

Robert B. Allen

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EDUCATION:

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| 1973 – 1979 | PhD, MA, University of California at San Diego, Experimental Psychology. |
| 1969 – 1973 | BA, Reed College, Experimental Psychology. |

EMPLOYMENT:

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| 2004 – present | Associate Professor, College of Information Science and Technology, Drexel University, Philadelphia, PA. |
| 1999 – 2004 | Professor of Practice, College of Information Studies, University of Maryland, College Park, MD. |
| 1998 – 1999 | Visiting Professor, College of Library and Information Services, University of Maryland, College Park, MD. |
| 1997 – 1998 | Senior Scientist, Bellcore, Morristown, NJ. |
| 1997 – 1998 | Adjunct Professor, Computer and Information Science, New Jersey Institute of Technology. |
| 1997 | Adjunct Professor, Department of Psychology, Rutgers University - Newark. |
| 1984 – 1997 | Research Scientist, Bellcore, Morristown, NJ. |
| 1978 – 1983 | Member Technical Staff, Bell Laboratories, Murray Hill, NJ. |
| 1974 – 1975 | Research Assistant, McGill University, Department of Psychology. |

CHAPTERS IN BOOKS:

- Allen, R.B., Electronic newspapers (major entry) *Encyclopedia of Database Systems*, F.W. Tompa and T. Ozsu, editors, Springer, in press.
- Allen, R.B., Mental models and user models. *Handbook of Human-Computer Interaction* (2nd edition) Edited by: M. Helander, T.K. Landauer, and P. Prabhu, Elsevier Science, 1997, 49-63.
- Allen, R.B., Cognitive factors in human interaction with computers. *Directions in Human/Computer Interaction*, Ablex: Norwood, NJ, 1983, 1-26; Edited by: A. Badre and B. Shneiderman, also in *Behaviour and Information Technology* 1, 1982, 257-278.

ARTICLES IN REFEREED JOURNALS:

- Waters, J., and Allen, R.B., Music metadata in a new key: Metadata and annotation for music in a digital world *Journal of Library Metadata*, Fall 2009 (in press).
- Anderson, S., and Allen, R.B., Envisioning the archival commons, *American Archivist*, Fall, 2009 (in press).
- Allen, R.B., and Johnson, K., Preserving digital local news, *Electronic Library*, 2008, 26 (3), 387-399.
- Song, M., Song, I.Y., Hu, X., and Allen, R.B., Integration of association rules and ontologies for semantic query expansion, *Data Knowledge and Engineering*, 63(1), 2007, 63-75.
- Diker, V., and Allen, R.B., XMILE: XML as an interchange language for system dynamics models, *System Dynamics Review*, 21(4), 2005, 351-359 (technical note).
- Hodge, G., Templeton, C., and Allen, R.B., A Metadata element set for project documentation, *Issues in Science and Technology Librarianship*, 25(4), 2005, 5-23.
- Allen, R.B., Using information visualization to support access of archival records, *Journal of Archival Organization*, 3(1), 2005, 37-49.
- Allen, R.B. and Wu, Y.J., Metrics for the scope of collections, *Journal of the American Society for Information Science and Technology*, 55(10), 2005, 1243-1249.
- Kumar, V., Furuta, R., and Allen, R.B., Interactive interfaces for knowledge-rich domains, *Electronic Publishing*, 8, 1996, 235-246.
- Allen, R.B., Retrieval from facet spaces, *Electronic Publishing*, 8, 1996, 247-257.
- Allen, R.B., User models: Method, theory, and practice. *International Journal of Man-Machine Studies*, 32, 1990, 511-543.
- Allen, R.B., CLUES: Connectionist language users, *Connection Science*, 2, 1990, 279-311.
- Allen, R.B. and Alspector, J., Learning of stable states in stochastic asymmetric networks. *IEEE Transactions on Neural Networks*, 1, 1990, 233-238.

