

Anselm Spoerri

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EDUCATION

- 1995 **Ph.D.** in Information Visualization
Massachusetts Institute of Technology, Cambridge, MA
Thesis: InfoCrystal: Visual Tool for Information Retrieval.
Committee: Richard Marcus, Steve Lerman, Paul Resnick, Ron MacNeil.
- 1991 **M.Sc.** in Brain & Cognitive Sciences
Massachusetts Institute of Technology, Cambridge, MA
Thesis: The Early Detection of Motion Boundaries.
Advisor: Shimon Ullman.
- 1982 **B.Sc.** Honors in Mathematics
Bedford College - University of London, London, England.

EMPLOYMENT

Academic Positions

- 2008 – **Lecturer / Assistant Professor**, Rutgers University.
present SC&I, Department of Library and Information Science.
- 2001 – **Assistant Professor**, Rutgers University.
2008 SCILS, Department of Library and Information Science.
Ph.D. Program Member: Full (2004 – 2008), Associate (2001 – 2004).
MCIS Program Member (2001 – 2008).
- 1991 – **Research Assistant**, MIT.
1994 Center of Educational Computing Initiatives.
- 1990 **Research Assistant**, MIT.
Artificial Intelligence Laboratory.
- 1985 – **Research Assistant**, MIT.
1987 Artificial Intelligence Laboratory.
- 1983 – **Teaching and Research Assistant**, MIT.
1985 Department of Brain & Cognitive Sciences.

Industry Positions

- 1997 – **CEO and Co-Founder**
2001 i-Recall Inc., New York City, NY.
Raised funds from Jay Chiat and managing partners at Goldman Sachs to develop software that enables people to use their notes to pinpoint specific moments in

digital audio and video. Invented product line, managed its development and developed business strategy. Negotiated sale of i-Recall to ActiveGroup.

- 1997 **Research Consultant.**
Researching Group Facilitation Software for John Kao, a leading corporate innovation and business transformation consultant.
- 1996 – **Member of Technical Staff.**
1997 AT&T Research, Murray Hill, NJ.
- 1995 **Member of Technical Staff.**
AT&T Bell Labs, Naperville, IL.
- 1987 – **Filmmaker, Producer & Distributor.**
1990 IMAGO Productions, Cambridge, MA.
Raised \$250,000 from Pro Helvetia and 40 other funding sources to produce and distribute the feature-length and award-winning documentary IMAGO Meret Oppenheim narrated by Glenda Jackson.

AWARDS

- 2010 **Teaching Award**
Department of Library and Information Science, SC&I, Rutgers University.
- 2004 **Finalist** – International Science & Engineering Visualization Challenge jointly sponsored by NSF and the journal Science.
- 2003 **Teaching Award**
Department of Library and Information Science, SCILS, Rutgers University.
- 1990 **Gold Apple Award** at National Educational Film & Video Festival, one of the key U.S. festivals for special interest media.
- 1990 **Grand Prix de la Ville de Mulhouse** for the film IMAGO Meret Oppenheim.
- 1989 **Honorable Mention for Best Artist Portrait**
at International Festival Du Film D'Art in Paris.
- 1988 **Prize for Outstanding Quality** by the Swiss Film Board.

FELLOWSHIPS

- 1991 – **UBILAB Doctoral Research Fellowship**
1994 sponsored by the UBILAB of the Union Bank of Switzerland at the Center for Educational Computing Initiatives, MIT.

RESEARCH

Referred Journal Publications

Spoerri, A. (2008). Authority and Ranking Effects in Data Fusion. *Journal of the American Society for Information Science and Technology, JASIST 59 (3)*, 450-460.

Spoerri, A. (2007). Examining the Authority and Ranking Effects as the Result List Depth used in Data Fusion is Varied. *Information Processing & Management, 43 (4)*, 1044-1058.

Spoerri, A. (2007). Using the Structure of Overlap between Search Results to Rank Retrieval Systems Without Relevance Judgments. *Information Processing & Management*, 43 (4), 1059-1070.

Spoerri, A. (2007). Visualizing the Overlap between the 100 Most Visited Pages on Wikipedia for September 2006 to January 2007. *First Monday*, 12 (4), 11 pages.
URL: <http://firstmonday.org/htbin/cgiwrap/bin/ojs/index.php/fm/article/view/1764/1644>.

