BIOGRAPHICAL DATA

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PROFESSIONAL INTERESTS:

Digital Libraries, Digital Humanities, Structured Document Modeling,
Collaborative Hypermedia Systems, Electronic Publishing

EDUCATION:

Ph.D., Computer Science, University of Washington, 1986

M.S., Computer Science, University of Oregon, 1978

B.A., Biology, Reed College, 1974

EXPERIENCE

Educational:

Professor, Department of Computer Science, Texas A&M University, September 2001–present. Associate Professor, Department of Computer Science, Texas A&M University, September 1993–August 2001.

Director, TEES Center for the Study of Digital Libraries, January 2004–present. Associate Director, April 1995–January 2004.

Director, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, April 1995–present. Co-director, September 1993–April 1995.

Undergraduate advisor, Department of Computer Science, Texas A&M University, September 2006–present.

Assistant Professor, Department of Computer Science, University of Maryland, August 1985–August 1993 (Lecturer between 1985 and 1986).

University of Maryland Institute for Advanced Computer Studies, September 1987–June 1989. September 1990–June 1993.

Industrial:

National Institute of Standards and Technology, National Computer and Telecommunications Laboratory, Systems and Software Technology Division, Office Systems Engineering Group. Computer Scientist. July 1987–July 1993. (NIST was known as the National Bureau of Standards until August 1988).

HONOR SOCIETIES AND AWARDS

- Tau Beta Pi (engineering honor society).
- Software associated with refereed journal article 7: grand prize in Oracle Corporation's "Unleash the Genius" contest, 1990.
- Senior Member, Institute of Electrical and Electronics Engineers, awarded December 1995.
- "Web-based Visualization of 3D Terrain," by Augustine Su, Shueh-Cheng Hu, and Richard Furuta, named one of the top 10 Educational VRML Worlds (top 40 overall) by Silicon Graphics, January 21, 1997. (See http://vrml.sgi.com/worlds/awards/)
- Best Student Paper Award, WebNet 97, World Conference of the WWW, Internet, & Intranet (Toronto, Canada); "WWW Tools for Accessing Botanical Collections," Erich Schneider, John J. Leggett, Richard K. Furuta, Hugh D. Wilson, and Stephan L. Hatch, Texas A&M University, USA, 1997.
- ACM (Association for Computing), "Recognition of Service Award," SIGLINK Chair, November 1993– June, 1997.
- Eastgate Systems, Inc., HyTech award, "Walden's Paths", December 11, 1997.
- Donald R. Ray '68 Faculty Fellow for 1999-2000, Dwight Look College of Engineering, Texas A&M University
- TEES Fellow, Dwight Look College of Engineering, Texas A&M University, fall 2001.
- Senior Member. Association for Computing Machinery, awarded spring 2007.
- Distinguished Engineer. Association for Computing Machinery, awarded fall 2007.
- Charles W. Crawford Service Award, 2008–2009, Dwight Look College of Engineering, Texas A&M University.
- Charles W. Crawford Service Award, 2014–2015, Dwight Look College of Engineering, Texas A&M University.

PUBLICATIONS

Publication listings are in chronological order of first appearance.

Refereed Journal Publications

1. Richard Furuta, Jeffrey Scofield, and Alan Shaw, "Document Formatting Systems: Survey, Concepts, and Issues," *Computing Surveys* Vol. 14, No. 3, pp. 417–472, September 1982. (Review article. Reprinted as book chapter (entry 1 in chapters in books list).Translated into Japanese and reprinted in *bit*, 1983).
2. Richard Furuta, Vincent Quint, and Jacques André, "Interactively Editing Structured Documents," *Electronic Publishing: Origination, Dissemination & Design*, Vol. 1, No. 1, pp. 19–44, April 1988. Publisher's erratum, *Electronic Publishing: Origination, Dissemination & Design*, Vol. 1, No. 2, pp. 135–136, September 1988.
3. P. David Stotts and Richard Furuta. "Petri-Net-Based Hypertext: Document Structure with Browsing Semantics." *ACM Transactions on Information Systems*, Vol. 7, No. 1, pp. 3–29, January 1989.
4. Richard Furuta, Catherine Plaisant, and Ben Shneiderman, "A Spectrum of Automatic Hypertext Constructions," *Hypermedia*, Vol. 1, No. 2, pp. 179–195, 1989. (An earlier version is listed as Technical Report entry 10.) .
5. Richard Furuta, "An Object-based Taxonomy for Abstract Structure in Document Models." *The Computer Journal*, Vol. 32, No. 6, pp. 494–504, December 1989.
6. Richard Furuta, Catherine Plaisant, and Ben Shneiderman, "Automatically Transforming Linear Documents into Hypertext," *Electronic Publishing: Origination, Dissemination & Design*, Vol. 2, No. 4, pp. 211–229, December 1989.

7. Leonard Gallagher, Richard Furuta, and P. David Stotts, "Increasing the Power of Hypertext Search with Relational Queries," *Hypermedia*, Vol. 2, No. 1, pp. 1–14, 1990. (Also listed as Technical Report entry 15.)

8. P. David Stotts and Richard Furuta, "Browsing Parallel Process Networks," *Journal of Parallel and Distributed Computing*, Vol. 9, pp. 224–235, 1990. (A more complete version is listed as Technical Report entry 13.)

9. P. David Stotts and Richard Furuta, "Temporal Hyperprogramming," *Journal of Visual Languages and Computing*, Vol. 1, No. 3, pp. 237-253, 1990. (An earlier version is listed as Technical Report entry 14.)

10. Richard Furuta and P. David Stotts, "Generalizing Hypertext: Domains of the Trellis Model," *Technique et Science Informatiques (Technology and Science of Informatics)*, Vol. 9, No. 6, pp. 493–503, November 1990. (Also listed as Technical Report entry 18.)

11. Richard Furuta and P. David Stotts, "A Functional Meta-Structure for Hypertext Models and Systems," *Electronic Publishing: Origination, Dissemination & Design*, Vol. 3, No. 4, pp. 179–205, November 1990. (Also listed as Technical Report entry 23.)

12. Richard Furuta, P. David Stotts, and Jefferson Ogata, "YTRACC: An Interactive, Visual Debugger for YACC," *Software—Practice and Experience*, Vol. 21, No. 2, pp. 119–132, February 1991. (Also listed as Technical Report entry 17.)

13. Richard Furuta, "Important Papers in the History of Document Preparation Systems: Basic Sources." *Electronic Publishing: Origination, Dissemination & Design*, Vol. 5, No. 1, pp. 19–44, March 1992. (Also listed as Technical Report entry 21.)

14. P. D. Stotts and R. Furuta, "Hypertextual Concurrent Control of a Lisp Kernel," *Journal of Visual Languages and Computing* (Academic Press), Vol. 3, No. 2, pp. 221–236, June 1992. (Also listed as Technical Report entry 26.)

15. Richard Furuta and P. David Stotts, "Dynamic Hyperdocuments: Authoring Replaces Programming," *Communications of the ACM*, Vol. 38, No. 6, pp. 111-112, August 1995.

16. J. Navon, D. Stotts, and R. Furuta, "Collaborative Hyperdocuments and Prototyping Groupware," *Computers in Industry*, Vol. 29, pp. 91-104, 1996. (This is an expanded version of conference paper 27.)

17. David Kingery, and Richard Furuta, "Skimming Electronic Newspaper Headlines: A Study of Typeface, Point Size, Screen Resolution, and Monitor Size," *Information Processing and Management*, Vol. 33, No. 5, pp. 685–696, September, 1997.

18. Frank M. Shipman III, Catherine C. Marshall, Richard Furuta, Donald A. Brenner, Hao-Wei Hsieh, and Vijay Kumar, "Using Networked Information to Create Educational Guided Paths," *International Journal of Education Telecommunications*, Vol. 3, No. 4, pp. 383–400, 1997.

19. P. David Stotts, Richard Furuta, and Cyrano Ruiz Cabarrus, "Hyperdocuments as Automata: Verification of Trace-based Browsing Properties by Model Checking." *ACM Transactions on Information Systems*, Vol. 16, No. 1, January 1998, pp. 1–30.

20. Shueh-Cheng Hu, Richard Furuta, and Eduardo Urbina. "An Electronic Edition of *Don Quixote* for Humanities Scholars," *Document Numérique*, 3(1–2), June 1999, pp. 75–91.

21. F. Shipman, R. Furuta, D. Brenner, C. Chung, and H. Hsieh, "Guided Paths through Web-Based Collections: Design, Experiences, and Adaptations," *Journal of the American Society of Information Sciences (JASIS)*, 51(3), March 2000, pp. 260-272.

22. Michael Bieber, Douglas Engelbart, Richard Furuta, Starr Roxanne Hiltz, John Noll, Jennifer Preece, Edward A. Stohr, Murray Turoff, and Bartel Van de Walle, "Towards Virtual Community Knowledge Evolution," *Journal of Management Information Systems*, 18(4), Spring 2002, pp. 11–35.

23. Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, Frank Shipman, Avital Arora, Suvendu Dash,

Pratik Dave, and Emily Luke. "Metadocuments Supporting Digital Library Information Discovery," *International Journal on Digital Libraries*, Volume 4, Number 1, August 2004, pp. 25-30.

24. Pavana Polineni, Prathyusha Aragonda, Suresh R. Xavier, Richard Furuta, and David L. Adelson. "The bovine QTL viewer: a web accessible database of bovine Quantitative Trait Loci." *BMC Bioinformatics*, 7:283, 2006. (Online at `http://www.biomedcentral.com/1471-2105/7/283`).

25. Eduardo Urbina, Richard Furuta, Steven Escar Smith, Neal Audenaert, Jie Deng, and Carlos Monroy. "Visual Knowledge: Textual Iconography of the Quixote, a Hypertextual Archive," *Literary and Linguistic Computing*, Volume 21, Number 2, June 2006, pp. 247-258.

26. Fernando Gonzáez Moreno, Eduardo Urbina, Richard Furuta, and Jie Deng. "La colección de Quijotes ilustrados del Proyecto Cervantes: Catálogo de ediciones y archivo digital de imágenes." *Cervantes: Bulletin of the Cervantes Society of America*, Volume 25, Number 1, 2005. [Issued in 2006.]

27. Jin-Cheon Na and Richard Furuta. "caT: Adapting and updating the Trellis hypertext model." *New Review of Hypertext and Multimedia*, Volume 12, Issue 2, December 2006, p. 217-246.

28. Neal Audenaert and Richard Furuta. "Annotated Facsimile Editions: Defining Macro-level Structure for Image-Based Electronic Editions." *Literary & Linguistic Computing*, 2009.

29. Luis Meneses and Richard Furuta, "Visualizing Poetry: Tools for Critical Analysis," *paj:The Journal of the Initiative for Digital Humanities, Media, and Culture*, vol. 3, 2015. Available: https://journals.tdl.org/paj/index.php/paj/article/view/34

30. Hamed Alhoori and Richard Furuta, "Recommendation of scholarly venues based on dynamic user interests," *Journal of Infometrics*, vol. 11, issue 2, May 2017, 553–563. DOI: http://doi.org/10.1016/j.joi.2017.03.006

31. Matthew Christy, Anshul Gupta, Elizabeth Grumbach, Laura Mandell, Richard Furuta, and Ricardo Gutierrez-Osuna, "Mass Digitization of Early Modern Texts with Optical Character Recognition," *ACM Journal on Computing and Cultural Heritage*, accepted for publication, 2017.

32. L. Meneses, A. Arbuckle, H. Lopez, B. Moa, R. Siemens and Richard Furuta, "Shaping New Models of Interaction in Open Access Repositories with Social Media ," *Social Knowledge Creation in the Humanities,* Volume 2, 2018. Accepted for publication.

Refereed conference proceedings

1. Richard Furuta and P. Michael Kemp, "Experimental Evaluation of Programming Language Features: Implications for Introductory Programming Languages," *Tenth SIGCSE Technical Symposium on Computer Science Education*, Vol. 11, No. 1, pp. 18–21, (February 1979).

2. Richard Furuta. "An Integrated, but not Exact-Representation, Editor/Formatter," in J. C. van Vliet, editor, *Text Processing and Document Manipulation*, Cambridge University Press, pp. 246–259, 1986.

3. Richard Furuta. "Trends in Interactive Preparation of Documents." In *Digest of Papers, Spring COMPCON 87*, San Francisco, pp. 251–254, February 23–27, 1987. (Reprinted as Datapro report E70-200-401, Technical Support, McGraw–Hill, Incorporated, August 1988.)

4. P. David Stotts, Richard Furuta, and Jefferson Ogata, "The Visible Tool Shop: Increasing Programmer Productivity Through Visual Displays," in *Productivity: Progress, Prospects, and Payoff*. Twenty-Seventh Annual Technical Symposium of the Washington, D.C. Chapter of the Association for Computing Machinery, pp. 77–83, June 9, 1988.

5. Richard Furuta and P. David Stotts, "Specifying Structured Document Transformations," In J. C. van Vliet, editor, *Document Manipulation and Typography*, Cambridge University Press, pp. 109–120, 1988.(Earlier version issued as a technical report entry 5.)

6. P. David Stotts and Richard Furuta, "Adding Browsing Semantics to the Hypertext Model," *Proceedings*

of the ACM Conference on Document Processing Systems (December 5–9, 1988, Santa Fe, New Mexico). ACM, New York, pp. 43–50, 1988.

7. Richard Furuta and P. David Stotts, "Object Structures in Paper Documents and Hypertexts," *BIGRE* No. 63–64, pp. 147–151, May 1989. Proceedings of WOODMAN '89: Workshop on Object-Oriented Document Manipulation, Rennes, France, May 29–31, 1989.

8. P. David Stotts and Richard Furuta, "Access Control and Verification in Petri-Net-Based Hyperdocuments," in *COMPASS '89, Systems Integrity, Software Safety and Process Security: Proceedings of the Fourth Annual Conference on Computer Assurance* (Gaithersburg, MD, June 19–23, 1989), IEEE, Washington Section, pp. 49–55, 1989.

9. P. David Stotts and Richard Furuta, "αTrellis: A System for Writing and Browsing Petri-Net-Based Hypertext," *Proceedings of the Tenth International Conference on Application and Theory of Petri Nets*, Bonn, W. Germany, pp. 312–328, June 1989. (Later issued as a book chapter, entry 10. Also available in technical report form, see entry 12).

10. Richard Furuta and P. David Stotts, "Separating Hypertext Content from Structure in Trellis," *Hypertext 2*, University of York, June 29th and 30th, 1989. (See also technical report entry 8. Later issued as a book chapter, entry 8.)

11. P. David Stotts and Richard Furuta, "Alphα: An Authoring Language for Petri-Net-Based Hypertext," *Hypertext 2*, University of York, June 29th and 30th, 1989.

12. Richard Furuta and P. David Stotts, "Programmable Browsing Semantics in Trellis," *Hypertext '89 Proceedings* (November 5–8, 1989, Pittsburgh, PA), Association for Computing Machinery, pp. 27–42, 1989. (Also listed as Technical Report entry 11.)

13. Richard Furuta and P. David Stotts, "The Trellis Hypertext Reference Model," in Judi Moline, Dan Benigni, and Jean Baronas, editors, *Proceedings of the Hypertext Standardization Workshop*, NIST Special Publication 500-178, National Institute of Standards and Technology, Gaithersburg, MD, pp. 83–93, February 1990. (Workshop held January 16–18, 1990.) Also listed as Technical Report entry 16.)