- Allen, R.B., Composition and editing of spoken letters, *International Journal of Man-Machine Studies*, 19, 1983, 181-193.
- Breckler, S.J., Allen, R.B., and Konecni, V.J., Mood-optimizing strategies in aesthetic-choice behavior. *Music Perception*, 2, 1983, 459-470.
- Allen, R.B., Cognitive factors in the use of menus and trees: An experiment, *IEEE Journal on Selected Areas in Communications SAC-1*, 1983, 333-336.
- Allen, R.B. and Scerbo, M.W., Details of command-language keystrokes, *ACM Transactions on Office Information Systems*, 2, 1983, 159-178.
- Allen, R.B., Patterns of manuscript revisions, *Behaviour and Information Technology*, 1, 1982, 177-184.
- Allen, R.B., Composition and editing of text, *Ergonomics* 24, 1981, 611-622.
- Allen, R.B. and Ebbesen, E.B., Cognitive processes in impression formation: Retrieval of personality trait and behavioral information. *Journal of Experimental Social Psychology*, 17, 1981, 119-141.
- Ebbesen, E.B. and Allen, R.B., Cognitive processes in implicit personality inferences, *Journal of Personality and Social Psychology* 37, 1979, 471-488.
- Allen, R.B., FOEP, A Fortran-based experimental package, *Behavior Research Methods and Instrumentation*, 10, 1978, 63-64.
- Millenson, J.R., Allen, R.B., and Pinker, S., Adjunctive drinking during variable and random interval food reinforcement schedules, *Animal Learning and Behavior*, 15, 1977, 285-290.

REFEREED CONFERENCE AND WORKSHOP PAPERS:

- Allen, R.B. and Nalluru, S., Exploring history with narrative timelines. *HCI International*, 2009, LNCS 5617, pp. 333-338.
- Allen, R.B., Waldstein, I., and Zhu, W., Automated processing of digitized historical newspapers: Identification of segments and genres. *International Conference on Asian Digital Libraries (ICADL)*, 2008, 380-387 (short paper). LNCS 5362, pp 379-386.
- Zhu, W., Chen, C., and Allen, R. B. (2008) Analyzing the propagation of influence and concept evolution in enterprise social networks through centrality and latent semantic analysis. In Washio, T. et al. (Eds.): *Advances in Knowledge Discovery and Data Mining*, Proceedings of the

12th Pacific-Asia Conference (PAKDD 2008), Osaka, Japan, May 20-23, 2008. LNCS, 5012, pp. 1090-1098.

- Achananuparp, P., McCain, K.W., and Allen, R.B., Supporting student collaboration for image indexing, *International Conference on Asian Digital Libraries (ICADL)*, 2007, Hanoi, LNCS 4822, pp. 24-34.
- Achananuparp, P., and Allen, R. B., Developing a student-friendly server, *DigCCurr*, Chapel Hill, 2007.
- Allen, R.B., Japzon, A., Achananuparp, P., and Lee, K.J, A framework for text processing and supporting access to collections of digitized historical newspapers, *HCI International*, 2007, Beijing, LNCS 4558, 235-244.
- Song, M., Song, I.Y., Allen, R.B., and Obradovic, Z., Keyphrase extraction-based query expansion in digital libraries, *ACM/IEEE JCDL*, 2006, 202-209.
- Zhu, W., Xu, X., Hu, X., Song, I.Y., and Allen, R.B., Using UMLS-based re-weighting terms as a query expansion strategy, *Proceedings of IEEE Granular Computing*, 2006, 217-222.
- Allen, R.B., Wu, Y., and Luo, J., Interactive causal schematics for qualitative scientific explanations, *International Conference on Asian Digital Libraries (ICADL)*, (LNCS 3815/2005, 411-415) December, 2005, Bangkok, Thailand.
- Song, M., Song, I.Y., Hu, X., and Allen, R.B., Semantic query expansion combining association rules with ontologies and information retrieval techniques, *Proceedings of the 7th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2005)* (Lecture Notes in Computer Science, Vol. 3589), Copenhagen, Denmark, Aug. 2005, 326-335.
- Diker, V., and Allen, R.B., It's about time: The why and how of using XML for developing an interchange standard for system dynamics models, *System Dynamics Society Conference 2005* (paper in proceedings, poster at conference).
- Allen, R.B., A multi-timeline interface for browsing historical newspapers. *ACM/IEEE Joint Conference on Digital Libraries*, 2005, 260-261 (short paper).
- Song, M., Song, I.Y., Hu, X., and Allen, R.B., An automatic unsupervised querying algorithm for efficient information extraction in a biomedical domain. In: T.B. Ho, D. Cheung, and H. Li (editors), *LNCS Transactions on Computational Systems Biology: Advances in Knowledge Discovery*

and Data Mining, 9th Pacific-American Conference on Data Discovery, (PAKDD), 2005, 173.