Spoerri, A. (2007). What is popular on Wikipedia and why? *First Monday*, 12 (4), 12 pages.
URL: <http://firstmonday.org/htbin/cgiwrap/bin/ojs/index.php/fm/article/view/1765/1645>.

Dalbello, M., **Spoerri, A.** (2006). Statistical Representations from Popular Texts for the Ordinary Citizen, 1889-1914. *Library & Information Science Research*, 28 (1), 83-109.

Spoerri, A. (2004). Toward Enabling Users to Visually Evaluate the Effectiveness of Different Queries or Engines. *Journal of Web Engineering*, 3 (3&4), 297-313.

Book Chapters

Yasseri, T., **Spoerri, A.**, Graham, M. and Kertesz, J. (2014). The Most Controversial Topics in Wikipedia: A Multilingual and Geographical Analysis. In Fichman P. and Hara N. (Eds.), *Global Wikipedia: International and Cross-Cultural Issues in Online Collaboration*. Lanham, MD, Scarecrow Press. Forthcoming.
Available at SSRN: <http://ssrn.com/abstract=2269392>

Spoerri, A. (2002). Handwritten Notes as a Visual Interface to Index, Edit and Publish Audio/Video Highlights. In K. Boerner and C. Chen (Eds.), *Visual Interfaces to Digital Libraries - Its Past, Present, and Future (Lecture Notes in Computer Science Vol.2539)*, pp. 116 – 130. Berlin, Germany: Springer-Verlag.

Spoerri, A. (1999). InfoCrystal: A Visual Tool for Information Retrieval. In S. Card, J. Mackinlay & B. Shneiderman (Eds.), *Readings in Information Visualization: Using Vision to Think*, pp. 140 - 147. San Francisco, CA: Morgan Kaufmann. (Originally published in 1993).

Referred Conference Publications

Spoerri, A. (2007). The Benefits of Skimming in Data Fusion. *Proceedings of the 70th Annual Meeting of the American Society for Information Science and Technology (ASIST 2007)*, 10 pages.

Spoerri, A. (2007). Visual Mashup of Text and Media Search Results. *Proceedings of the 11th International Conference on Information Visualization (IV 2007)*, pp. 216 – 221.

Spoerri, A. (2007). Coordinating Linear and 2D Displays to Support Exploratory Search. *Proceedings of the 5th International Conference on Coordinated & Multiple Views in Exploratory Visualization (CMV 2007)*, pp. 16 – 26.

Spoerri, A. (2006). Visualizing Meta Search Results: Evaluating the MetaCrystal toolset. *Proceedings of the 69th Annual Meeting of the American Society for Information Science and Technology (ASIST 2006)*, 12 pages.

Spoerri, A. (2005). How the Overlap Between the Search Results of Different Retrieval Systems Correlates with Document Relevance. *Proceedings of the 68th Annual Meeting of the American Society for Information Science and Technology (ASIST 2005)*, 10 pages.

Spoerri, A. (2004). Visual Search Editor for Composing Meta Searches. *Proceedings of the 67th Annual Meeting of the American Society for Information Science and Technology (ASIST 2004)*, pp. 373 – 382.

Spoerri, A. (2004). How Visual Query Tools Can Support Users Searching the Internet. *Proceedings of the 8th International Conference on Information Visualization (IV 2004)*, pp. 329-334.

Spoerri, A. (2004). Coordinated Views and Tight Coupling to Support Meta Searching. *Proceedings of the 2nd International Conference on Coordinated & Multiple Views in Exploratory Visualization (CMV 2004)*, pp 39-48.

Spoerri, A. (2002). How to Make Audio/Video as Easy to Use as Text. *Proceedings of the 65th Annual Meeting of the American Society for Information Science and Technology (ASIST 2002)*, pp. 270 – 278.

Spoerri, A. (1994). InfoCrystal: Integrating Exact and Partial Matching Approaches Through Visualization. *Proceedings of the Conference for Intelligent Multimedia Information Retrieval Systems and Management (RIAO 1994)*, pp. 687 – 696.