14. P. David Stotts and Richard Furuta, "Hierarchy, Composition, Scripting Languages, and Translators for Structured Hypertext," in A. Rizk, N. Streitz, and J. André, editors, *Hypertexts: Concepts, Systems, and Applications* (Proceedings of the European Conference on Hypertext), Cambridge University Press, pp. 180–193, November 1990.(Revised version of technical report entry 19.)

15. P. David Stotts and Richard Furuta, "Dynamic Adaptation of Hypertext Structure." *Third ACM Conference on Hypertext Proceedings* (December 15–18, 1991, San Antonio, Texas), ACM, New York, pp. 219–231, 1991. (Also listed as Technical Report entry 24.)

16. Richard Furuta, P. David Stotts, and Gregory D. Drew, "Experiences with a Client-Server-based Architecture for a Distributed Structured Hypertext System," in C. Vanoirbeek and G. Coray, editors, *EP92: Proceedings of Electronic Publishing, 1992* (April 8–10, 1992, Lausanne, Switzerland), Cambridge University Press, pp. 113–125, 1992. (An earlier version is listed as Technical Report entry 25.)

17. P. David Stotts, Richard Furuta, and J. Cyrano Ruiz, "Hyperdocuments as Automata: Trace-based Browsing Property Verification," in D. Lucarella, J. Nanard, M. Nanard, and P. Paolini, editors, *Proceedings of the ACM Conference on Hypertext (ECHT '92)*, (November 30–December 4, 1992, Milan, Italy), ACM Press, pp. 272–281, 1992.(Also listed as Technical Report entry 27.)

18. P. D. Stotts and R. Furuta, "The Trellis Project: Process modeling for CSCW," *Proceedings of the Workshop on CSCW: Petri nets and related formalisms*, Chicago, pp. 1–12, June 22, 1993. (Also listed as Technical Report entry 30.)

19. S. Augustine Su and Richard Furuta. "The Virtual Panel Architecture: A 3D Gesture Framework." *IEEE Virtual Reality Annual International Symposium, VRAIS'93*, Seattle, Washington, pp. 387–393,

September 18–22, 1993. (Also listed as Technical Report entry 29.)

20. David S. Doermann and Richard Furuta, "Image Based Typographic Analysis of Documents," in *Proceedings of the Second International Conference on Document Analysis and Recognition*, ICDAR 93, Tsukuba, Japan, October 20–22, 1993, pp. 769–773. (Also listed as Technical Report entry 31.)

21. P. David Stotts and Richard Furuta, "Process models as multi-reader collaborative hyperdocuments," *Software Process Workshop, 1994. Proceedings., Ninth International*, IEEE, 1994, pp. 85–89.

22. John L. Schnase, John J. Leggett, Edward S. Metcalfe, Nancy R. Morin, Edward L. Cunnius, Jonathan S. Turner, Richard K. Furuta, Leland Ellis, Michael Pilant, Richard E. Ewing, Scott W. Hassan, and Mark Frisse. "The CoLib Project: Enabling Digital Botany for the 21st Century," in John L. Schnase, John J. Leggett, Richard K. Furuta, and Ted Metcalfe, editors, *Proceedings of Digital Libraries '94: The First Annual Conference on the Theory and Practice of Digital Libraries*, Hypermedia Research Laboratory, Texas A&M University, 1994, pp. 108–118.

23. Richard Furuta. "Defining and Using Structure in Digital Documents," in John L. Schnase, John J. Leggett, Richard K. Furuta, and Ted Metcalfe, editors, *Proceedings of Digital Libraries '94: The First Annual Conference on the Theory and Practice of Digital Libraries*, Hypermedia Research Laboratory, Texas A&M University, 1994, pp. 139–145.

24. S. Augustine Su and Richard Furuta. "A Logical Hand Device in Virtual Environments," in Gurminder Singh, Steven K. Feiner, and Daniel Thalmann, editors, *Virtual Reality Software & Technology: Proceedings of the VRST '94 conference*, August 23–26, 1994, Singapore, World Scientific, 1994, pp. 33–42. (Also listed as Technical Report entry number 32.)

25. Richard Furuta and P. David Stotts. "Interpreted Collaboration Protocols and their use in Groupware Prototyping," in Richard Furuta and Christine Neuwirth, editors. *Proceedings, ACM 1994 Conference on Computer Supported Cooperative Work*, October 22–26, 1994, Chapel Hill, North Carolina, ACM Press, 1994, pp. 121–132.

26. S. Augustine Su and Richard Furuta. "A Specification of 3D Manipulations in Virtual Environments," in *ISMCR '94: Topical Workshop on Virtual Reality; Proceedings of the Fourth International Symposium on Measurement and Control in Robotics*, November 30–December 3, 1994, Houston, Texas, pp. 64–68.

27. Richard Furuta, Jaime Navon, and P. David Stotts. "Subdocument Invocation Semantics in Collaborative Hyperdocuments." *Proceedings of the Fourth Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises*, April 20-22, 1995, pp. 138–146.

28. Richard Furuta and Catherine C. Marshall. "Genre as Reflection of Technology in the World-Wide Web." *Proceedings of the International Workshop on Hypermedia Design, 1995*, LIRMM RR 95028, pp. 203-214.

29. Peter J. Nürnberg, Richard Furuta, John J. Leggett, Catherine C. Marshall, Frank M. Shipman III. "Digital Libraries: Issues and Architectures." Digital Libraries '95 Proceedings, 1995, pp. 147–153.

30. B. Ladd, M. Capps., D. Stotts, and R. Furuta, "Multi-head/Multi-tail Mosaic: Adding Parallel Automata Semantics to the Web," In *Proceedings of the 4th WWW Conference (WWW Journal, O'Reilly and Associates Inc., vol 1)*, Boston, December 11–14, 1995, pp. 433–440. Also on-line at http://www.w3.org/pub/Conferences/WWW4/Papers/118/.

31. Richard Furuta, Catherine C. Marshall, Frank M. Shipman III, and Leggett, John J. "Physical Objects in the Digital Library." *Proceedings of the First ACM International Conference on Digital Libraries*, 1996, pp. 109–115.

32. Frank M. Shipman III, Catherine C. Marshall, Richard Furuta, Donald A. Brenner, Hao-wei Hsieh, and Vijay Kumar. "Creating Educational Guided Paths over the World-Wide Web," *Educational Telecommunications, 1996: Proceedings of ED-TELECOM 96*, June 1996, pp. 326–331.

33. Vijay Kumar, Richard Furuta, and Allen, Robert B., "Interactive Interfaces for Knowledge-Rich Domains," *EP'96: Proceedings of the Sixth International Conference on Electronic Publishing, Document Manipulation, and Typography*, September 1996, pp. 235–246.

34. Frank M. Shipman, Richard Furuta, and Catherine C. Marshall, "Generating Web-based Presentations in Spatial Hypertext," *1997 International Conference on Intelligent User Interfaces*, (ACM conference), January 6–9, 1997, pp. 71–78.

35. Richard Furuta, Frank M. Shipman III, Catherine C. Marshall, Donald Brenner, and Hao-wei Hsieh, "Hypertext Paths and the World-Wide Web: Experiences with Walden's Paths," *Hypertext '97: the Eighth ACM Conference on Hypertext*, Southampton, U.K., April 6–11 1997, pp. 167–176. [Nominated by the program committee as one of the three best papers submitted to the conference.]

36. S. Augustine Su, Shueh-Cheng Hu, and Richard Furuta, "VRML-based 3D Topographic Maps: Enhancing Educational Applications." *Educational Multimedia/Hypermedia and Telecommunications, 1997 (Volume II)*, Ed-Media/Ed-Telecom 97, Calgary, Canada, June 14–19, 1997, pp. 1014–1019.

37. Erich R. Schneider, John J. Leggett, Richard K. Furuta, Hugh D. Wilson, and Stephan L. Hatch, "WWW Tools for Accessing Botanical Collections." *Proceedings of WebNet 97—World Conference of the WWW, Internet & Intranet*, Toronto, Canada, November 1–November 5, 1997, pp. 449–454. [Recipient of one of two "best student paper" awards.]

38. S. Augustine Su, Shueh-Cheng Hu, and Richard Furuta, "A 3D Topographic Map Viewer for the USA," *Proceedings of WebNet 97—World Conference of the WWW, Internet & Intranet*, Toronto, Canada, November 1–November 5, 1997, pp. 528–533.

39. Shueh-Cheng Hu and Richard Furuta, "A Tool for Maintaining Multi-variant Hypertext Documents," in Roger D. Hersch, Jacques André, and Heather Brown, editors *Electronic Publishing, Artistic Imaging, and Digital Typography (7th International conference on Electronic Publishing, EP'98, held jointly with the 4th International Conference on Raster Imaging and Digital Typography, RIDT'98, St. Malo, France, March/April 1998, Proceedings)* Springer, 1998 (Lecture Notes in Computer Science #1375), pp. 525-536.

40. Augustine Su and Richard Furuta, "VRML-based Representations of ASL fingerspelling on the World Wide Web", *ACM SIGCAPH Conference on Assistive Technologies: Proceedings of the Third International ACM Conference on Assistive Technologies*, Marina del Rey, CA, April 15–17, 1998, pp, 43-45.

41. Frank M. Shipman III, Richard Furuta, Donald Brenner, Chung-Chi Chung, and Hao-wei Hsieh, "Using Paths in the Classroom: Experiences and Adaptations," *Hypertext '98: The Proceedings of the Ninth ACM Conference on Hypertext and Hypermedia*, June 1998, pp. 267-276.

42. Vijay Kumar, Richard Furuta and Robert B. Allen, "Metadata Visualization for Digital Libraries: Interactive Timeline Editing and Review," *Digital Libraries '98: The Third ACM Conference on Digital Libraries*, June 1998, pp. 126–133.

43. Erich R. Schneider, John J. Leggett, Richard Furuta, Hugh D. Wilson, and Stephan L. Hatch, "Herbarium Specimen Browser: A Tool for Accessing Botanical Specimen Collections," *Digital Libraries '98: The Third ACM Conference on Digital Libraries*, June 1998, pp. 227-234.

44. Vijay Kumar and Richard Furuta, "Visualization of Relationships," *Hypertext '99*, February 1999, pp. 137–138.

45. Eduardo Urbina, Richard Furuta, and Shueh-Cheng Hu, "Otra manera de editar el *Quijote*: la edición virtual variorum del *Proyecto Cervantes*." IX Coloquio Internacional de la Asociación de Cervantistas, Villanueva de los Infantes (Spain). May 1999. Appeared in *Anales Cervantinos*, Tomo XXXV, 1999, pp. 585–598.

46. Frank M. Shipman III, Richard Furuta, Haowei Hsieh, Luis Francisco-Revilla, Unmil Karadkar, Abhijit

Rele, Gurudatta V. Shenoy, and Donald A. Brenner, "Using the Internet in the Classroom: Variety in the Use of Walden's Paths," *Proceedings of ED-MEDIA 99: World Conference on Educational Multimedia, Hypermedia, and Telecommunications*, June 1999, pp. 335–340.

47. Richard Furuta, Frank M. Shipman III, Luis Francisco-Revilla, Haowei Hsieh, Unmil Karadkar, and Shueh-Cheng Hu, "Ephemeral Paths on the WWW: The Walden's Paths Lightweight Path Mechanism," *Proceedings of WebNet 99—World Conference on the WWW and Internet*, October 24-30, 1999, pp. 409-414.

48. Jin-Cheon Na and Richard Furuta, "Context-Aware Hypermedia in a Dynamically Changing Environment Supported by a High-Level Petri-Net," *ACM Hypertext 2000*, San Antonio, TX, May 30–June 4, 2000, pp. 222–223.

49. Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, and Frank M. Shipman III, "Structuring Access to a Dynamic Collection of Digital Documents: The Walden's Paths Virtual Directories," Digital Documents and Electronic Publishing (DDEP00), Munich, September 13–15, 2000. Published as *Digital Documents: Systems and Practices*, LNCS 2023, Springer, 2004, pp. 91–103.

50. Jin-Cheon Na and Richard Furuta, "Context-Aware Digital Documents Described in a High-Level Petri-Net-Based Hypermedia System," Digital Documents and Electronic Publishing (DDEP00), Munich, September 13–15, 2000. Published as *Digital Documents: Systems and Practices*, LNCS 2023, Springer, 2004, pp. 13–27.

51. Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, Haowei Hsieh, and Frank M. Shipman III, "Evolution of the Walden's Paths Authoring Tools," *Proceedings of WebNet 2000–World Conference on the WWW and Internet*, San Antonio, TX, October 30–November 4, 2000, pp. 299-304.

52. Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, and Frank M. Shipman III, Arora, Avital. "Supporting Multilingual Paths over the WWW," *Proceedings of the 3rd International Conference of Asian Digital Libraries*, Seoul, Korea, December 6–8, 2000, pp. 177-184.

53. Michael Bieber, Douglas Engelbart, Richard Furuta, Star Roxanne Hiltz, John Noll, Jennifer Preece, Edward Stohr, Murray Turoff, and Bartel Van De Walle, "Virtual Community Knowledge Evolution," *Proceedings of the 34th Hawaii International Conference on Systems Sciences* (Community Informatics Minitrack), IEEE Computer Society Press (CD-ROM), Los Alamitos, CA, (Maui, January 3-6, 2001).

54. Luis Francisco-Revilla, Frank Shipman, Richard Furuta, Unmil Karadkar, and Avital Arora, "Managing Change on the Web," *Proceedings of the First ACM/IEEE-CS Joint Conference on Digital Libraries*, Roanoke, VA, June 24–28, 2001, pp. 67–76.

55. Richard Furuta, Shueh-Cheng Hu, Siddarth Kalaspur, Rajiv Kochumman, Eduardo Urbina, and Ricardo Vivancos-Pérez, "Towards an Electronic Variorum Edition of *Don Quixote*," *Proceedings of the First ACM/IEEE-CS Joint Conference on Digital Libraries*, Roanoke, VA, June 24–28, 2001, pp. 444–445.

56. Luis Francisco-Revilla, Frank M. Shipman III, Richard Furuta, Unmil Karadkar, and Avital Arora, "Perception of Content, Structure, and Presentation Changes in Web-based Hypertext," *Hypertext '01: Proceedings of the Twelfth ACM Conference on Hypertext and Hypermedia*, pp. 205–214, August 2001.

57. Richard Furuta, Siddarth S. Kalasapur, Rajiv Kochumman, Eduardo Urbina, and Ricardo Vivancos-Pérez, "The Cervantes Project: Steps to a Customizable and Interlinked On-line Electronic Varorium Edition Supporting Scholarship," in Panos Constantopoulos and Ingeborg T. Sølvberg, Editors, *Research and Advanced Technology for Digital Libraries: 5th European Conference, ECDL 2001*, Darmstadt, Germany, September 2001, LNCS 2163, Springer, pp. 71–82.

58. Jin-Cheon Na and Richard Furuta, "Dynamic Documents: Authoring, Browsing, and Analysis Using a High-Level Petri Net-Based Hypermedia System," *Proceedings of the ACM Symposium on Document Engineering (DocEng '01)*, November 9–10, 2001, Atlanta, GA, pp. 38–47.

59. Richard Furuta and Jin-Cheon Na. "Applying Programmable Browsing Semantics Within the Context of the World-Wide Web." *Proceedings of Hypertext '02*, ACM Press, June 11–15, 2002, pp. 23–24.