- Song, M., Song, I.Y., Hu, X., and Allen, R.B., KXtractor: An effective biomedical information extraction technique based on mixture Hidden Markov Models. International Workshop on Bioinformatics Research and Applications, *LNCS Transactions on Computational Systems Biology*, 2005, 68-81.
- Allen, R.B., Developing a query interface for an event gazetteer, *ACM/IEEE Joint Conference on Digital Libraries*, 2004, 72-73 (short paper).
- Allen, R.B. and Wu, Y.J. Generality of texts, *International Conference on Asian Digital Libraries (ICADL)*, Dec. 2002, LNCS 2555, Singapore, 111-116.
- Allen, R.B., Murray, G.C., and Yang, H., WQ: An Environment for teaching information access skills, *EdMedia*, June 2002, Denver.
- Allen, R.B., and Puntai, W., A digital library-based recommender service for multimedia development in a learning community, *European Conference on Computer-Supported Collaborative Learning*, March 2001, Maastricht, Netherlands, 37-42.
- Allen, R.B., and Acheson, J. A., Browsing the structure of multimedia stories, *ACM Digital Libraries*, San Antonio, TX, June 2000, 11-18.
- Semple, P., Allen, R.B., and Rose. A., Developing an educational multimedia digital library: Content preparation, indexing, and usage, *EdMedia*, Montreal, PQ, June 2000.
- Rose, A., Allen, R.B., and Fulton, K., Multiple channels of electronic communication for building a distributed learning community. *Conference on Computer-Supported Cooperative Learning*, Palo Alto, CA, Dec. 1999, 495-502.
- Allen, R.B. and Schalow, J.R., Metadata and data structures for the full text historical newspaper project, *ACM Conference on Information and Knowledge Management (CIKM)*, Kansas City, Nov. 1999, 147-153.
- Harris, C., Allen, R.B., Plaisant, C., and Shneiderman, B., Temporal visualization for legal case histories, *American Society for Information Science (ASIS)*, Washington, D.C., Nov, 1999.
- Kumar, V., Furuta, R., and Allen, R.B., Metadata visualization for digital libraries: Interactive timeline editing and review. *ACM Digital Libraries*, 1998, 126-133.

- England, P., Allen, R.B., and Underwood, R., RAVE: RealTime services for the Web, *Proceedings Fifth World-Wide Web Conference*, (Paris, May 1996), 1547-1558. Also: *Computer Networks and ISDN Systems*, 28 (1996), 1547-1558.
- England, P., Allen, R.B., Sullivan, M., Bianchi, M., Heybey, A., and Dailianas, A., I/Browse: The video library toolkit. *Proceedings SPIE Photonics West'96: Electronic Imaging Science and Technology '96: Storage and Retrieval for Image and Video Databases IV*, San Jose (Jan. 1996).
- Dailianas, A., Allen, R.B., and England, P., Comparisons of automatic video segmentation algorithms, *Proceedings SPIE Photonics East'95: Integration Issues in Large Commercial Media Delivery Systems*, Philadelphia (Oct. 1995).
- 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).
- Allen, R.B., Timelines as information system interfaces. *Proceedings International Symposium on Digital Libraries*, (Tsukuba, Japan, Aug. 1995), 175-180.
- Allen, R.B., Two digital library interfaces that exploit hierarchical structure, *Proceedings of DAGS95: Electronic Publishing and the Information SuperHighway* (Boston, May 1995), 134-141.
- Allen, R.B., Navigating and searching in digital library catalogs, *Proceedings Digital Libraries '94* (College Station, TX, June 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, August 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, July 1990) 537-540.
- Allen, R.B., Using verbs and remembering the order of events, *International Joint Conference on Neural Networks* (Washington DC, Jan. 1990), 1/210-213.
- Allen, R.B. and Kaufman, S.M., Identifying and discriminating temporal events with connectionist language users, *IEE Conference on Artificial Neural Networks* (London, Oct. 1989), 284-286.
- Allen, R.B. and Riecken, M.E., Reference and connectionist language users, R. Pfeifer, Z. Schreter, F. Fogelman-Soulie, and L. Steels (Eds.), *Connectionism in Perspective* (Amsterdam: Elsevier), 1989, 301-308.
- Alspector, J., Gupta, B., and Allen, R.B., Performance of a stochastic learning microchip, D. Touretzky (Ed.), *Advances in Neural Information Processing* (AIP Press), 1988, 748-760.
- Allen, R.B., Sequential connectionist networks for answering simple questions about a microworld. *Proceedings of the Cognitive Science Society* (Montreal, Aug. 1988), 489-495.
- Alspector, J., Allen, R.B., Hu, V., and Satyanarayana, S., Stochastic learning networks and their electronic implementation, *Proceedings Conference on Neural Information Processing Systems (NIPS)* (Denver, 1987), 9-21.
- Allen, R.B., Several experiments on natural language and back-propagation, *International Conference on Neural Networks* (San Diego, June 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.