Spoerri, A. (1993). InfoCrystal: A Visual Tool for Information Retrieval & Management. *Proceedings of the ACM Conference for Information and Knowledge Management (CIKM 1993)*, pp. 11 – 20.

Spoerri, A. (1993). InfoCrystal: A Visual Tool for Information Retrieval. *Proceedings of the IEEE Visualization Conference (VIS 1993)*, pp. 150 – 157.

Spoerri, A. (1993). Novel Route Guidance Displays. *Proceedings of the IEEE Conference for Vehicle Navigation & Information Systems (VNIS 1993)*, pp. 419 – 422. Third Place Student Paper.

Spoerri, A. (1993). Visual Tools for Information Retrieval. *Proceedings of the IEEE Symposium on Visual Languages (VL 1993)*, pp. 160 – 168.

Spoerri, A., Ullman, S. (1987). The Early Detection of Motion Boundaries. *Proceedings of the IEEE First International Conference on Computer Vision (ICCV 1987)*, pp. 209 – 218.

Referred Short Papers and Posters

Spoerri, A. (2004). RankSpiral: Toward Enhancing Search Result Visualizations. *Proceedings of the 10th International IEEE Symposium on Information Visualization (InfoVis 2004)*, p. 18.

Spoerri, A. (2004). MetaCrystal: Visualizing the Degree of Overlap Between Search Engines. *Proceedings of the ACM 13th International World Wide Web Conference (WWW 2004)*, pp. 378-379.

Spoerri, A. (2004). MetaCrystal: Visual Interface for Meta Searching. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2004)*, p. 1558.

Referred Software Demonstrations

Spoerri, A. (2002). Souvenir: Flexible Note-Taking Tool to Pinpoint and Share Media Highlights. Software Demonstration. *Proceedings of the IEEE International Conference on Multimedia and Expo (ICME 2002)*.

Spoerri, A. (2002). Souvenir: Flexible Note-taking Tool to Pinpoint and Share Media Highlights. Software Demonstration. *Proceedings of 25th Annual International ACM*

SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2002), p.453.

Spoerri, A. (2002). Souvenir: Flexible Note-Taking Tool to Pinpoint and Share Media in Digital Libraries. Software Demonstration. *Proceedings of the 2nd ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL 2002)*, p.383.

Spoerri, A. (1995). InfoCrystal. Software Demonstration. *Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 1995)*, p. 367.

Spoerri, A. (1994). InfoCrystal. Software Demonstration. *Proceedings of the ACM SIGCHI Conference Companion on Human Factors in Computing Systems (CHI 1994)*, pp. 11 – 12.

Software Developed

Spoerri, A. (2007). searchCrystal software, developed in Flash ActionScript, consists of more than 50,000 lines of codes and made publicly accessible in June 2007.

Spoerri, A. (1995). InfoCrystal software, developed in LISP and consists of more than 10,000 lines of codes.

Technical Reports

Spoerri, A. (1991). The Early Detection of Motion Boundaries. *MIT Artificial Intelligence Laboratory Technical Report 1275*. 71 pages.

Invited Presentations

Spoerri, A. (Nov 2013). *Visualizing the most Controversial and Popular Topics in Wikipedia*. Harvard University, Berkman Center for Internet & Society, Cambridge, MA, USA.

Spoerri, A. (Nov 2013). *Visualizing the Edit Wars in Wikipedia*. Yale University, Information Society Project at the Yale Law School, New Haven, CT, USA.

Spoerri, A. (Oct 2013). *Visualizing the most Controversial and Popular Topics in Wikipedia*. University of Richmond, Center of International Studies and Robins School of Business, Richmond, VA, USA.

Spoerri, A. (July 2013). *Visualizing the most Controversial and Popular Topics in Wikipedia*. Graz University of Technology, Institute for Information Systems and Computer Media, Graz, Austria.

Spoerri, A. (July 2013). *Visualizing the most Controversial and Popular Topics in Wikipedia*. University of Zagreb, Department of Information and Communication Sciences, Zagreb, Croatia.

Spoerri, A. (June 2012). *Visualizing the Power Set and Its Applications*. Budapest University of Technology and Economics, Budapest, Hungary.

Spoerri, A. (Nov 2009). *Information Visualization*. Princeton-Trenton Chapter of the Special Libraries' Association, Princeton, NJ.