60. Richard Furuta and Eduardo Urbina. "On the Characteristics of Scholarly Annotations." *Proceedings of Hypertext '02*, ACM Press, June 11–15, 2002, pp. 78–79.

61. Carlos Monroy, Rajiv Kochumman, Richard Furuta, and Eduardo Urbina. "Interactive Time-line Viewer (ItLv): A Tool to Visualize Variants Among Documents," JCDL Workshop on Visual Interfaces to Digital Libraries 2002, July 2002. Workshop proceedings available on-line at `http://vw.indiana.edu/visual02/jcdl.html`. (Extended version accepted to appear as a book chapter. See book chapter entry 14.)

62. Rajiv Kochumman, Carlos Monroy, Richard Furuta, Arpita Goenka, Eduardo Urbina, and Erendira Melgoza. "Towards an Electronic Variorum Edition of Cervantes' *Don Quixote*: Visualizations that support preparation," in *Proceedings of the Second ACM/IEEE-CS Joint Conference on Digital Libraries*, ACM Press, 2002, pp. 199–200.

63. Unmil P. Karadkar, Jin-Cheon Na, and Richard Furuta. "Employing Smart Browsers to Support Flexible Information Presentation in Petri net-based Digital Libraries," in *Research and Advanced Technology for Digital Libraries: 6th European Conference, ECDL 2002, Proceedings*, Lecture Notes in Computer Science (LNCS) 2458, Springer, 2002, pp. 324–337.

64. Carlos Monroy, Rajiv Kochumman, Richard Furuta, Eduardo Urbina, Eréndira Melgoza, and Arpita Goenka. "Visualization of Variants in Textual Collations to Analyze the Evolution of Literary Works in The Cervantes Project," in *Research and Advanced Technology for Digital Libraries: 6th European Conference, ECDL 2002, Proceedings*, Lecture Notes in Computer Science (LNCS) 2458, Springer, 2002, pp. 638–653.

65. Richard Furuta and Jin-Cheon Na. "Applying caT's Programmable Browsing Semantics to Specify World-Wide Web Documents that Reflect Place, Time, Reader, and Community," *Proceedings of the 2002 ACM Symposium on Document Engineering*, McLean Virginia, November 8–9, 2002, ACM Press, pp. 10–17.

66. Unmil Karadkar, Jin-Cheon Na, and Richard Furuta. "A Framework for Flexible Information Presentation in Digital Collections," *Digital Libraries: People, Knowledge, and Technology (5th International Conference on Asian Digital Libraries, ICADL 2002*, Lecture Notes in Computer Science LNCS 2555, Springer, 2002, pp. 467-468.

67. Carlos Monroy, Richard Furuta, and Enrique Mallen. "Visualizing and Exploring Picasso's World." *Proceedings of the Third ACM/IEEE-CS Joint Conference on Digital Libraries*, 2003, pp. 173-175.

68. Unmil P. Karadkar, Andruid Kerne, Richard Furuta, Luis Francisco-Revilla, Frank Shipman, and Jin Wang. "Connecting Interface Metaphors to Support Creation of Path-Based Collections," *Research and Advanced Technology for Digital Libraries: 7th European Conference, ECDL 2003, Proceedings*, Lecture Notes in Computer Science LNCS 2769, Springer, 2003, pp. 338–349. Trondheim, Norway.

69. Pratik Dave, Unmil P. Karadkar, Richard Furuta, Luis Francisco-Revilla, Frank Shipman, Suvendu Dash, and Zubin Dalal. "Browsing Intricately Interconnected Paths," *HyperText 03: The fourteenth ACM conference on hypertext and hypermedia*, ACM Press, 2003, pp. 95–103.

70. Avital Arora, Emily Barker, Unmil P. Karadkar, Pratik Dave, Luis Francisco-Revilla, Richard Furuta, Frank Shipman, Suvendu Dash, and Zubin Dalal. "The Walden's Paths Quiz Engine," *Proceedings of E-Learn 2003: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*, AACE, 2003, pp. 2052-2059.

71. Michelle Chang, John J. Leggett, Richard Furuta, Andruid Kerne, J. Patrick Williams, Samuel A. Burns, and Randolph G. Bias. "Collection Understanding," *JCDL 2004: Proceedings of the Fourth ACM/IEEE*

Joint Conference on Digital Libraries, Tucson, AZ, June 7–11, 2004, pp. 334–341.

72. Zubin Dalal, Suvendu Dash, Pratik Dave, Luis Francisco-Revilla, Richard Furuta, Unmil Karadkar, and Frank Shipman. "Managing Distributed Collections: Evaluating Web Page Changes, Movement, and Replacement," *JCDL 2004: Proceedings of the Fourth ACM/IEEE Joint Conference on Digital Libraries*, Tucson, AZ, June 7–11, 2004, pp. 160–168.

73. Rajiv Kochumman, Carlos Monroy, Jie Deng, Richard Furuta, and Eduardo Urbina. "Tools for a New Generation of Scholarly Edition Unified by a TEI-based Interchange Format," *JCDL 2004: Proceedings of the Fourth ACM/IEEE Joint Conference on Digital Libraries*, Tucson, AZ, June 7–11, 2004, pp. 368–369.

74. David Stotts and Richard Furuta, "Language-Theoretical Classification of Hypermedia Paths," *Hypertext 2004: Proceedings of the Fifteenth ACM Conference on Hypertext and Hypermedia,* Santa Cruz, CA, August 9–13, 2004, pp. 40–41.

75. Unmil P. Karadkar, Richard Furuta, Selen Ustun, YoungJoo Park, Jin-Cheon Na, Vivek Gupta, Tolga Ciftci, and Yungah Park. "Display-agnostic Hypermedia." *Hypertext 2004: Proceedings of the Fifteenth ACM Conference on Hypertext and Hypermedia,* Santa Cruz, CA, August 9–13, 2004, pp. 58–67.

76. Pratik Dave, Paul Logasa Bogen, II, Unmil Karadkar, Luis Francisco-Revilla, Richard Furuta, and Frank Shipman. "Dynamically Growing Hypertext Collections." *Hypertext 2004: Proceedings of the Fifteenth ACM Conference on Hypertext and Hypermedia,* Santa Cruz, CA, August 9–13, 2004, pp. 171–180.

77. Pratik Dave, Luis Francisco-Revilla, Unmil P. Karadkar, Richard Furuta, Frank M. Shipman III, and Paul Logasa Bogan II. "Incorporating Physical and Digital Artifacts into Growing Personal Collections." In Rachel Heery and Liz Lyon, editors, *Research and Advanced Technology for Digital Libraries: 8th European Conference, ECDL 2004*, Lecture Notes in Computer Science, LNCS 3232, Springer, 2004, pp. 341–352.

78. Unmil P. Karadkar, Richard Furuta, Jeevan Joseph John, and Jin-Cheon Na. "Exploring User Perceptions of Digital Image Similarity." *Proceedings of the 5th ACM/IEEE-CS Joint Conference on Digital Libraries,* Denver, CO, June 7–11, 2005, ACM Press, pp. 89–90, 2005.

79. Neal Audenaert, Richard Furuta, Eduardo Urbina, Jie Deng, Carlos Monroy, Rosy Sáenz, and Doris Careaga. "Integrating Collections at the Cervantes Project." *Proceedings of the 5th ACM/IEEE-CS Joint Conference on Digital Libraries,* Denver, CO, June 7–11, 2005, ACM Press, pp. 287–288, 2005.

80. Eduardo Urbina, Richard Furuta, and Steven Escar Smith. "Visual Knowledge: Textual Iconography of the *Quixote*, a Hypertextual Archive." In *Conference Abstracts (2nd Edition), ACH/ALLC 2005*, The Association for Computers and the Humanities and The Association for Literary and Linguistic Computing, 2005, pp. 233–237.

81. Neal Audenaert, Richard Furuta, Eduardo Urbina, Jie Deng, Carlos Monroy, Rosy Sáenz, and Doris Careaga."Integrating Diverse Research in a Digital Library Focused on a Single Author." In Andreas Rauber, Stavros Christodoulakis, and A Min Tjoa, editors, *Research and Advanced Technology for Digital Libraries: 9th European Conference, ECDL 2005, Proceedings*, Vienna, Austria, September 2005, Lecture Notes in Computer Science, LNCS 3652, Springer, 2005, pp. 151-161.

82. Unmil P. Karadkar, Marlo Nordt, Richard Furuta, Cody Lee, and Christopher Quick. "Image-based Evaluation of Video-acquired Research Skills." *Proceedings of the 6th ACM/IEEE-CS Joint Conference on Digital Libraries.* Chapel Hill, NC, June 11–15, 2006. ACM Press, 2006, pp. 200–201.

83. Sarah Davis, Paul Bogen, Lauren Cifuentes, Luis Francisco-Revilla, Richard Furuta, Takeisha Hubbard, Unmil P. Karadkar, Daniel Pogue, and Frank Shipman. "Template-based Authoring of Educational Artifacts." *Proceedings of the 6th ACM/IEEE-CS Joint Conference on Digital Libraries.* Chapel Hill, NC, June 11–15, 2006. ACM Press, 2006, pp. 242-243.

84. Eduardo Urbina, Richard Furuta, Jie Deng, Neal Audenaert, Fernando González, Manas Singh, and Carlos Monroy. "Textual Iconography of the Quixote: A Data Model for Extending the Single-faceted Pictoral Space into a Poly-faceted Semantic Web." Digital Humanities 2006, Alliance of Digital Humanities Organizations, July 5-9, 2006, Paris.

85. Neal Audenaert, Richard Furuta, and Eduardo Urbina. "A General Framework for Feature Identification." Digital Humanities 2006, Alliance of Digital Humanities Organizations, July 5-9, 2006, Paris.

86. Manas Singh, Richard Furuta, Eduardo Urbina, Neal Audenaert, Jie Deng, and Carlos Monroy. "Expanding a Humanities Digital Library: Musical References in Cervantes' Works." *Research and Advanced Technology for Digital Libraries: 10th European Conference, ECDL 2006, Alicante, Spain, September 2006, Proceedings*, LNCS 4172, Springer, pp. 158–169.

87. Unmil Karadkar, Marlo Nordt, Richard Furuta, Cody Lee, and Christopher Quick. "An Exploration of Space-Time Constraints on Contextual Information in Image-based Testing Interfaces." *Research and Advanced Technology for Digital Libraries: 10th European Conference, ECDL 2006, Alicante, Spain, September 2006, Proceedings*, LNCS 4172, Springer, pp. 391–402.

88. Carlos Monroy, Nicholas Parks, Richard Furuta, and Filipe Castro. "The Nautical Archaeology Digital Library." *Research and Advanced Technology for Digital Libraries: 10th European Conference, ECDL 2006, Alicante, Spain, September 2006, Proceedings* (poster track), LNCS 4172, Springer, pp. 544–547. !lat

89. Marlo Nordt, Josh Meisner, Ranjeet Dongaonkar, Christopher Quick, Sarah Gatson, Unmil P. Karadkar, and Richard Furuta. "eBat: A Technology-enriched Life Sciences Research Community." *Proceedings of the 69th ASIS&T Annual Meeting*, Vol. 43 (American Society for Information Science and Technology). Austin, TX, November 3–8, 2006.

90. Fernando González Moreno, Eduardo Urbina, Richard Furuta, and Jie Deng. "Hacia una Historia del *Don Quijote* Ilustrado." *Actas del XVI Congreso Nacional de Historia del Arte: La Multiculturalidad en las Artes y en la Arquitectura.* Las Palmas, November 2006. Las Palmas de Gran Canaria: Gobierno de Canarias-Anroart Ediciones, 2006. Vol. 2, pp. 565–573.

91. Eduardo Urbina, Fernando González Moreno, Richard Furuta, Steven E. Smith, Jie Deng, Stephanie Elmquist, and Sarah Tonner. "Re-imag[en]ing Cervantes' *Don Quixote*: a Multilayered Approach to Editing Visual Materials in a Hypertextual Archive." Conference Abstracts, Digital Humanities 2007 (2nd edition), June 4–8, 2007, Urbana-Champaign, IL, pp. 220–223.

92. Neal Audenaert, Unmil Karadkar, Enrique Mallen, Richard Furuta, and Sarah Tonner. "Viewing Texts: an Art-Centered Representation of Picasso's Writings." Conference Abstracts, Digital Humanities 2007 (2nd edition), June 4–8, 2007, Urbana-Champaign, IL, pp. 14–17.

93. Unmil Karadkar, Neal Audenaert, Adam Mikeal, Scott Phillips, Alexey Maslov, Enrique Mallen, Richard Furuta, and Marlo Nordt. "Relationship Mapping for Art Education and Research." Conference Abstracts, Digital Humanities 2007 (2nd edition), June 4–8, 2007, Urbana-Champaign, IL, pp. 108–110.

94. Carlos Monroy, Richard Furuta, and Filipe Castro. "Ancient Technical Manuscripts: the Case of 17th-century Portuguese Shipbuilding Treatises." Conference Abstracts, Digital Humanities 2007 (2nd edition), June 4–8, 2007, Urbana-Champaign, IL, pp. 67–69.

95. Jie Deng, Richard Furuta, and Eduardo Urbina. "Locating Themaic Pinpoints in Narrative Texts with Short Phrases: A Test Study on *Don Quixote*." Proceedings of the 2007 ACM/IEEE-CS Joint Conference on Digital Libraries, June, 2007, pp. 402–410.

96. Paul Logasa Bogen II, Luis Francisco-Revilla, Richard Furuta, Takeisha Hubbard, Unmil Karadkar, and Frank Shipman. "Longitudinal Study of Changes in Blogs." Proceedings of the 2007 ACM/IEEE-CS Joint Conference on Digital Libraries, June, 2007, pp. 135–146.

97. Carlos Monroy, Richard Furuta, and Gary Stringer. "Digital Donne: Workflow, Editing Tools, and the Reader's Interface of a Collection of 17th-century English Poetry." Proceedings of the 2007 ACM/IEEE-CS Joint Conference on Digital Libraries, June, 2007, pp. 411–412.

98. Carlos Monroy, Richard Furuta, and Filipe Castro. "A Multilingual Approach to Technical Manuscripts: 16th and 17th-century Portuguese Shipbuilding Treatises." Proceedings of the 2007 ACM/IEEE-CS Joint Conference on Digital Libraries, June, 2007, pp. 413–414.

99. Carlos Monroy, Richard Furuta, and Filipe Castro. "Texts, Illustrations, and Physical Objects: The Case of Ancient Shipbuilding Treatises." Research and Advanced Technology for Digital Libraries: 11th European Conference, ECDL 2007, Budapest, Hungary, September 16–21, 2007, Proceedings, pp. 198-209.

100. Paul Logasa Bogen, II, Joshua Johnston, Unmil P. Karadkar, Richard Furuta, and Frank Shipman. "Application of Kalman Filters to Identify Unexpected Change in Blogs." Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital Libraries, 2008, Pittsburgh, PA, June 16–20, 2008, pp. 305–312.

101. Youngjoo Park and Richard Furuta. "Keeping narratives of a desktop to enhance continuity of on-going tasks." Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital Libraries, 2008, Pittsburgh, PA, June 16–20, 2008, pp. 393–398.

102. Neal Audenaert and Richard Furuta. "Annotated Facsimile Editions: Defining Macro-level Structure for Image-Based Electronic Editions." Digital Humanities 2008, pp. 47–49.

103. Neal Audenaert, George Lucchese, Grant Sherrick, and Richard Furuta. "CritSpace: Using Spatial Hypertext to Model Visually Complex Documents." Digital Humanities 2008, pp. 50–53.