Allen, R.B., Cognitive factors in the use of menus and trees: An experiment. *Conference Record NTC '81* (New Orleans, Dec. 1981), F2.5.1-F2.5.5.

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).

POSTERS, DEMONSTRATIONS, AND MAGAZINE ARTICLES:

Waters, J., and Allen, R.B., What should we teach about METS in a digital preservation course? (poster) *DigCCurr*, 2009.

Allen, R.B., Highly structured scientific publications. *ACM/IEEE Joint Conference on Digital Libraries* (poster) June 2007.

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) November 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.

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*, November 2004.

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, Mardas, 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.

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

EDITORIALS AND OTHER PUBLICATIONS:

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.

INVITED TALKS, PRESENTATIONS OTHER THAN CONFERENCE PAPERS:

Allen, R.B., What to do with a million pages of digitized historical newspapers, Faculty of Computer Science, Dalhousie University, April 2009.

Allen, R.B., Building an event gazetteer, IST, Drexel University, Philadelphia, March 2004.

Allen, R.B., Building an event gazetteer, School of Information Sciences, University of Tennessee, Knoxville, March 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, Korean National Library, 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 cities, *Smart City 2000* Conference, Miami, FL., March 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, March 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., SuperBook for hospital networking case study, Carnegie Mellon University, Information Networking Institute, Pittsburgh, March 1993.
- Allen, R.B., Neural networks and natural language processing, Glasgow University, Glasgow, Scotland, July 1990.

- Allen, R.B., Connectionist language users (CLUES), Cognitive Science Institute, Princeton University, March 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, July 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, March 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, Apr. 1988.
- Allen, R.B., User interface research, Summer Institute Guest Lecture, SUNY Potsdam, August 1986.
- Allen, R.B., User models, Software Psychology Society, Washington, DC, July 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, March 1980.

PANELS:

- Allen, R.B., (chair) What should we save in a digital world? Panel at JCDL June 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, January 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, March 2007.
- Allen, R.B., (panelist) Sustainability of digital library education projects, JCDL Workshop on Digital Library Education, June 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, July 2002.
- Allen, R.B., (panelist) Perils and pitfalls of publishing conference proceedings online, *Electronic Publishing and the Information Superhighway*, May 1995.
- Allen, R.B., (panelist) Research issues in digital libraries, *Digital Library Forum*, McLean, VA, May 1995.

WORKSHOP PRESENTATIONS WITHOUT ACCOMPANYING PUBLICATION:

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, March 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.

PATENT:

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

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-05-05-0085-05, \$291K + cost share (PI).

Interacting with Threaded Event Scenarios, NSF, University of Maryland #0329111, 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:

American Society of Information Science and Technology (ASIST)
Program Committee: 2001
Doctoral Proposal Award Committee: 2009
Asian Information Retrieval Symposium (AIRS)
Program Committee: 2006
ACM Digital Libraries and ACM/IEEE Joint Conference on Digital Libraries (JCDL)
Program Chair: 1997
Program Committee: 1995, 1996, 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2009, 2010
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: 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
Steering Committee: 1992, 1993

ACM SIGWEB Hypertext Conference
General Chair: 2002
Executive Committee, 2005

Cognitive Science Conference
Program Committee: 1991, 1992

Electronic Publishing and the Information Superhighway (DAGS)
Advisory Board and Program Committee: 1995

European Conference in Research and Advanced Technology for Digital Libraries
Program Committee: 1997, 1998, 1999.