Spoerri, A. (June 2009). *whereRU: Virtual Experience of Rutgers*. Worldbank, Washington, DC.

Spoerri, A. (July 2004). *How to Use Information Visualization to Support Users Searching the Internet*. Department of Psychology, University of Berne, Switzerland.

Spoerri, A. (June 2004). *Using Information Visualization to Support Users in the Search Process*. Department of Computer Science, University of Zurich, Switzerland.

Spoerri, A. (May 2004). *MetaCrystal: Visual Toolset for Supporting Users in the Search Process*. Department of Computer Science, University of Konstanz, Germany.

Spoerri, A. (May 2002). *Visualize, Annotate & Find*. Department of Psychology, University of Berne, Switzerland.

Spoerri, A. (May 1994). *InfoCrystal: Integrating Exact and Partial Matching Approaches Through Visualization*. Information Technology Research Laboratory of the Union Bank of Switzerland (UBILAB), Zurich, Switzerland.

Spoerri, A. (Nov 1993). *InfoCrystal: A Visual Tool for Information Retrieval & Management*. Human-Computer Interaction Laboratory (HCIL), Department of Computer Science, University of Maryland.

Spoerri, A. (Oct 1993). *InfoCrystal: A Visual Tool for Information Retrieval*. XEROX Palo Alto Research Center (PARC).

Spoerri, A. (Oct 1993). *InfoCrystal: A Visual Tool for Information Retrieval*. School of Library and Information Science (SLIS), University of California, Berkeley.

Spoerri, A. (Aug 1993). *Visual Tools for Information Retrieval*. Information Technology Research Laboratory of the Union Bank of Switzerland (UBILAB), Zurich, Switzerland.

Invited Panel Presentations

Gershon, N. D., Bushell, C., Mackinlay, J. D., Ruh, W., **Spoerri, A.**, Tesler, W. (Aug 1994). Information Visualization: The Next Frontier (Panel Presentation). *Proceedings of the 21st Annual Conference on Computer Graphics and Interactive Techniques (SIGGRAPH 1994)*. pp. 485-486.

Invited Workshop Presentations

Spoerri, A. (2005). Visualizing Authority and Ranking Effects. *Workshop on Exploratory Search Interfaces: Clustering, Categorization and Beyond*. University of Maryland Human-Computer Interaction Laboratory's 22nd Annual Symposium and Open House (HCIL SOH 2005). June 2005.

Spoerri, A. (2004). Enabling Users to Visually Evaluate the Effectiveness of Different Queries or Engines. *WWW 2004 – Workshop on Measuring Web Search Effectiveness: the User Perspective*. New York, NY, May 2004.

Grants

- 2009 **Rutgers Research Council Grants** (\$1,642)
to investigate new forms of digital storytelling.
- 2007 **SCILS Grants to Get Grant** (\$400).
- 2005 **Rutgers Research Council Grants** (\$2,650)
to assess the performance quality of search methods.
- 2004 **Rutgers Research Council Grants** (\$1,500)
to develop visual tools to support users in the meta search process.
- 2003 **Rutgers Research Council Grants** (\$2,250)
to visualize the content of digital video recordings.

- 2002 **Rutgers Research Council Grants** (\$2,500)
to study how to refine algorithms for structuring handwriting captured as digital ink and evaluate the effectiveness of segmentation algorithms.
- 2002 **SCILS Grants to Get Grant** (\$315).

FUNDING

- 2009 **Rutgers Undergraduate Admissions** (\$15,000)
to support two summer students to work on the whereRU project.

TEACHING

Rutgers University

Ph.D.

Thesis Committee

- Xiaojun Yuan. Supporting Multiple Information-Seeking Strategies in a Single System Framework, 2007.
- Dianne Kelly. Understanding implicit feedback and document preference: A naturalistic user study, 2003.
- Judit Santon. Shifts Between Search Stages in Task Performance During Mediated Information Retrieval, 2003.

Qualifying Examination

- Mark Sharp, 2004.
- Insuk Oh, 2003.
- Ying Sun, 2002.