104. Luis Meneses, Carlos Monroy, Richard Furuta, and Enrique Mallen. "Picasso's Poetry: The Case of a Bilingual Concordance." Digital Humanities 2008, pp. 157–159.

105. Luis Meneses, Richard Furuta, and Enrique Mallen. "Exploring the Biography and Artworks of Picasso with Interactive Calendars and Timelines." Digital Humanities 2008, pp. 160–163.

106. C. Monroy, R. Furuta, and G. Stringer. "Digital Donne: New Tools for Textual Presentation and Analysis." CaSTA 2008: New Directions in Text Analysis. University of Saskatchewan, Canada, October 16, 2008–October 18, 2008.

107. H. Alhoori, O. Alvarez, R. Furuta, D. Li, and E. Urbina. "Building Digital Communities and Supporting Collboration in a Humanities Digital Library." International Conference of Education, Research and Innovation (ICERI 2008), Madrid, Spain, November 17–19, 2008.

108. E. Urbina, F. González Moreno, R. Furuta, S. Smith, V. Agosto, J. M. Muñiz, and S. Elmquist. "Don Quixote Illustrated: An International Digital Humanities Project." International Conference of Education, Research and Innovation (ICERI 2008), Madrid, Spain, November 17–19, 2008.

109. Neal Audenaert and Richard Furuta. "BiblioMS: A Collaborative, Large-Scale Bibliography Management System." *Digital Humanities 2009, Conference Abstracts*, College Park, MD, June 22-25, 2009, pp. 63–65.

110. Hamed Alhoori, Omar Álvarez, Miguel Muñiz, Richard Furuta, and Eduardo Urbina. "Supporting the Creation of Scholarly Bibliographies by Communities through Social Collaboration." *Digital Humanities 2009, Conference Abstracts*, College Park, MD, June 22-25, 2009, pp. 119–124.

111. Carlos Monroy, Richard Furuta, and Filipe Castro. "Ask Not What Your Text Can Do For You. Ask What You Can Do For Your Text (a Dictionary's Perspective)" [poster]. *Digital Humanities 2009, Conference Abstracts*, College Park, MD, June 22-25, 2009, pp. 344–347.

112. Hamed Alhoori, Omar Álvarez, Richard Furuta, Miguel Muñoz, and Eduardo Urbina. "Supporting the creation of scholarly bibliographies by communities through online reputation-based social collaboration." *Research and Advanced Technology for Digital Libraries: 13th European Conference, ECDL 2009, Corfu, Greece, Proceedings*, Lecture Notes in Computer Science, Springer, 2009. pp. 180–191.

113. Youngjoo Park and Richard Furuta. "Workspace narrative exploration: overcoming interruption-caused context loss in information seeking tasks" [poster]. *Research and Advanced Technology for Digital Libraries: 13th European Conference, ECDL 2009, Corfu, Greece, Proceedings*, Lecture Notes in Computer Science, Springer, 2009. pp. 433-436.

114. Gregory W. Hislop, Peter L. Brusilovsky, Lillian Cassel, Lois M. Delcambre, Edward A. Fox, Richard K. Furuta. "Ensemble: Creating a National Digital Library for Computing Education." Proceedings, 10th ACM SIGITE Conference on Information Technology Education. October, 2009.

115. Neal Audenaert and Richard Furuta. "Visual Editing Tools to Support the Formative Stages of Humanities Research" (poster). 2009 Chicago Colloquium on Digital Humanities and Computer Science.

116. Monika Akbar, Peter Brusilovsky, Lillian Cassel, Steve Carpenter, Yinlin Chen, Lois Delcambre, Steve Edwards, Weiguo Fan, Edward Fox, Richard Furuta, Dan Garcia, Greg Hislop, Maggie Johnson, David Maier, Manuel Perez-Quinones, Steve Seidman, Frank Shipman, Chris Stephenson, Heikki Topi, Bryant York, "ENSEMBLE: Supporting the full range of computing education communities." NSDL Annual Meeting 2009.

117. Edward A. Fox, Lillian N. Cassel, Stephen Edwards, Peter L. Brusilovsky, Stephen Carpenter, Lois Delcambre, Weiguo Fan, Richard Furuta, Frank M. Shipman, Daniel Garcia, Gregory W. Hislop, Margaret Johnson, David Maier, Manuel Perez-Quinones, Stephen Seidman, Christine Stephenson, Heikki Topi, Bryant York, Yinlin Chen, Monika Akbar. "ENSEMBLE: Supporting the Full Range of Computing Education Communities." Reviewed poster for ACM SIGCSE 2010, March 12, Milwaukee.

118. Lillian Cassel, Edward A. Fox, Weiguo Fan, Richard Furuta, Frank Shipman, Daniel D. Garcia, Lois Delcambre, Peter Brusilovsky, Gregory Hislop, and Sridhara Potluri. "Ensemble: Enriching Communities and Collections to Support Education in Computing." CCSCNE 2010. CCSC. April 2010.

119. Gregory W. Hislop, Lillian Cassel, Lois M. Delcambre, Edward A. Fox, Richard K. Furuta, Peter L. Brusilovsky, and Daniel D. Garcia. "Ensemble—The Online Community Center for Computing Educators" (demonstration). CCSCNE 2010 CCSC. April 2010.

120. Carlos Monroy, Richard Furuta, and Filipe Castro. "Using an Ontology and a Multilingual Glossary for Enhancing the Nautical Archaeology Digital Library." Proceedings of the 10th Annual Joint Conference on Digital Libraries (JCDL 2010). pp. 259-262.

121. Neal Audenaert and Richard Furuta. "What Humanists Want: How Scholars Use Primary Source Documents." Proceedings of the 10th Annual Joint Conference on Digital Libraries (JCDL 2010). pp. 283-292.

122. Edward Fox, Yinlin Chen, Monika Akbar, Clifford Shaffer, Stephen Edwards, Peter Brusilovsky, Dan Garcia, Lois Delcambre, Felicia Decker, David Archer, Richard Furuta, Frank Shipman, Stephen Carpenter, and Lillian Cassel. "Ensemble PDP-8: Eight Principles for Distributed Portals." Proceedings of the 10th Annual Joint Conference on Digital Libraries (JCDL 2010). pp. 341-344.

123. Lillian N. Cassel, Edward A. Fox, Richard Furuta, and Lois M. L. Delcambre. "Many-to-many information connection connections in a distributed digital library portal" (poster). Proceedings of the 10th Annual Joint Conference on Digital Libraries (JCDL 2010). pp. 369-370.

124. B. Stephen Carpenter, II, Richard Furuta, Frank Shipman, Allison Huie, Daniel Pogue, Edward A. Fox, Spencer Lee, Peter Brusilovsky, Lillian Cassel, and Lois Delcambre. "Multiple sources with multiple portals: a demonstration of the Ensemble computing portal in Second Life" (demonstration). Proceedings of the 10th Annual Joint Conference on Digital Libraries (JCDL 2010). pp. 397-398.

125. Yungah Park, Unmil Karadkar and Richard Furuta. "Component-based Authoring of Complex, Petri net-based Digital Library Infrastructure." *Research and Advanced Technology for Digital Libraries (ECDL 2010 Proceedings)*, Lecture Notes in Computer Science, Volume 6273, Springer, 2010, pp. 22–29.

126. Peter Brusilovsky, Lillian Cassel, Lois Delcambre, Edward Fox, Richard Furuta, Dan Garcia, Frank Shipman and Michael Yudelson. "Enhancing Digital Libraries with Social Navigation The Case of Ensemble." *Research and Advanced Technology for Digital Libraries (ECDL 2010 Proceedings)*, Lecture Notes in Computer Science, Volume 6273, Springer, 2010, pp. 116–123.

127. Neal Audenaert, George Lucchese, and Richard Furuta. "CritSpace: A Workspace for Critical Engagement within Cultural Heritage Digital Libraries," *Research and Advanced Technology for Digital Libraries (ECDL 2010 Proceedings)*, Lecture Notes in Computer Science, Volume 6273, Springer, 2010, pp. 307–314.

128. Frank Shipman, Richard Furuta, Stephen Carpenter, Lillian Cassel, Ed Fox, Lois Delcambre, Peter Brusilovsky, Gregory Hislop, Stephen Edwards, and Daniel Garcia. "Ensemble: A Distributed Portal for the Distributed Community of Computing Education" (poster). *Research and Advanced Technology for Digital Libraries (ECDL 2010 Proceedings)*, Lecture Notes in Computer Science, Volume 6273, Springer, 2010, pp. 506–509.

129. Victor E. Agosto, Eduardo Urbina, Fernando González Moreno, Richard Furuta. "TEI Encoding in Conjunction with MYSQL, JavaScript, and HTML to create a Visual Variorum Edition of *Don Quixote*." ICERI 2010: International Conference of Education, Research, and Innovation. November 15–17, 2010, Madrid, Spain.

130. Paul Logasa Bogen, II and Richard Furuta. "Ember: A Case Study of a Digital Memorial Museum of Born-Digital Artifacts." *Proceedings of the 11th annual International ACM/IEEE Joint Conference on Digital Libraries (JCDL 2011)*. June 13–17, 2011. pp. 77–80.

131. Paul Logasa Bogen, II, Frank Shipman, and Richard Furuta. "An Analysis of Personal Collections among Users of Social Media." *Proceedings of the 11th annual International ACM/IEEE Joint Conference on Digital Libraries (JCDL 2011)*. June 13–17, 2011. pp. 417–418 (poster).

132. Paul Logasa Bogen II, Daniel Pogue, Faryaneh Poursardar, Yuangling Li, Richard Furuta, and Frank Shipman. "WPv4: A Re-imagined Waldens Paths to Support Diverse User Communities." *Proceedings of the 11th annual International ACM/IEEE Joint Conference on Digital Libraries (JCDL 2011)*. June 13–17, 2011. pp. 419–420 (poster).

133. Monika Akbar, Weiguo Fan, Clifford A. Shaffer, Yinlin Chen, Lillian Cassel, Lois Delcambre, Daniel D. Garcia, Gregory W. Hislop, Frank Shipman, Richard Furuta, B. Stephen Carpenter, Haowei Hsieh, Bob Siegfried and Edward A. Fox. "Digital Library 2.0 for Educational Resources." In *Research and Advanced Technology for Digital Libraries Lecture Notes in Computer Science*, Volume 6966/2011, (Proceedings of TPDL 2011, Theory and Practice of Digital Libraries) 2011, pp. 89-100.

134. Paul Bogen, Daniel Pogue, Faryaneh Poursardar, Yuangling Li, Frank Shipman and Richard Furuta. "WPv4: Re-imagining Waldens Paths to Support Diverse User Communities." In *Research and Advanced Technology for Digital Libraries Lecture Notes in Computer Science*, Volume 6966/2011, (Proceedings of TPDL 2011, Theory and Practice of Digital Libraries) 2011, pp. 159-168.

135. Hamed Alhoori and Richard Furuta. "Understanding the dynamic scholarly research needs and behavior as applied to social reference management." In *Research and Advanced Technology for Digital Libraries Lecture Notes in Computer Science*, Volume 6966/2011, (Proceedings of TPDL 2011, Theory and Practice of Digital Libraries) 2011, pp. 169-178.

136. L. Meneses and R. Furuta, "P.R.I.M.E.: Developing Concepts Inherited from Printed Materials," in *Beyond Accessibility: Textual Studies in the Twenty-first Century*, University of Victoria, Victoria BC, Canada, 2012.

137. Paul L. Bogen, Richard Furuta, and Frank Shipman. "A quantitative evaluation of techniques for detection of abnormal change events in blogs," in *JCDL '12 Proceedings of the 12th ACM/IEEE-CS joint conference on Digital Libraries*, 2012, pp. 157-166.

138. Scott Britell, Lois Delcambre, Lillian Cassel, Edward Fox, and Richard Furuta. "Exploiting canonical structures to transmit complex objects from a digital library to a portal," in *JCDL '12 Proceedings of the 12th ACM/IEEE-CS joint conference on Digital Libraries*, 2012, pp. 377-378 (poster).

139. Luis Meneses, Richard Furuta, and Frank Shipman. "Identifying 'Soft 404' Error Pages: Analyzing the Lexical Signatures of Documents in Distributed Collections," in *Theory and Practice of Digital Libraries: Second International Conference, TPDL 2012*, Lecture Notes in Computer Science 7489, Springer, 2012. pp. 197-208.

140. Scott Britell, Lols M. L. Delcambre, Lillian N. Cassel, Edward Fox, and Richard Furuta. "Enhancing Digital Libraries and Portals with Canonical Structures for Complex Objects," in *Theory and Practice of Digital Libraries: Second International Conference, TPDL 2012*, Lecture Notes in Computer Science 7489, Springer, 2012. pp. 420-425.

141. Yuanling Li, Paul Logasa Bogen II, Daniel Pogue, Richard Furuta, and Frank Shipman. "Collaborative Authoring of Walden's Paths," in *Theory and Practice of Digital Libraries: Second International Conference, TPDL 2012*, Lecture Notes in Computer Science 7489, Springer, 2012. pp. 461-467.

142. Luis Meneses, Richard Furuta, and Laura Mandell. "Ambiances: A Framework to Write and Visualize Poetry." *Digital Humanities 2013 Conference Abstracts*, Lincoln, NE, July 2013.

143. Hamed M. Alhoori and Richard Furuta. "Identifying the Real-time Impact of the Digital Humanities using Social Media Measures." *Digital Humanities 2013 Conference Abstracts*, Lincoln, NE, July 2013.

144. Scott Britell, Lois Delcambre, Lillian Cassel, and Richard Furuta. "Checking Out: Download and Digital Library Exchange for Complex Objects." *Research and Advanced Technology for Digital Libraries: International Conference on Theory and Practice of Digital Libraries, TPDL 2013*, Lecture Notes in Computer Science Volume 8092, Springer, 2013, pp. 48-59.

145. Hamed Alhoori and Richard Furuta. "Can Social Reference Management Systems Predict a Ranking of Scholarly Venues?" *Research and Advanced Technology for Digital Libraries: International Conference on Theory and Practice of Digital Libraries, TPDL 2013*, Lecture Notes in Computer Science Volume 8092, Springer, 2013, pp. 138-143.

146. Luis Meneses, Himanshu Barthwal, Sanjeev Singh, Richard Furuta and Frank Shipman. "Restoring Semantically Incomplete Document Collections Using Lexical Signatures." *Research and Advanced Technology for Digital Libraries: International Conference on Theory and Practice of Digital Libraries, TPDL 2013*, Lecture Notes in Computer Science Volume 8092, Springer, 2013, pp. 321-332.

147. Peter Brusilovsky, Yiling Lin, Chirayu Wongchokprasitti, Scott Britell, Lois Delcambre, Richard Furuta, Kartheek Chiluka, Lilian Cassel and Ed Fox. "Social Navigation Support for Groups in a Community-Based Educational Portal." (Poster) *Research and Advanced Technology for Digital Libraries: International Conference on Theory and Practice of Digital Libraries, TPDL 2013*, Lecture Notes in Computer Science Volume 8092, Springer, 2013, pp. 429-433.

148. Hamed Alhoori, Carole Thompson, Richard Furuta, John Impagliazzo, Edward Fox, Mohammed Samaka, and Somaya Al-Máadeed. "The Evolution of Scholarly Digital Library Needs in an International Environment: Social Reference Management Systems and Qatar." (Poster) In Shalini R. Urs, Jin-Cheon Na, George Buchanan (Eds.): Digital Libraries: Social Media and Community Networks - 15th

International Conference on Asia-Pacific Digital Libraries, ICADL 2013, Bangalore, India, December 9-11, 2013. Proceedings. Springer 2013 Lecture Notes in Computer Science ISBN 978-3-319-03598-7, pp. 180-181.

