003, 2004, 2005, 2006, 2008, 2011, 2012, 2014, 2016
Steering Committee, 2015
International Conference on Information Systems (ICIS)
Web 2.0 and Social Media Analytics Track: Associate Editor: 2009
International Digital Library Conference (DL)
Program Committee: 2014
International Federation of Library Associations and Institutions (IFLA)
Standing Committee Member for Newspapers Section 2011-2015
Neural Information Processing Systems
Treasurer: 1991, 1992
Program Committee: 1990, 1991
Pacific Neighborhood Consortium
Review Committee: 2016, 2021
Rich Semantics and Direct Representation for Digital Collections
Co-Organizer: 2016, 2017, 2019
System Dynamics Society

Program Committee: 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

Theory and Practice in Digital Libraries (TPDL) formerly European Conference in Research and Advanced Technology for Digital Libraries (ECDL)

Program Committee 1997, 1998, 1999, 2010, 2012, 2015, 2016, 2017, 2019, 2020

Poster Review Committee: 2010

Short Papers and Posters Reviewer, 2022

USACM - ACM Policy Committee

Member: 2003-2005

Other Workshop Organizer

2014 Organization and Access of Big Data Workshop, Jul. 2014, Yonsei University, Program Co-Chair

2015 Mining Big Text, Yonsei University, Feb. 2014, Program Co-Chair

Other Program and Technical Committees

1990 Waterloo Text Conference

1994 Workshop on Information Technologies and Systems

1995 Workshop on Hypermedia Design

1998 EP'98 (Electronic Publishing) Conference

2000 NSF Korean-American Digital Library Working Group

2000 Digital Strategies Conference (at US National Archives, also Steering Committee)

2006 Knowledge Management International Conference and Exhibition (KMICE)

2006 TMBio Workshop

2009 Conference on Networked Digital Technologies (NDT), Czech Republic

2016 Interrogating Infrastructure, King's College London

2019 International Workshop on Semantic Web for Historical and Legacy Linguistic and Lexicographic Data (SWH3L), Auckland, NZ

JOURNAL REVIEWER:

ACM Transactions on Computer-Human Interaction

ACM Transactions of Office Information Systems

Bell System Technical Journal

Behaviour and Information Technology

CODATA Data Science Journal

Connection Sciences

Communications of the ACM

Computers and Human Behavior

Data Knowledge and Engineering

Human-Computer Interaction

Human Factors

IEEE Computer

IEEE Multimedia

IEEE Systems, Man, and Cybernetics (A)

IEEE Transactions on Communications

Information Processing and Management

International Journal of Man-Machine Studies
International Journal of Digital Libraries
International Information and Library Review
Journal of the American Society of Information Science
Journal of Education for Library and Information Science
Journal of Experimental Psychology: Human Perception and Performance
Machine Learning
Neural Networks
New Review of Hypermedia
Pakistan Journal of Library and Information Science
Psychological Review
Scientometrics (3)

FUNDING AGENCY REVIEW PANELS:

National Institutes of Health
 BRIN Review Panel, 2001
National Science Foundation
 CISE CDA Infrastructure Site Visit, 1996
 CISE IIS/HCI Review Panel, 1999
 CISE IIS/KDI Knowledge Networking Workshop, 1997
 CISE IIS/Linguistics Review Panel, 2002
 CISE IRIS Review Panel, 1991, 1997
IGERT
 Pre-Proposal Review Panel, year withheld
 Full Proposal Review Panel, years withheld (2 times)
ITR Review Panel, 2000
NSDL Review Panel, 2004
SLC Catalyst, 2003

PUBLISHER BOOK PROPOSAL AND BOOK DRAFT REVIEWS

Addison-Wesley
Jones and Bartlett Publishers, Inc.
MIT Press (2)
Prentice Hall - Information Science
Scarecrow Press
Silicon Press (2)
Wiley

AD HOC REVIEWS:

Hawaii International Conference on System Sciences (HICSS)

2007, 2011
Hong Kong Research Grants Office
U.S. Civilian Research & Development Foundation, 2005
National Science Foundation
SEIII, 2005
Netherlands Organisation for Scientific Research, eScience, 2016
U. California, Micro Grants

OTHER PROFESSIONAL COMMITTEES AND SERVICE:

City of Philadelphia Focus Group on budget for City Records Office
Historical Society of Pennsylvania
Technology Advisory Board, 2009-2010
National Academy of Sciences
Information Technology Literacy Panel, 1998
Board of Visitors, NASA Goddard Library, 2002, 2003, 2004
NASA Goddard Metadata Review Committee, 2002
NCITS L3 (MPEG7 Standards Group)
Principal Member: 1998-1999

CONSULTING AND PAID SERVICE

Historical Society of Pennsylvania, 2010-2011
National Assembly Library of Korea, 2016

TENURE AND PROMOTION EXTERNAL REVIEW (DETAILS ON REQUEST)

Indiana University, School of Library and Information Science
Indiana University-Purdue University Fort Wayne, Computer Science
LIS program in southern US (2)
iSchool, Mid-Atlantic
MIT Media Laboratory
East Asia LIS program
South African CS program
South African LIS program
U. Toronto, Computer Science

MEMBERSHIPS:

Association for Computing Machinery (ACM, Life Member)
Association for Information Science and Technology (ASIST)
Institute for (IEEE, Senior Member)

COURSES TAUGHT:

Yonsei University, Department of Library and Information Science (English)

Undergraduate

LIS 3816	Metadata (Spring 2014, Spring 2016, Spring 2017)
LIS 3817	Data Curation, eScience, and Informatics (Fall 2014)
LIS 3818	Digital Libraries and Digital Preservation (Spring 2015)
LIS 3819	Applied Ontologies (Fall 2015)
LIS 3820	Biomedical Information Organization (Fall 2016)
LIS 3821	Informatics and Data Science (Spring 2017)
LIS 4801	Digital Libraries (Fall 2015, Fall 2016, Fall 2017)
LIS 4808	Informatics and Data Science (Fall 2017)

Graduate

LIS 7032	Digital Libraries (Spring 2014, Fall 2017)
LIS 8023	Digital Humanities Seminar (Fall 2014)
LIS 8024	Data Curation, eScience, and Informatics (Fall 2014)
LIS 8025	Ontologies and Information Organization (Spring 2015)
LIS 8026	Applied Ontologies (Fall 2015)
LIS 8029	Advanced Information Organization (Spring 2016, Spring 2017)
LIS 8030	Archives and Cultural Informatics (Fall 2016)

Yonsei University-Simmons College Joint Program (English)

LIS 8023	Digital Humanities Seminar (Summer 2015)
-----------------	--

University of Tsukuba, School of Information Management (2013)(English)

Masters

01MB404E	Current Issues in Informatics (Advanced Seminar)
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Victoria University of Wellington, School of Information Management (2012)

Masters

INFO 527 (co-taught)	Representing and Organising Information in Context
INFO 528 (co-taught)	Research Methods for Information Management Environments
INFO 560	Design and Evaluation of Human Computer Interaction

Drexel University, College of Information Science and Technology (2004-2011)

Undergraduate

INFO 101	Introduction to Information Technology
INFO 300	Information Retrieval Systems
INFO 310	Human Computer Interaction
INFO 360	Language Processes
INFO 405	Computer Supported Collaborative Work

Graduate

INFO 608	Human Computer Interaction
INFO 614	Distributed Computing and Networking

INFO 624	Information Retrieval Systems
INFO 643	Information Services in Organizations
INFO 653	Digital Libraries
INFO 756	Digital Preservation
Doctoral	
INFO 780-015	Doctoral Seminar on: Multimedia Information Retrieval
INFO 780-015	Doctoral Seminar on: Digital Preservation
INFO 812 (695)	Research Statistics I

University of Maryland, College of Information Studies (1998-2004)

Undergraduate

LBSC 208B	Information and Knowledge Management
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Masters

LBSC 670	Information Structure
LBSC 690 (708U)	Information Technology
LBSC 705 (718A)	Seminar on Information for Decision Making
LBSC 708D	Digital Library Infrastructure
LBSC 708F	Digital Libraries: Technology and Policy
LBSC 708Q (co-taught)	Information and the War on Terrorism
LBSC 793	Database Design
LBSC 795	Human-Computer Communication
LBSC 796 (708A)	Information Retrieval Systems

Doctoral

LBSC 878 (co-taught)	Doctoral Seminar in Information Storage and Retrieval
----------------------	---

New Jersey Institute of Technology, CIS (1997-1998)

CIS 270	Multimedia Information Systems
---------	--------------------------------

Rutgers Newark, Department of Psychology (1997)

PSY 490	Human Computer Interaction
---------	----------------------------

OTHER TEACHING:

Governors School (High School Summer Program)

2007 – 2009	Pennsylvania Governor's School for Information Society and Technology (now DUCA: Drexel University Computing Academy)
-------------	--

DOCTORAL STUDENTS:

Drexel IST Thesis Committees Chaired

Wanda Kunkle, completed 2010

The Impact of Different Teaching Approaches and Languages on Student Learning of Introductory Programming Concepts.

Weizhong Zhu, completed 2009
Text clustering and Active Learning Using a Latent Semantic Indexing
Subspace Signature Model and Query Expansion.

Drexel IST Thesis Committee Member
Donald Pellegrino, completed 2011
Nan Zhou, completed 2010
Johann Sarmiento, completed 2009
James Waters, completed 2009
Min Song, completed 2005

U. Maryland CLIS Thesis Committee Member
Wiwat Puntai, 2003
Anita Komlodi, 2001
Xi Chen (Microbiology), 2001
Allen Brewer, 2000

External Thesis Committees
Vijay Kumar, Computer Science, Texas A&M University, 1997
Mark Riecken, Computer Engineering, University of New Mexico, 1993

External Thesis Examiner
Nanyang Technology University, School of Computer Engineering, 2004

MENTORING:

Mentor of Visiting Scholars
M. K. Bhandi, U. Mangalore, 1999 (Fulbright)
C. R. Madhusudana Rao, Bangalore, 2000 (Fulbright)
Deshmukh Subhash, Guru Gobind Singh Indraprastha U, (2000) (Fulbright)
Y. Singh, U. Roorkee, 2000 (Fulbright)
Zhang De, ISTIC (Beijing), 1999-2000
Hedong Yang, ISTIC (Beijing), 2001