Masters

Courses Taught

- MLIS Multimedia Production (Campus and Online): Fall 2001, Spring and Fall 2002, Spring and Fall 2003, Spring 2004, Spring and Fall 2006, Spring and Fall 2007, Spring, Summer and Fall 2008, Spring, Summer and Fall 2009, Spring, Summer and Fall 2010, Spring, Summer and Fall 2011, Spring, Summer and Fall 2012, Spring, Summer and Fall 2013.
- MLIS Information Visualization & Presentation (Campus and Online): Fall 2002, Fall 2003, Spring 2005, Spring 2006, Fall 2007, Spring and Fall 2008, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Fall 2013.
- MLIS Information Technologies (Campus and Online): Fall 2008, Spring 2010, Spring 2012, Fall 2013.
- MLIS Social Software (Online): Fall 2009.
- MCIS Digital Multimedia Production (Online): Spring 2012, Spring 2013.

Courses Developed

- MLIS Multimedia Production: Campus and Online (Fall 2001, Spring 2006, Fall 2009, Fall 2012, Fall 2013).

- MLIS Information Visualization & Presentation: Campus and *Online* (Fall 2002, Spring 2008, Fall 2009, Fall 2013).
- MLIS Information Technologies: Campus and *Online* (Spring and Summer 2010, Fall 2013).
- MLIS Human Computer Interaction: Campus (Spring 2002).
- MCIS Multimedia Production: *Online* (Spring 2012).

Independent Study

- Peter Green. Information Visualization Prototype, 2009.
- Anthony Joachim. Website for Exploring Research about Visual Tools for Text Retrieval, 2004.
- Mi-Sun Lyu. Flash Implementation of InfoCrystal, 2002.

Undergraduate

Courses Taught

- ITI Information Visualization (Campus): Spring 2004, Spring 2005, Spring 2007, Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013.
- ITI Web Design (Campus and Online): Fall 2009, Fall 2010, Spring 2011, Fall 2012, Summer 2013.
- ITI Human Computer Interaction (Campus): Spring 2002, Spring 2003.

Courses Developed

- ITI Information Visualization: Campus (Spring 2004, Spring 2007, Spring 2009).
- ITI Web Design: Campus and Online (Fall 2009, Fall 2012, Summer 2013).
- ITI Human Computer Interaction: Campus (Spring 2002).
- DCIM Strategic Presentation Methods in Digital Media: Campus (Summer 2010).

Internship Supervision

- Bryant Young, 2010.
- Larissa Nycz, 2005.
- Lauren Herman, 2003.
- Mike Tagliareni, 2003.

Independent Studies

- Erik Grobelny. Development and creation of Overview Video for whereRU, 2010.
- Richard Arcega. Development of whereRU site and its backend database, 2009.
- Jeff McGregor. Development of clustered map visualization for whereRU, 2009.
- Lenard Sarabia. Research and creation of Virtual Tour Video for College Avenue campus, 2009.
- Jeff Tam. Research and creation of Virtual Tour Video for Newark campus, 2009.

Massachusetts Institute of Technology

Undergraduate

Courses Taught

- Introduction to Psychology: Fall 1984.

SERVICE

Professional Activities

Ad Hoc Reviewer

- Journal of the American Society for Information Science and Technology: 2007.
- Information Processing & Management: 2003, 2007.
- IEEE Symposium on Information Visualization (InfoVis): 2005, 2007.
- ACM Conference on Research and Development in Information Retrieval (SIGIR): 2005, 2006, 2007.
- ACM Symposium on User Interface Software and Technology (UIST): 2005.

Conference Session Chair

- Second International Workshop on Visual Interfaces to Digital Libraries, 2nd ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL 2002). Portland, OR. July 2002.
- ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 1995). Denver, CO. May 1995.

Educational Consulting

- External evaluator of the Web Developer Program at the *Raritan Valley Community College*, NJ. Fall 2013.

Rutgers University

School of Communication and Information

- New Minor: 2009 – present.
- Web Committee: 2007 – 2008.
- Advisor for the Rutgers student Chapter of the American Society for Information Science and Technology (ASIS&T): 2006 – 2008.

Department of Library and Information Science

- Research Committee: 2006 – 2008. Co-organizer of LIS Research Showcase 2007.
- Student Affairs Committee: 2002 – 2005.
- Curriculum Committee: 2001 – 2002 and 2008 to present.