149. Gaurav Kejriwal, Ryan Olivieri, and Richard Furuta. "Aiding Modern Textual Scholarship using a Virtual Hinman Collator." *Digital Humanities 2014* (full paper), Lausanne, Switzerland, July 8–12, 2014, pp. 228–231.

150. Hamed Alhoori and Richard Furuta. "Do Altmetrics Follow the Crowd or Does the Crowd Follow Altmetrics?" *Proceedings of Digital Libraries 2014*.

151. Hamed Alhoori, Richard Furuta, Myrna Tabet, Mohammed Samaka, and Edward A. Fox. "Altmetrics for Country-Level Research Assessment." *The Emergence of Digital Libraries Research and Practices 16th International Conference on Asia-Pacific Digital Libraries, ICADL 2014*, Springer, pp. 59-64.

152. Anshul Gupta, Ricardo Guiterrez-Osuna, Matthew Christy, Boris Capitanu, Loretta Auvil, Liz Grumbach, Richard Furuta, and Laura Mandell, "Automatic Assessment of OCR Quality in Historical Documents," Twenty-Ninth AAAI Conference on Artificial Intelligence/Twenty-Seventh Conference on Innovative Applications of Artificial Intelligence, January 25–30, 2015, Austin, TX.

153. Luis Meneses, Laura Estill, and Richard Furuta, "Digital Acting Parts: Learning and Understanding Shakespeare's Plays," Joint CSDH/SCHN and ACH Conference 2015, June 1–3, 2015, Ottawa, Canada.

154. Anwesha Bhattacharya, Richard Furuta, and Filipe Castro, "The Astrolabe Project," Joint CSDH/SCHN and ACH Conference 2015, June 1–3, 2015, Ottawa, Canada.

155. Luis Meneses, Sampath Jayarathna, Richard Furuta, and Frank M. Shipman, "Grading Degradation in an Institutionally Managed Repository," Web Archiving and Digital Libraries 2015 (workshop), Knoxville, TN, 2015.

156. H. Alhoori, R. Furuta , S. Choudhury, T. Kanan, M. Tabet, M. Samaka, E. Fox, and C.L. Giles "Mining Altmetrics at Different Levels," in Metrics 2015: Workshop on Informetric and Scientometric Research, 2015 Annual Meeting of the Association for Information Science and Technology. (poster)

157. H. Alhoori, S. Choudhury, T. Kanan, R. Furuta, E. Fox, and C.L. Giles "On the Relationship between Open Access and Altmetrics," in Proceedings of the iConference 2015.

158. L. Meneses, L. Estill and R. Furuta, " 'This was my speech, and I will speak it again': Topic Modeling in Shakespeare's Plays," Joint CSDH/SCHN & ACH Digital Humanities Conference 2016, Calgary, Canada, 30 May-1 June 2016.

159. L. Meneses, R. Furuta, and F. M. Shipman, "Evaluating Unexpected Change in a Distributed Collection," Web Archiving and Digital Libraries (Workshop) 2016.

160. L. Meneses, S. Jayarathna, R. Furuta, and F. Shipman, "Analyzing the Perceptions of Change in a Distributed Collection of Web Documents," in Proceedings of the 27th ACM Conference on Hypertext and Social Media, Halifax, Nova Scotia, Canada, 2016, pp. 273-278.

161. L. Meneses, A. Arbuckle, H. Lopez, B. Moa, R. Furuta, and R. Siemens, "Aligning Social Media Indicators with the Documents in an Open Access Repository," INKE Victoria 2018, January 10, 2018.

162. Luis Meneses, Ray Siemens, and Richard Furuta, "Towards a more Context Aware Digital Library: Implications in the Humanities," CSDH/SCDH 2017, May 29–31, 2017.

163. Luis Meneses and Richard Furuta, "Shelf life: Identifying the Abandonment of Online Digital Humanities Projects," Digital Humanities 2017, August 8–11, 2017.

164. L. Meneses, J. Martin, R. Furuta and R. Siemens, Part Deux: Exploring the Signs of Abandonment of Online Digital Humanities Projects, to be presented at Digital Humanities 2018, Mexico City, Mexico, 24-30 June 2018.

165. L. Meneses, J. Martin, R. Furuta and R. Siemens, Further Down the Spiral: Exploring the Abandonment of Online Digital Humanities Projects, to be presented at the Joint CSDH/SCHN & ACH Digital Humanities Conference 2018, Regina, Canada, 26-28 May 2018.

Other conference papers and presentations

1. P. D. Stotts and R. Furuta, "Hyperprograms: Concurrent Automata as Information Structures," *Proceedings of the 29th Allerton Conference on Communication, Control, and Computing*, University of Illinois, Urbana-Champaign, October 2–4, 1991 (invited).
2. Richard Furuta, "Data Representation in Hypertext: Active vs. Passive," Proceedings of the Convegno Text Processing, Gruppo di Lavoro Associazione Italiana per l'Informatica ed il Calcolo Automatico (AICA) "Text Processing", Milano, pp. 5–20, March 18, 1992 (invited).
3. Richard Furuta and P. David Stotts, "Hypermedia as an Enabling Technology for CSCW System Development," (position paper) in Jörg M. Haake, Ed., *Proceedings of the CSCW'94 Workshop Collaborative Hypermedia Systems*, Gesellschft Für Mathematik Und Datenverarbeitung MBH GMD-Studien Nr. 239, pp. 23–25. October 22, 1994.
4. Richard Furuta, "Documents in the Digital Library," *Proceedings of the International Symposium on Digital Libraries 1995*, Tsukuba, Ibaraki, Japan, August 22–25, 1995, pp. 105–111 (invited).
5. Richard Furuta, John Leggett, Frank Shipman, Du Li, Andruid Kerne, Glen Williams, John Keyser, and Ricardo Gutierrez-Osuna. "Human-Centered Systems at Texas A&M University." CHI 2005 Workshop on Graduate Education in Human-Computer Interaction, April 3, 2005, Portland, OR (`http://hcc.cc.gatech.edu/chi2005workshop.htm`).

Books edited

1. Jacques André, Vincent Quint, and Richard Furuta, editors. *Structured Documents.* Cambridge University Press, 1989.
2. Richard Furuta, editor. *EP90: Electronic Publishing 1990* (Proceedings of the International Conference on Electronic Publishing, Document Manipulation, and Typography, Gaithersburg, Maryland, 1990), Cambridge University Press, 1990.
3. Richard Furuta and P. David Stotts, editors. *Third ACM Conference on Hypertext Proceedings*, Association for Computing Machinery, 1991.
4. John L. Schnase, John J. Leggett, Richard K. Furuta, and Ted Metcalfe, editors. *Proceedings of Digital Libraries '94: The First Annual Conference on the Theory and Practice of Digital Libraries*, Hypermedia Research Laboratory, Texas A&M University, 1994.
5. Richard Furuta and Christine Neuwirth, editors. *Proceedings, ACM 1994 Conference on Computer Supported Cooperative Work*, ACM Press, 1994.
6. Frank Shipman, Richard Furuta, and David Levy, editors. *Proceedings of Digital Libraries '95: The Second Annual Conference on the Theory and Practice of Digital Libraries*, Hypermedia Research Laboratory, Texas A&M University, 1995.
7. Peter J. Nürnberg, David L. Hicks, and Richard Furuta, editors. *Proceedings of the fifth ACM Conference on Digital Libraries*, ACM Press, 2000.
8. Richard Furuta, Jonathan I. Maletic, and Ethan Munson, editors. *Proceedings of the 2002 ACM Symposium on Document Engineering*, ACM Press, 2002.

Book chapters

This list does not include conference papers whose proceedings were issued as books.

1. Reprint of "Document Formatting Systems: Survey, Concepts, and Issues" (entry 1 in refereed journal article list), in Jurg Nievergelt, Giovanni Coray, Jean-Daniel Nicoud, and Alan Shaw, editors. *Document Preparation Systems*. North-Holland, Amsterdam, pp. 133–220, 1982.
2. Richard Furuta, "Concepts and Models for Structured Documents," in Jacques André and Vincent Quint, editors, *Structures de/for documents*, Support du cours INRIA, Aussois, pp. 9–38, January 1987.
3. Richard Furuta, "Structured Document Models and Representations," in J. J. H. Miller, editor, *Issues in Generalized Text Processsing*, Boole Press, pp. 1–14, 1987. Invited tutorial for PROTEXT IV. October 19, 1987.
4. Richard Furuta, "Complexity in Structured Documents: User Interface Issues," In J. J. H. Miller, editor, *PROTEXT IV, Proceedings of the Fourth International Conference on Text Processing Systems*, Boole Press, pp. 7–22, 1987. Invited keynote for PROTEXT IV.
5. Mark Weiser, David Notkin, Bertrand Meyer, Mark Green, Glenn Pearson, David Stotts, Tony Wasserman, Alexander Wolf, and Rick Furuta, "Landscaping for Programming Environments," in Marvin V. Zelkowitz, editor, *Requirements for a Software Engineering Environment: Proceedings of the University of Maryland Workshop* Ablex, pp. 27–57, 1989.
6. Jacques André, Richard Furuta, and Vincent Quint, "By Way of an Introduction. Structured Documents: What and why?" in Jacques André, Richard Furuta, and Vincent Quint, editors, *Structured Documents*, Cambridge University Press, pp. 1–6, 1989.
7. Richard Furuta, "Concepts and Models for Structured Documents," in Jacques André, Richard Furuta, and Vincent Quint, editors, *Structured Documents*, Cambridge University Press, pp. 7–38, 1989. Revised version of book chapter entry 2.
8. Richard Furuta and P. David Stotts, "Separating Hypertext Content from Structure in Trellis," in C. Green and R. McAleese, editors, *Hypertext: State of the art*, Blackwell, pp. 205–213, 1990. (Refereed. Revised version of conference paper entry 10.)
9. Richard Furuta, "Hypertext and Electronic Publishing," in A. Rizk, N. Streitz, and J. André, editors, *Hypertexts: Concepts, Systems, and Applications*, Cambridge University Press, 1990. (Proceedings of the European Conference on Hypertext, pages 347–353, November 1990.)
10. P. David Stotts and Richard Furuta, "αTrellis: A System for Writing and Browsing Petri-Net-Based Hypertext," in Grzegorz Rozenberg, Editor, *Advances in Petri Nets 1990, Lecture Notes in Computer Science #483*, Springer-Verlag, pp. 471–490, 1991. (Refereed. Revised version of conference paper entry 9.)
11. P. David Stotts and Richard Furuta, "Modeling and prototyping collaborative software processes," in *Information and Collaboration Models*, S. Y. Nof (ed.), Kluwer Academic Publishers, Boston, 1994, pp. 365–390. (Invited. Also available in technical report form, see entry 28.).
12. Richard Furuta and Catherine C. Marshall, "Genre as Reflection of Technology in the World-Wide Web." *Hypermedia Design, Montpellier 1995* (S. Fraisse, F. Garzotto, T. Isakowitz, J. Nanard, and M. Nanard, editors), Springer, Workshops in Computing series (Professor C. J. van Risbergen, editor), 1995, pp 182-196. (Refereed. Revised version of earlier conference paper 28.).
13. Richard Furuta and P. David Stotts, "Trellis: a Formally-defined Hypertextual Basis for Integrating Task and Information," Gary M. Olson, John B. Smith, and Thomas W. Malone, editors, *Coordination Theory and Collaboration Technology*, Lawrence Erlbaum Associates, 2001, pp. 341-367. (Refereed. See corresponding entry 34 in the list of technical reports and monographs.)

14. Carlos Monroy, Rajiv Kochumman, Richard Furuta, and Eduardo Urbina, "Interactive Timeline Viewer (ItLv): A Tool to Visualize Variants Among Documents," *Visual Interfaces to Digital Libraries*, Lecture Notes in Computer Science (LNCS 2539), Springer, 2002, pp. 33-49 (Refereed. Extended version of refereed workshop paper 61. Note: this paper was refereed a second time before acceptance as a book chapter.)

15. Richard Furuta. "Separation of Concerns in Hypertext: Articulation Points that Increase Flexibility." To appear in *From Integrated Publication and Information Systems to Virtual Information and Knowledge Environments.* Springer, 2005.

16. Richard Furuta, Jie Deng, Carlos Monroy, and Neal Audenaert. "Imaging the *Quixote*: A Digital Iconography." To appear in Eduardo Urbina and Jesús Maestro, editors, *Don Quixote Illustrated: Textual Images and Visual Readings (Biblioteca Cervantes 2)*, Pontevedra: Mirabel Editorial, 2005.

17. Eduardo Urbina, Fernando González Moerno, Richard Furuta, Jie Deng, Steven E. Smith, and Stephanie Elmquist. "Visual Readings: Textual Iconography and the Digital Archive of the *Quixote* at the *Cervantes Project*." In Tom Lathrop, Editor, *Studies in Spanish Literature in Honor of Daniel Eisenberg*, Juan de la Cuesta, Newark Delaware, 2009. pp. 363-385.

18. Proyecto Cervantes, "El futuro de los estudios Cervantinos: Ediciones electrónicas y archivos digitales en el *Proyecto Cervantes*." in Rodrigo Cacho Casal, editor, *El Ingenioso Hidalgo (Estudios en Homenaje a Anthony Close)*, Centro de Estudios Cervantinos, 2009. pp. 265-278.

19. Eduardo Urbina, Víctor Agosto, Miguel Muñiz, Elena K. Tillman, Fernando González Moreno, Richard Furuta, Jie Deng, Steven E. Smith and Stephanie Elmquist. "Visual Readings: Textual Iconography and Digital Archive of the Quixote at the Cervantes Project." *Studies in Spanish Literature in Honor of Daniel Eisenberg*. Thomas Lathrop, editor. Newark, DE: Juan de la Cuesta, 2009. pp. 363-385.

20. Carlos Monroy, Filipe Castro, and Richard Furuta. "A Digital Library Perspective: The Synthesis and Storage of Maritime Archaeological Data to Assist in Ship Reconstruction." In Alexis Catsambis, Ben Ford, and Donny L. Hamilton, editors, *The Oxford Handbook of Maritime Archaeology*, Oxford University Press, 2011. Chapter 15, pp. 327–346.

Book Reviews, Other Articles, and Notes

Edited papers, statements, and reviews.

1. Richard Furuta, "Electronic Funds Transfer: A Review of Current Technology and Societal Issues," *Information Privacy* Vol. 2, No. 6, pp. 231–240, November 1980.

2. Richard Furuta, "Review of TEX and Metafont, New Directions in Typesetting," *Computer* Vol. 16, No. 2, pp. 125–126, February 1983.

3. Richard Furuta and Pierre A. MacKay, "Two TEX Implementations for the IBM PC," *Dr. Dobb's Journal*, Vol. 10, No. 9, pp. 80–91, September 1985.

4. P. David Stotts and Richard Furuta, "Hypertext 2000: Databases or Documents," *Electronic Publishing— Origination, Dissemination, and Design* column for "EP-ODDS and Ends," Vol. 4, No. 2, 1991.

5. Review of Roy Rada, "Converting a textbook to hypertext." *ACM Computing Reviews*, review 9404-0249, Vol. 35, No. 4, April 1994, p. 220.