International Conference on Information Systems (ICIS)
Web 2.0 and Social Media Analytics Track: Associate Editor: 2009

IEEE Symposium of Office Automation
Program Committee: 1987

International Conference on Asian Digital Libraries (ICADL)
Program Committee: 2002, 2003, 2004, 2005, 2006, 2008

Neural Information Processing Systems
Treasurer: 1991, 1992
Program Committee: 1990, 1991

System Dynamics Society
Program Committee: 2007, 2008, 2009

USACM - ACM Policy Committee
Member: 2003-2005

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 the 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

JOURNAL REVIEWER:

ACM Transactions on Computer-Human Interaction
ACM Transactions of Office Information Systems
Bell System Technical Journal
Behaviour and Information Technology
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
IEEE Transactions on Communications
Information Processing and Management
International Journal of Man-Machine Studies
International Information and Library Review
Journal of the American Society of Information Science
Journal of Digital Libraries
Journal of Education for Library and Information Science
Journal of Experimental Psychology: Human Perception and Performance
Machine Learning
Neural Networks
New Review of Hypermedia
Psychological Review

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/Linguistic Review Panel, 2002
CISE IRIS Review Panel, 1991, 1997
IGERT Pre-Proposal Review Panel, year withheld
IGERT Full Proposal Review Panel, year withheld (2 times)
ITR Review Panel, 2000
NSDL Review Panel, 2004
SLC Catalyst, 2003
Hong Kong Research Grants Office
U. California, Micro Grants

PUBLISHER BOOK REVIEWS:

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

AD HOC REVIEWS:

U.S. Civilian Research & Development Foundation, 2005
National Science Foundation
SEIII, 2005
Hawaii International Conference on System Sciences
HICSS, 2007

OTHER PROFESSIONAL COMMITTEES:

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

TENURE AND PROMOTION EXTERNAL REVIEW

(ADDITIONAL DETAILS PROVIDED UPON REQUEST)

Indiana University, School of Library and Information Science
Indiana University-Purdue University Fort Wayne, Computer Science
LIS program in southern US
ISchool, Mid-Atlantic
MIT Media Laboratory
U. Toronto, Computer Science

MEMBERSHIPS:

ACM
ALISE
ASIST
IEEE Senior Member

COURSES TAUGHT:

Rutgers Newark, Department of Psychology (1997)
PSY 490 Human Computer Interaction

New Jersey Institute of Technology, CIS (1997-1998)
CIS 270 Multimedia Information Systems

University of Maryland, College of Information Studies (1998-2004)
LBSC 208B Information and Knowledge Management
LBSC 670 Information Structure
LBSC 690 (708U) Information Technology
LBSC 705 (INFO 718A) Seminar on Information for Decision Making
LBSC 708D Digital Library Infrastructure
LBSC 708F Digital Libraries: Technology and Policy
LBSC 708Q Information and the War on Terrorism (co-taught)
LBSC 793 Database Design
LBSC 795 Human-Computer Communication
LBSC 796 (708A) Information Retrieval Systems
LBSC 878 Doctoral Seminar in Information Storage and Retrieval (co-taught)

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

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 (Winter 2010)

Masters

INFO 608 Human Computer Interaction
INFO 614 Distributed Computing and Networking (Winter 2010)
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

OTHER TEACHING:

2007 – 2009 (summers) Pennsylvania Governor’s School for Information Society and
Technology (now Drexel University Computing Academy)

STUDENTS AND MENTORING:

Mentor of Visiting Scholars

M. K. Bhandi, U. Mangalore, 1999 (Fulbright)

C. R. Madhusudana Rao, Bangalore, 2000 (Fulbright)

Y. Singh, U. Roorkee, 2000 (Fulbright)
Zhang De, ISTIC (Beijing), 1999-2000
Hedong Yang, ISTIC (Beijing), 2001

U. Maryland Thesis Committees

Wiwat Puntai, 2003
Anita Komlodi, 2001
Xi Chen (Microbiology), 2001
Allen Brewer, 2000

Drexel IST Thesis Committees Chaired

Scott Anderson (Chair)
Wanda Kunkle (Chair)
Weizhong Zhu (Chair), completed 2009
Text clustering and active learning using a Latent Semantic
Indexing Subspace Signature Model and Query Expansion.

Drexel IST Thesis Committee Member

Johann Sarmiento, completed 2009
Min Song, completed 2005
Nan Zhou

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