6. Review of Antone F. Alber, *Interactive Computer Systems: Videotex and Multimedia*, Plenum Press, New York, NY, 1993. *ACM Computing Reviews*, review 9408-0512, Vol. 35, No. 8, August 1994, p. 402.

7. Review of Franca Garzotto, et al., "HDM—a model-based approach to hypertext application design." *ACM Computing Reviews*, review 9408-0581, Vol. 35, No. 8, August 1994, p. 441.

8. Review of Gary Marchionini and Gregory Crane, "Evaluating Hypermedia and Learning: Methods and

Results from the Perseus Project." *ACM Computing Reviews*, review 9412-0903, Vol. 35, No. 12, December 1994, p. 654.

9. Review of Frank Halasz and Mayer Schwartz, "The Dexter Hypertext Reference Model." *ACM Computing Reviews*, review 9502-0117, Vol. 35, No. 2, February 1995, pp. 124–125.

10. Edward A. Fox, Robert M. Akscyn, Richard K. Furuta, and John J. Leggett. "Digital Libraries." *Communications of the ACM,* Vol. 38, No. 4, April 1995, pp. 23–28.

11. Richard Furuta, "Hypertext and Hypermedia Research," included in "The Scope and Tutorial Needs of the ACM SIGs," *ACM Computing Surveys*, Vol. 27, No. 1, March 1995, pp. 133–135 (invited).

12. Review of Scott Stevens, Michael Christel, and Howard Wactlar, "Informedia: Improving Access to Digital Video." *ACM Computing Reviews*, review 9603-0208, Vol. 37, No. 3, March 1996, p. 171.

13. Review of Alexandra Dimitroff and Wolfram Dietmar, "Search Response in a Hypertext-Based Bibliographic Information Retrieval System." *ACM Computing Reviews*, review 9604-0300, Vol. 37, No. 4, April 1996, pp. 223-224.

14. Review of Banu Özden, Rajeev Rastogi, and Avi Silberschatz, "On the design of a low-cost video-on-demand storage system." *ACM Computing Reviews*, review 9703-0221, Vol. 38, No. 3, March 1997, p. 171.

15. Richard Furuta, "What can digital libraries teach us about hypertext?" ACM SIGLINK Newsletter, Vol. 6, No. 3, October 1997, pp. 7–9.

16. Eduardo Urbina, Richard Furuta, and Shueh-Cheng Hu, "El arte nuevo de editar textos en este tiempo," *Espéculo, Revista de Estudios Literarios*, Number 12, Juyio-Octubre 1999. Online at http://www.ucm.es/info/especulo/numero12/artenuev.html.

17. Richard Furuta, "Halasz's 'seven issues' in context," *ACM Journal of Computer Documentation*, Vol. 25, Issue 3, August 2001, pp. 92–95. (Invited.)

18. Eduardo Urbina, Richard Furuta, Arpita Goenka, Rajiv Kochumman, Eréndira Melgoza, and Carlos Monroy, "Texto, contextos e hipertexto: la critica textual en la era digital y la *Edición electrónica variorum del* Quijote-*IV Centenario*," *Quaderni di Letterature Iberiche e Iberoameicane*, Issue #27, Dipartimento di Scienze del Linguaggio e delle Letterature Comparate dell'Università degli Studi di Milano, 2002 (to appear).

19. Eduardo Urbina, Richard Furuta, Arpita Goenka, Rajiv Kochumman, Eréndira Melgoza, and Carlos Monroy, "Critical Editing in the Digital Age: Informatics and Humanities Research." Proceedings of a Conference on The New Information Order and the Future of the Archive, March 2002. John Frow, ed., Institute for Advanced Studies in the Humanities, University of Edinburgh (UK). Conference proceedings online at http://webdb.ucs.ed.ac.uk/malts/other/IASH/dsp-all-papers.cfm.

20. Carlos Monroy, Richard Furuta, Eduardo Urbina, and Enrique Mallen. Texts, Images, Knowledge: Visualizing Cervantes and Picasso. Visual Knowledges, September 17-20, 2003, Edinburgh, Scotland.

21. Eduardo Urbina, Carlos Monroy, and Richard Furuta. "Iconograf´a textual del *Quijote*: repaso y nueva aproximación de cara al IV centenario." In limine al IV Centenario del Quijote. Coloquio Internacional de la Associazione Cervantina di Venecia, Ateneo Veneto (Venice, Italy, April 2003). Treviso: Edizione Santi Quaranta, 2004, pp. 103-114.

22. Eduardo Urbina, Richard Furuta, Carlos Monroy, Arpita Goenka, and Stella Cruz-Romero. "Hacia *el Quijote* en su IV Centenario (1605–2005): hipertextualidad e informatización." *Bulletin of Spanish Studies* (Glasgow) 81:4-5, 2004, pp. 553-567. Special issue in honor of E. C. Riley.

23. Eduardo Urbina, Carlos Monroy, Arpita Goenka, Richard Furuta, and Stella Cruz. "Del texto al hipertexto: la biblioteca digital y el Proyecto Cervantes." In Francisco Alía Miranda, editor, *Del Texto al Hipertexto: Las Bibliotecas Universitarias ante el reto de la Digitalización*. Ediciones de la Universidad

de Castilla-La Mancha, 2004. pp. 141-165.

24. Pavana Polineni, Prathyusha Aragonda, Suresh R. Xavier, Richard Furuta, and David L. Adelson. "The Bovine QTL Viewer: A Web Accessible Database Of Bovine Quantitative Trait Loci." Plant and Animal Genomes XIII Conference (Poster and Demo), 2005. `http://www.intl-pag.org/13/abstracts/PAG13_P877.html`

25. Eduardo Urbina, Richard Furuta, and Steven Smith. "Textual Iconography of the *Quixote*: a Hypertextual Digital Archive at the Cervantes Project." *Anuario de Estudios Cervantinos 1*, 2005.

26. Filipe Castro and Richard Furuta. "Nautical Archaeology Digital Library." *The INA Quarterly*, vol. 33, no. 4, Winter 2006, pp. 20–22.

Regularly-scheduled columns and other administrative writings.

- TEX Users Group publications (all in *TUGboat*): Richard Furuta and Pierre MacKay, "Unix TEX Site Report," Vol. 4, No. 1, pp. 17–18, April 1983. Pierre MacKay and Richard Furuta, "TEX at the University of Washington: Tops-20, Unix, Versatec, and the Monolithic," Vol. 4, No. 1, pp. 21–22, April 1983. Richard Furuta, "Unix TEX Site Report," Vol. 4, No. 2 pp. 74–75, September 1983; Vol. 5, No. 1, pp. 26–28, May 1984; Vol. 5, No. 2, p. 142, November 1984; Vol. 6, No. 1, pp. 18–20, March 1985; Vol. 6, No. 2, p. 81, July 1985; Vol. 6, No. 3, pp. 137–138, November 1985.

- Editorials for *Electronic Publishing—Origination, Dissemination, and Design*; with David F. Brailsford, except as noted: Vol. 3, No. 1, 1990; Vol. 3, No. 2, 1990; Vol. 3, No. 3 with P. David Stotts, 1990; Vol. 3, No. 4 with P. David Stotts, 1990; Vol. 4, No. 1, 1991; Vol. 4, No. 2, 1991; Vol. 4, No. 3, 1991; Vol. 5; No. 3, 1992; Vol. 5, No. 4, 1992; Vol. 6, No. 1, 1993; Vol. 6, No. 2, 1993.

- SIGLINK Chair Notes, *ACM SIGLINK Newsletter*, Vol. 2, No. 3, December 1993, p. 1; Vol. 3, No. 1, March 1994, p. 1; Vol. 3, No. 2, September 1994, pp. 1–2; Vol. 3, No. 3, December 1994, pp. 1, 3.

Monographs, Reports, and Extension Publications

1. Alan Shaw, Richard Furuta, and Jeffrey Scofield, "Document Formatting Systems: Survey, Concepts, and Issues" [Extended Abstract], Technical Report 80-10-02, Department of Computer Science, University of Washington, October 1980. (Presented by Alan Shaw at the 1981 International Conference on Document Preparation Systems, Lausanne, Switzerland, February 1981.)

2. Richard Furuta, Jeffrey Scofield, and Alan Shaw, "Document Formatting Systems: Survey, Concepts, and Issues," Technical Report 81-10-01, Department of Computer Science, University of Washington, October 1981. (Later published as refereed journal entry 1).

3. R. Furuta and P. MacKay, "DVI2LGP, An output translator for TEX output," Technical Report 83-12-02, Department of Computer Science, University of Washington, December 1983.

4. Richard Furuta, "An Integrated, but not Exact-Representation, Editor/Formatter," Technical Report 86-09-08, Department of Computer Science, University of Washington, August 1986. (Ph.D. Dissertation)

5. Richard Furuta and P. David Stotts, "Specifying Structured Document Transformations," Technical Report CS-TR-1913 and UMIACS-TR-87-42, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, September 1987. (For later version, see entry 5 in the refereed conference papers list.)

6. Richard Furuta, "A Grammar for Representing Documents," Technical Report CS-TR-1959 and UMIACS-TR-87-67, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, December 1987.

7. P. David Stotts and Richard Furuta, "Adding Browsing Semantics to the Hypertext Model," Technical Report CS-TR-2046 and UMIACS-TR-88-43, Department of Computer Science and Institute for Advanced

Computer Studies, University of Maryland, June 1988. (An earlier version of entry 6 in the refereed conference papers list.)

8. Richard Furuta and P. David Stotts, "Separating Hypertext Content from Structure in Trellis," Technical Report CS-TR-2183 and UMIACS-TR-89-8, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, January 1989. (Also issued as CESDIS Technical Report Number TR-90-38. Later published as refereed conference entry 10.)

9. P. David Stotts and Richard Furuta, "Timing Analysis of Synchronous Browsing in Petri-Net-Based Hypertext," Technical Report CS-TR-2251 and UMIACS-TR-89-53, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, May 1989.

10. Richard Furuta, Catherine Plaisant, and Ben Shneiderman, "A Spectrum of Automatic Hypertext Constructions," Technical Report CAR-TR-443 and CS-TR-2253, Human/Computer Interaction Laboratory, Center for Automation Research, and Department of Computer Science, University of Maryland, May 1989. (An earlier version of refereed journal entry 4.)

11. Richard Furuta and P. David Stotts, "Programmable Browsing Semantics in Trellis," Technical Report CS-TR-2259 and UMIACS-TR-89-56, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, May 1989. (Also issued as CESDIS Technical Report Number TR-90-36. Later published as refereed conference entry 12.)

12. P. David Stotts and Richard Furuta, "αTrellis: A System for Writing and Browsing Petri-Net-Based Hypertext," CESDIS Technical Report Number TR-90-41, June 1989. (Later published as refereed conference entry 9.)

13. P. David Stotts and Richard Furuta, "Browsing Parallel Process Networks," Technical Report CS-TR-2344 and UMIACS-TR-89-108, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, November 1989. (Published in abbreviated form as refereed journal entry 8. Also issued as CESDIS Technical Report Number TR-90-40.)

14. P. David Stotts and Richard Furuta, "Temporal Hyperprogramming," Technical Report CS-TR-2349 and UMIACS-TR-89-113, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, November 1989. (Also issued as CESDIS Technical Report Number TR-90-34. Later published as refereed journal entry 9.)

15. Gallagher, Leonard, Richard Furuta, and P. David Stotts, "Increasing the Power of Hypertext Search with Relational Queries," Technical Report CS-TR-2361 and UMIACS-TR-89-120, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, November 1989. (Also issued as CESDIS Technical Report Number TR-90-32. Later published as refereed journal entry 7.)

16. Richard Furuta and P. David Stotts, "The Trellis Hypertext Reference Model," Technical Report CS-TR-2371.1 and UMIACS-TR-89-126.1, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, December 1989, revised January 1990. (Later published as refereed conference entry 13.)

17. Richard Furuta, P. David Stotts, and Jefferson Ogata, "YTRACC: An Interactive, Visual Debugger for YACC," Technical Report CS-TR-2374 and UMIACS-TR-89-128, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, December 1989. (Also issued as CESDIS Technical Report Number TR-90-20. Later published as refereed journal entry 12.)

18. Richard Furuta and P. David Stotts, "Generalizing Hypertext," Technical Report CS-TR-2418 and UMIACS-TR-90-29, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, February 1990. (Also issued as CESDIS Technical Report Number TR-90-28. Later published as refereed journal paper entry 10.)

19. P. David Stotts and Richard Furuta, "Hierarchy, Composition, Scripting Languages, and Translators for

Structured Hypertext," Technical Report CS-TR-2472 and UMIACS-TR-90-68, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, May 1990. (Also issued as CESDIS Technical Report Number TR-90-39. Later published as refereed conference entry 14.)

20. Richard Furuta and P. David Stotts, "Dynamic Characteristics of Hypertext." National Institute of Standards and Technology Internal Report number NISTIR 4404, August 1990. Also issued as Technical Report CS TR 2529 and UMIACS TR 90-115, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, September 1990.

21. Richard Furuta, "Important Papers in the History of Document Preparation Systems: Basic Sources," Technical Report CS TR 2589 and UMIACS TR 91-7, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, January 1991. (Later published as refereed journal entry 13.)

22. Richard Furuta and P. David Stotts, "Structured Dynamic Behavior in Hypertext," Technical Report CS TR 2597 and UMIACS TR 91-14, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, January 1991.

23. Richard Furuta and P. David Stotts, "A Functional Meta-Structure for Hypertext Models and Systems," Technical Report CS TR 2598 and UMIACS TR 91-15, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, January 1991. (Later published as refereed journal entry 11.)

24. P. David Stotts and Richard Furuta, "Dynamic Adaptation of Hypertext Structure," Technical Report CS TR 2658 and UMIACS TR 91-57, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, April 1991. (Later published as refereed conference entry 15.)

25. Richard Furuta and P. David Stotts, "Experiences with a Client-Server-based Architecture for a Distributed Structured Hypertext System," Technical Report CS TR 2774 and UMIACS TR 91-136, Department of Computer Science and Institute for Advanced Computer Studies, University of Maryland, October 1991. (Later published as refereed conference entry 16.)

26. P. David Stotts and Richard Furuta, "Hypertextual Concurrent Control of a Lisp Kernel," TR-92-01, Computer and Information Sciences, University of Florida, January 1992.

27. P. D. Stotts, R. Furuta, and J. C. Ruiz, "Hyperdocuments as Automata: Trace-based Browsing Property Verification," UNC Collaboratory, Department of Computer Science, University of North Carolina, Technical Report TR92-038, November 1992. (Later published as refereed conference entry 17.)

28. P. David Stotts and Richard Furuta, "Modeling and Prototyping Collaborative Software Processes," UNC Collaboratory, Department of Computer Science, University of North Carolina, Technical Report TR93-020, June 1993. Also issued as Technical Report TAMU-HRL 93-006, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, July 1993. (Later published as an invited book chapter, entry 11.)

29. S. Augustine Su and Richard Furuta, "The Virtual Panel Architecture: A 3D Gesture Framework," Technical Report TAMU-HRL 93-004, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, July 1993. (Later published as refereed conference entry 19.)

30. P. D. Stotts and R. Furuta, "The Trellis Project: Process modeling for CSCW," Technical Report TAMU-HRL 93-006, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, July 1993. (Also available as refereed conference entry 18.)

31. David S. Doermann and Richard Furuta, "Image Based Typographic Analysis of Documents," Technical Report TAMU-HRL 93-008, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, August 1993, (Also available as refereed conference entry 20.)

32. S. Augustine Su and Richard Furuta. "A Logical Hand Device in Virtual Environments." Technical Report TAMU-HRL 94-002, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, February 1994.

33. Richard Furuta and P. David Stotts. "A Hypermedia Basis for the Specification, Documentation, Verification, and Prototyping of Concurrent Protocols." Technical Report TAMU-HRL 94-003, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, June 1994 and UNC Collaboratory, Technical Report TR94-039, June 1994.

34. Richard Furuta and P. David Stotts. "Trellis: a Formally-defined Hypertextual Basis for Integrating Task and Information," Technical Report TAMU-HRL 94-007, Hypermedia Research Laboratory, Department of Computer Science, Texas A&M University, October 1994. See corresponding entry 13 in the list of chapters in books.

EDITORSHIPS AND EDITORIAL BOARDS

Editorships

- Editor-in-Chief *International Journal of Digital Libraries*, Springer, fall 2001–
- Guest Editor, special issue on User Interfaces, *IEEE Technical Committee on Digital Libraries Bulletin*, 1(1), summer 2003.
- United States Editor, *Electronic Publishing: Origination, Dissemination & Design*, spring 1990–1998.
- Guest Editor (with H.A. Blair and A. L. Brown), special issue of *Mathematics and Computer Modelling*, "Principles of Document Processing '92," Volume 25, Number 4, February 1997.
- Guest Editor (with Ed Fox, Rob Akscyn, and John Leggett), special section of the *Communications of the ACM* on Digital Libraries, Vol. 38, No. 4, April 1995.
- Guest Editor (with Venkat N. Gudivada) of a special issue of *ACM Computing Surveys* on Multimedia Systems, Volume 27, Issue 4, December 1995.

Editorial boards

- Editorial board, *Electronic Publishing: Origination, Dissemination & Design*, 1987–1998.
- Editorial board, Cambridge Series on Electronic Publishing, Cambridge University Press, since 1988.
- Editorial board, *Hypermedia*, 1992–1994. Editorial board, *The New Review of Hypermedia and Multimedia: Applications and research*, 1995–present. (*Hypermedia* changed name and format in 1995.)
- Editorial board, *Technology and Science of Informatics* special issue on hypertext, 1990.
- Editorial board, *Journal of Digital Information*, since 1996.
- Member, Editorial Board, *ACM Transactions on the Web (TWEB)*, since 2005.
- Editorial board, *ACM Journal on Educational Resources in Computing (JERIC)*, 2000–2006.

ADVISORY BOARDS

- Digital Scholarship Advisory Board, Emory University, February 2010 to December 2014.

CONFERENCE, PROGRAM, AND VENUE ACTIVITIES

In reverse chronological order within a subcategory.

Scholarly Conference Chair and Program Chair Positions

- Program Chair (co with Michele Weigle), ACM/IEEE-CS Joint Conference on Digital Libraries 2016, Newark, NJ.
- Program Chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2009, Austin, TX.
- Program Chair, ACM Digital Libraries 2000, San Antonio, TX, May/June 2000.

- Chair, working group (with Yannis Papakonstantinou [UCSD]), "IR and DM in the WWW, Internet and Wireless Era"; 1999 NSF Information and Data Management Workshop, March 7–9, 1999, UCLA.
- Organizer (with Jacques André, Anne Brüggemann-Klein, and Vincent Quint), Dagstuhl-Seminar on Document Processing, International Conference and Research Center for Computer Science (IBFI), Schloß Dagstuhl, Germany, Week 9535, August 28, 1995–September 1, 1995.
- Program Chairman, Digital Libraries '95, June 11–13, 1995, Austin, TX.
- Conference Chairman, Digital Libraries '94, June 1994, College Station, TX (the founding meeting on the topic).
- Program Chairman (with P. David Stotts). ACM Hypertext '93.
- Organizer (with Howard A. Blair, Allen L. Brown, Jr., and Anil Nerode), Principles of Document Processing workshop, October 1992, Washington, DC.
- Program Chairman (with P. David Stotts). 1991 annual symposium of the DC Area Chapter of the ACM, "Advanced Information Interfaces: Making Data Accessible."
- Program Chairman, EP90, International Conference on Electronic Publishing, Document Manipulation, and Typography, Gaithersburg, MD, October 1990.

Scholarly Conference Committees

- Panels and Demonstrations co-Chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2018 (JCDL 2018).
- Panels Chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2010 (JCDL 2010).
- Poster Chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2006 (JCDL 2006), Chapel Hill, NC, June 11–15, 2006.
- Workshops chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2003 (JCDL 2003), Houston, TX, May 27–31, 2003.
- Workshops chair, ACM/IEEE-CS Joint Conference on Digital Libraries 2002 (JCDL 2002), Portland, OR, July 14–18, 2002.
- Tutorials co-chair (with Norbert Führ), European Conference on Digital Libraries 2001 (ECDL 2001), Darmstadt, Germany, September 2001.
- Mentoring chair, Hypertext 2001, August 2001.
- Member of the organizing committee, NSF Information and Data Management (IDM) Workshop, Dallas, TX, April 29–May 1, 2001.
- Proceedings co-chair (with Christine M. Neuwirth), ACM 1994 conference on Computer-Supported Cooperative Work (CSCW '94).
- Proceedings editor (with P. David Stotts), ACM Hypertext '91, December 15–18, 1991, San Antonio, Texas.

Scholarly Conference Steering Committees

- Member, Steering Committee, ACM/IEEE-CS Joint Conference on Digital Libraries, June 2000–present. SIGWEB representative June 2000–July 2005. At-large member, July 2005–July 2008. Chair, steering committee, July 1, 2001–July 2005.
- Member, steering committee, ACM Symposium on Document Engineering, November 2002–September 2008.
- Member, Steering Committee, European Conference on Digital Libraries, fall 2001–fall 2005.
- Member, Steering Committee, ACM Digital Libraries Conference series, spring 1998 to June 2000.
- Member, steering committee, PODP (Principles of Document Processing), October 1996 to present. Conference was renamed PODDP (Principles of Digital Document Processing) beginning in 1998.

- Member, International Steering Committee, PROTEXT V, November 20–33, 1991, Luxembourg.

Scholarly Conference Program Committees

- Senior PC Member, TPDL 2018.
- Senior PC member (Metareviewer), JCDL 201.
- Senior PC Member, TPDL 2017.
- Senior PC member (Metareviewer), JCDL 2017.
- Metareviewer (senior PC member), TPDL 2016.
- PC Member, Hypertext 2016.
- PC Member, TPDL 2015.
- Senior PC member, JCDL 2015.
- PC member, ICADL 2014.
- Senior PC member, Digital Libraries 2014 (joint meeting of JCDL and TPDL).
- PC Member, 15th International Conference on Asia-Pacific Digital Libraries (ICADL 2013), December 9–11, 2013.
- Senior PC member, 3rd International Conference on Theory and Practice of Digital Libraries (TPDL 2013), September 22–26, 2013.
- Senior PC member, 13th ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL), July 22–26, 2013.
- PC member, Doctoral Consortium, 13th ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL), July 22–26, 2013.
- Reviewer, Digital Humanities 2013.
- Program Committee, 2nd International Conference on Theory and Practice of Digital Libraries (TPDL 2012), September 23–27, 2012.
- Senior Program Committee member, 12th ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL), June 10–14, 2012.
- Member, program committee, 14th International Conference on Asia-Pacific Digital Libraries (ICADL 2012), November 12–15, 2012.
- Reviewer, Digital Humanities 2012.
- Member, program committee. Theory and Practice of Digital Libraries, September 26–28, 2011.
- Member, program committee. International Conference on Asian Digital Libraries (ICADL) October 24–27, 2011.
- Reviewer, 7th Iteration of the "Places and Spaces: Mapping Science" exhibit on "Science Maps as Visual Interfaces to Digital Libraries," 2011.
- Member, program committee. Joint Conference on Digital Libraries (JCDL), 2011.
- Reviewer, Digital Humanities 2011.
- Member, program committee. European Conference on Digital Libraries 2010.
- Member, program committee of track Hypertext in Context, Hypertext 2010.
- Member, program committee. 2010 Joint Conference on Digital Libraries (JCDL), Australia, June 21–25, 2010.
- Reviewer, Digital Humanities 2010.
- Member, program committee. ACM SIGIR 2009. Boston, MA, July 19–23, 2009.
- Member, program committee. 9th ACM Symposium on Document Engineering, Munich, Germany, September 2009.
- Member, program committee. European Conference on Digital Libraries 2009.
- Reviewer, Digital Humanities 2009.

- Member, program committee. 11th International Conference on Asian Digital Libraries (ICADL 2008), Bali, Indonesia, December 2–5, 2008.
- Member, program committee. IR Track ACM CIKM 2008, October 26–30, 2008, Napa, CA.
- Member, program committee. 12th European Digital Library Conference, September 14–19, 2008, Aarhus, Denmark.
- Member, program committee. 2008 Joint Conference on Digital Libraries (JCDL), June 16–20, 2008, Pittsburgh, PA.
- Member, program committee. 10th International Conference on Asian Digital Libraries (ICADL 2007), Hanoi, Vietnam, December 10–13, 2007.
- Member, program committee. IR Track ACM CIKM 2007, November 5–11, 2007, Lisbon, Portugal.
- Member, program committee. 11th European Conference on Research and Advanced Technology for Digital Libraries (ECDL07), September 18–21, 2007, Budapest, Hungary.
- Member, program committee. 2007 Joint Conference on Digital Libraries (JCDL), June 17–23, 2007, Vancouver, British Columbia, Canada.
- Member, program committee. 9th International Conference on Asian Digital Libraries (ICADL 2006), November 27–31, 2006, Kyoto, Japan.
- Member, program committee. Information Retrieval Track, ACM Conference on Information and Knowledge Management (CIKM), November 6-11, 2006, Arlington, VA.
- Member, program committee, Document Engineering 2006 (DocEng 2006).
- Member, program committee, 10th European Conference on Research and Advanced Technology for Digital Libraries (ECDL06), Alicante, Spain, September 17–22, 2006.
- Member, program committee, ACM/IEEE-CS Joint Conference on Digital Libraries 2006 (JCDL 2006), Chapel Hill, NC, June 11–15, 2006.
- Member, program committee, Digital Publishing (IS&T/SPIE), 2006.
- Reviewer, Visualization and Data Analysis (IS&T/SPIE) 2006.
- Member, program committee, ICDAT2005: 2005 International Conference on Digital Archive Technologies, June 16-17, 2005, Taipei, Taiwan.
- Reviewer for SPIE Conference on Visualization and Data Analysis 2005.
- Member, program committee, ACM/IEEE-CS Joint Conference on Digital Libraries 2005 (JCDL 2005), Denver, CO, June 7–11, 2005.
- Member, program committee, International Conference on Asian Digital Libraries 2004 (ICADL 2004).
- Member, program committee, Document Engineering 2004 (DocEng 2004), Milwaukee, WI, October 28-30, 2004.
- Member, program committee, ACM/IEEE-CS Joint Conference on Digital Libraries 2004 (JCDL 2004), Tucson, AZ, June 7–11, 2004.
- Paper reviewer, SPIE Conference on Visualization and Data Analysis, San Jose, CA, January 18–22, 2004.
- Member, program committee, International Conference on Asian Digital Libraries 2003 (ICADL 2003), Malasia, December 2003.
- Member, program committee, ACM Symposium on Document Engineering, 2003, Grenoble, France, November 20–22, 2003.
- Member, program committee, ACM Hypertext 2003, Nottingham, England, August 2003.
- Member, program committee, European Conference on Digital Libraries, 2003, Trondheim, Norway, August 17–22, 2003.
- Member, program committee, ACM/IEEE-CS Joint Conference on Digital Libraries 2003 (JCDL 2003),

Houston, TX, May 27–31, 2003.

- Member, program committee, International Conference on Asian Digital Libraries 2002 (ICADL 2002), Singapore, December 2002.
- Paper review for ACM CSCW'2002 (Computer-Supported Cooperative Work conference).
- Member, program committee, ACM/IEEE-CS Joint Conference on Digital Libraries 2002 (JCDL 2002), Portland, OR, July 14–18, 2002.
- Reviewer, ACM Hypertext 2002, College Park, MD, June 2002.
- Member, program committee, WebNet 2001—World Conference on the WWW and Internet, Orlando, FL, October 23-27, 2001.
- Member, program committee, ECDL 2001—The 5th European Conference on Research and Advanced Technology for Digital Libraries, Darmstadt, Germany, September 4–9, 2001.
- Member, program committee, Symposium on Document Engineering, Atlanta, GA, November 9–10, 2001.
- Member, program committee, ACM/IEEE Joint Conference on Digital Libraries (JCDL) 2001, June 24–28, 2001, Roanoke, VA.
- Member, program committee, Asian Digital Libraries 2000, Seoul, December 6–8, 2000.
- Paper review for ACM CSCW'2000 (Computer-Supported Cooperative Work conference).
- Member, program committee, WebNet 2000—World Conference on the WWW and Internet, San Antonio, October 30–November 4, 2000.
- Member, program committee, Digital Documents and Electronic Publishing (DDEP00), Munich, Germany September 13–15 2000.
- Member, program committee, PODDP '00: Fifth International Workshop on Principles of Digital Document Processing, Munich, Germany, September 11–12, 2000.
- Member, program committee, Webnet 99, October/November 1999, Hawaii.
- Member, program committee, ACM Digital Libraries '99, August 1999, Berkeley, CA.
- Member, Program Review Committee, Hypertext '99.
- Member, North American program committee, Conference on Conceptions of Library and Information Science (CoLIS 3), Dubrovnik, Croatia, May, 1999.
- Paper reviewer, ACM CSCW'98 (Computer-Supported Cooperative Work conference), November 1998.
- Member, program committee, HT'98: The 9th ACM Conference on Hypermedia and Hypertext, June 20–24, 1998, Pittsburgh, PA.
- Member, program committee, ACM Digital Libraries '98, June 23–26 1998, Pittsburgh, PA.
- Member, program committee, Webnet 98, October/November 97, Orlando, Florida.
- Member, program committee, EP98 (Electronic Publishing), Saint Malo, France, April 1–3, 1998.
- Member, program committee, PODDP 98 (Fourth International Workshop on Principles of Digital Document Processing), March 29–30, 1998, Saint Malo, France.
- Member, program committee, Webnet 97, October 97, Toronto, Canada.
- Member, program committee, ACM Digital Libraries '97, July 1997, Philadelphia, PA.
- Associate papers chair, ACM Hypertext '97, Southampton, UK, April 1997.
- Member, program committee, EP96 (Electronic Publishing), Palo Alto, CA, September 1996.
- Member, program committee, PODP96 (Principles of Document Processing), Palo Alto, CA, September 1996.
- Member, program committee, ACM SIGIR'96 (Information Retrieval).
- Member, program committee, ACM Digital Libraries '96, March 20–23, 1996, Bethesda, MD.
- Associate papers chair, ACM Hypertext '96. March 1996, Washington, DC.

- Member, program committee, ACM SIGIR'95 (Information Retrieval), July 9–13, 1995, Seattle, WA.
- Member, organizing committee, CIKM 94 Workshop on Intelligent Hypertext, December 2, 1994.
- Associate papers chair, ACM ECHT'94 (European Conference on Hypermedia Technology, '94), September 18–23, 1994, Edinburgh, Scotland.
- Associate papers chair, Digital Libraries '94, June 1994, College Station, TX.
- Member, program committee, EP94 (Electronic Publishing, '94), April 13–15, 1994, Darmstadt, Germany.
- Member, program committee, TEP94 (Workshop on Teaching Electronic Publishing), April 12, 1994, Darmstadt, Germany.
- Member, program and organizing committees, PODP'94 (Workshop on Principles of Document Processing), April 11–12, 1994, Darmstadt, Germany.
- Member, organizing committee, CIKM 93 Workshop on Intelligent Hypertext, Friday, November 11, 1993, Arlington, VA.
- Member, program committee, ACM ECHT'92 (European Conference on Hypertext, '92), November 30–December 4, 1992, Milan, Italy.
- Member, program committee, EP92 (Electronic Publishing, '92), April 7–10, 1992, Lausanne, Switzerland.
- Member, program committee, TEP'92 (Teaching Electronic Publishing Workshop), April 7, 1992 Lausanne, Switzerland.
- Member, program committee, ACM Hypertext '91, December 15–18, 1991, San Antonio, Texas.
- Member, program committee, NIST Hypertext Standardization Workshop, Gaithersburg, Maryland, January 16–18, 1990.
- Member, program committee, WOODMAN '89—Workshop on Object-Oriented Document Manipulation, Rennes, France, May 29–31, 1989.
- Member, program committee, ACM Conference on Document Processing, Santa Fe, New Mexico, December 5–9, 1988. Organized by SIGGRAPH, SIGCHI, SIGOIS, and SIGIR.
- Member, program committee, EP88, International Conference on Electronic Publishing, Document Manipulation, and Typography, Nice, France, April 20–22, 1988.
- Member, program committee, PROTEXT IV, October 19–22, 1987, Boston.

FUNDED RESEARCH PROJECTS

In chronological order of award.

1. FULCRUM Round II equipment grant, University of Maryland, 1986; 2 IBM RTs with associated peripherals. Estimated value, $45,000. PI with P. David Stotts and Gregory Johnson.
2. AT&T equipment grant. Participant with Mark Weiser, Greg Johnson, and Dave Stotts. 6 AT&T Unix PC 7300, associated software, 6 BLIT terminals. Estimated value, $100,000. 1986–1987 academic year.
3. Xerox University Grant Program. PI with Jim Purtilo. Approximately 35 Xerox workstations with associated servers and software. Spring 1987–Spring 1989.
4. University of Maryland General Research Board of Graduate Studies and Research, Summer Research Award (competitive fellowship award). $4,000. Summer 1987.
5. National Science Foundation. Richard Furuta, PI. "Characteristics of Grammatically-Specified, Publication-Oriented, Structured Document Representations." CCR-8810312, June 15, 1988 to November 30, 1990. $58,035. Research Experience for Undergraduates supplement, July 20, 1989, $4,400.
6. Northrop Research and Technology Center, research grant (1/1/90 to 12/31/90), "Visualization in Software Engineering," $20,000. PI with Dave Stotts.

7. Summer Research Award, University of Maryland General Research Board of Graduate Studies and Research (competitive fellowship award). Summer 1990, $5,200 (refused by researcher because other funding obtained).

8. National Science Foundation. Richard Furuta and P. David Stotts, PIs. "Structured Authoring in a Unified Net-based Hypertext Model." IRI-9007746, August 15, 1990 to August 31, 1993, $153,704. (See also later entry 13.)

9. National Science Foundation. P. David Stotts and Richard Furuta, PIs. "Distributed Concurrent Hypertext for Multireader Cooperative Systems." (Special Initiative on Coordination Theory and Collaboration Technology). IRI-9015439, September 1, 1990 to February 28, 1993, $90,000.

10. Maryland Industrial Partnerships Program, award (with DVP, Inc, Rockville, MD), Richard Furuta, PI (with P. David Stotts). "Extending User Interface Management Systems (UIMS) to Gestural Input (3-D User Interface)". March 1991 to March 1992, $59,944.

11. Software Engineering Research Center. Participating researcher, "σTrellis: Software Process Models as Hyperprograms". September 1, 1991 to August 31, 1992. (D. Stotts, PI)

12. Maryland Industrial Partnerships Program (with DVP, Inc, Rockville, MD), Richard Furuta, PI. "Extending User Interface Management Systems (UIMS) to Gestural Input". March 1992 to March 1993, $60,000.

13. National Science Foundation. Richard Furuta, PI. "Structured Authoring in a Unified Net-based Hypertext Model." IRI-9496187, September 1, 1993 to January 31, 1995, $39,304. This is the portion of the grant IRI-9007746 (see earlier entry 8) transferred to the Texas Engineering Experiment Station.

14. Texas Higher Education Coordinating Board, Advanced Research Program, Richard Furuta, Co-investigator (with John Leggett), "Structuring Flexible and Efficient Shared Information Spaces for Digital Libraries". January 1, 1994 to December 31, 1995, $99,547.

15. Texas Engineering Experiment Station, Permanent University Fund Bonds, Digital Libraries Research Equipment, PI with John Leggett, $137,000, January 1994.

16. Conference expenses grants for organizing Digital Libraries 1994 (Conference Chairman): Texas A&M University, $5,000; Southwestern Bell Technology Resources, Inc., $5,000; Washington University School of Medicine Library $1,000. February 1994.

17. Texas Engineering Experiment Station/Computer Science Department, Richard Furuta, co-PI (with John Leggett), "Study of Digital Libraries," $92,125, 1994–1995.

18. National Science Foundation, Richard Furuta, PI (with Richard A. Volz, Bruce H. McCormick, and Karan L. Watson), "Instrumentation Grant for Research in CISE: Telecommunications in Virtual and Real Environments," $101,232 (with cost-sharing $151,848 budget), May 1, 1995–April 30, 1996.

19. ARPA, Computer Aided Education and Training Initiative (CAETI), Richard Furuta, PI (with Catherine C. Marshall and Frank M. Shipman III), "Supporting the Authoring of Network-based Curriculum for Focused Exploration," $299,964, August 1995–September 30, 1997.

20. TAMU Interdisciplinary Research Initiatives Program, Plant Diversity Informatics—Herbarium Data and the World Wide Web, Richard Furuta, participant (PI: Hugh D. Wilson; co-PIs: John Leggett and Stephan L. Hatch), June 1, 1995–August 31, 1996, $25,000.

21. Texas Engineering Experiment Station/Computer Science Department, Center for the Study of Digital Libraries, Richard Furuta, co-PI (with John Leggett, PI, Catherine Marshall, and Frank Shipman), $60,500, September 1, 1995–August 31, 1996.

22. FSIS/USDA, Richard Furuta, PI (with John Leggett), "Digital Image Library," $46,900, September 1, 1995–August 31, 1996.

23. Texas Higher Education Coordinating Board, Advanced Research Program, Richard Furuta, PI (with

John Leggett), "Incorporating Physical Artifacts into the Digital Library," $173,410, January 1, 1996–December 31, 1997.

24. Texas Engineering Experiment Station (PUF bonds), Digital Libraries Equipment, Richard Furuta, co-PI (with John Leggett, PI), $65,000, January 16, 1996–August 31, 1996.

25. FSIS/USDA, Richard Furuta, PI (with John Leggett), "Digital Image Library," $30,000, September 1, 1996–August 31, 1997.

26. Texas Engineering Experiment Station/Computer Science Department, Center for the Study of Digital Libraries, Richard Furuta, co-PI (with John Leggett, PI), $142,458, September 1, 1996–August 31, 1997.

27. Hewlett Packard Research Grants Office, Managing the Location of Data Based Upon Content, Media and Usage, Richard Furuta co-PI (with John Leggett, PI, and Frank M. Shipman III), $208,239, 7/1/96 (Equipment Grant).

28. National Science Foundation, R. E. Ewing, M. S. Pilant, A. Boggess, P. F. Stiller, J. D. Armstrong, R. K. Furuta, and R. J. Hall, "A Center for Collaborative Research in Learning Technologies—Planning Proposal," $50,000, December 1, 1996–July 15, 1997.

29. Michael Pilant, Don Dickson, Richard Furuta, Ernie Goetz, Robert Hall, Don Phillips, and John Yen, U.S. Air Force/Booz-Allen and Hamilton subcontract. F-16 Avionics Tutor Development, June 1997–December 1998. Total TEES budget: $378,999; Computer Science portion: $156,815.

30. FSIS/USDA, Richard Furuta, PI (with John Leggett), "Digital Image Library," $30,000, September 1, 1997–August 31, 1998.

31. Richard Furuta, Frank Shipman, and John J. Leggett, Support for TEES-DC ATRP activity, September 1, 1997–December 31, 1997, Approximately $6,000.

32. Department of Defense Education Activity (administered by the Department of the Navy), Frank M. Shipman III and Richard Furuta, "Walden's Paths," $90,000, September 15, 1997–September 14, 1998.

33. TAMU Research Enhancement Programs Interdisciplinary Research Initiatives Program, Richard Furuta and Eduardo Urbina, "Virtual Critical Edition of Cervantes' *Don Quijote*," $25,000, June 1, 1998–May 31, 1999.

34. National Science Foundation, Richard Furuta and Frank M. Shipman III, "Information Discovery and Communication with Meta-Documents over the World-Wide Web," IIS-9812040, $380,000 October 1, 1998–September 30, 2002. REU supplement awarded September 1999 ($5,000).

35. TAMU Interdisciplinary Research Initiatives Program, Richard Furuta and Eduardo Urbina, PIs, "Enabling Structured Use of Online Research Humanities Materials Through Metadocuments," $24,948, April 27, 2000–December 31, 2001 (IRI 2000-22-M).

36. National Science Foundation, Richard Furuta and Eduardo Urbina, "ITR/IM+HCI: The Cervantes Project—Advances from Computer Science Research to Update and Enhance Traditional Scholarship Practices," $498,208, 9/1/00–8/30/04 (IIS-0081420). REU supplement awarded 8/24/2001, $5,000.

37. National Science Foundation, Richard Furuta, Frank Shipman, and Hugh Wilson, "Metadocuments as Communicative Artifact to Enable Use of a Research Digital Library in Undergraduate SMET Education," $249,945, 9/1/00–8/31/03 (DUE-0085798).

38. National Science Foundation, Frank M. Shipman and Richard Furuta, "Design and Evaluation of Maintenance Tools for Distributed Digital Libraries," $249,998, 9/15/01–9/14/03 (DUE-0121527).

39. Texas A&M University, Telecommunications and Informatics Task Force, Eduardo Urbina, James M. Rosenheim, Richard Furuta, John Leggett, Fred M. Heath, and Carol C. Cook, "Humanities Informatics: Excellence in Research," $300,000, 9/1/02–12/31/03.

40. National Science Foundation, Richard K. Furuta and Frank M. Shipman, "ITR: Long-Lived Information Artifacts Based on Short-Lived Administratively-Decentralized Source Material," $200,000, 9/1/02–

8/31/06 (IIS-0219540). REU Supplement, $6,000, awarded 7/10/03. REU Supplement, $6,000, awarded 5/4/04.

41. Texas A&M University, Telecommunications and Informatics Task Force, Eduardo Urbina, James M. Rosenheim, Richard Furuta, John Leggett, Carol C. Cook, and Steven E. Smith, "Humanities Informatics: Excellence in Research," $339,150, 1/1/04–8/31/06.

42. Richard Furuta and Luis Filipe M. Vieira de Castro. "Mediation of Research Group Scholarly Activities in a Digital Library: Steps Towards the Nautical Archaeology Digital Library." National Science Foundation (IIS-0534314). $404,180 ($358,191 to Computer Science), 1/1/06–12/31/08.

43. Richard Furuta. REU Supplement request for "Mediation of Research Group Scholarly Activities in a Digital Library: Steps Towards the Nautical Archaeology Digital Library." National Science Foundation. $12,000. Awarded 5/9/06.

44. Eduardo Urbina, Richard Furuta, and Steven E. Smith. "Creating an Archive of *Don Quixote* Illustrations." National Endowment for the Humanities. $325,000 ($158,068 to Computer Science), 9/1/06–8/31/08.

45. Richard Furuta. Research and Engineering Apprenticeship Program 2008. Academy of Applied Science. $2,600. Summer 2008. (Supported research involvement by a high school student in the Center for the Study of Digital Libraries.)

46. Richard Furuta, Frank Shipman, and Booker S. Carpenter (TAMU PIs), along with Villanova University, Portland State University, University of Pittsburgh, Drexel University, and Virginia Polytechnic Institute and State University. "Collaborative Project: Ensemble: Enriching Communities and Collections to Support Education in Computing." National Science Foundation (DUE-0840715). $2,550,000 total; $425,000 TAMU. 10/1/08-9/30/13.

47. Karen Butler-Purry, Joseph Pettibon, Cesar Malave, and Richard Furuta. "Engineering Transfer Scholars (ETS) in Texas." National Science Foundation (DUE-0850250), S-STEM: Scholarships in Science, Technology, Engineering, and Mathematics. $597,498. 3/1/09–2/28/13.

48. Richard Furuta. "Pilot: Supporting Creativity in the Analysis and Understanding of Visually Complex Documents." National Science Foundation (IIS-1002825), CreativeIT program. $200,000, 8/1/10–7/31/13. REU supplement received 3/11/11, $12,000.

49. Richard Furuta and Frank Shipman. "NSDL Service to Manage Distributed Collections." National Science Foundation (DUE-1044212), $510,000 ($85,000 supplement awarded 8/22/12), 9/15/10–8/31/13.

50. Richard Furuta, PI TAMU activities, "Establishing a Qatari Arabic-English Digital Library Institute," (with Virginia Tech, lead, Pennsylvania State University, and Qatar University). Qatar National Research Fund, NPRP 4-029-1-007, TAMU portion: $117,853.27, 36 months, 4/1/12–3/31/15. Contract negotiation actually completed 11/12, project established 11/21/12, and TAMU work began 1/1/13.

51. Laura Mandell, PI, Ricardo Gutierrez-Osuna, co-PI, Richard Furuta, co-PI. "OCR'ing Early Modern Text." Andrew W. Mellon Foundation. $742,005 10/1/2012–9/30/2014.

52. Richard Furuta, James Caverlee, Frank Shipman, and Laura Mandell. "The ComputingWiki Big Event: Bringing Computer Science Skills to the World." Texas A&M University College of Engineering AggiE Challenge award (course support). Awarded in Spring semester 2013 and Fall semester 2014.

53. Michael Pilant (PI), Jennier Whitfield (co-PI), Richard Furuta (co-PI). Math Virtual Learning Center. Texas A&M University Tier One Program. 3 years beginning in Fall 2016. $100,000/year ($20,000 to CSCE).

54. Filipe Castro, Cecilia A. Smith, and Richard Furuta. "Glasscock Collaborative Writing Competition," Texas A&M University, Awarded November 2017, $1,500.

55. Richard Furuta, Filipe Castro, and Anna Linderholm, "Dead Ships and Live Culture in Costal Commu-

nities," T3-triad, Texas A&M University, 2017, $30,000.

LECTURES

Ordered chronologically. List omits job-interview-related talks and talks intended for purely internal audiences.

Invited talks

1. Document Formatting Systems. IBM San Jose Research Laboratory, September 3, 1981.
2. Document Preparation From a Computer Science Perspective. American Society for Information Science, Pacific Northwest Chapter Annual Meeting, June 18, 1983.
3. TeX and LaTeX on Microcomputers. Computerfest '86, sponsored by the Personal Computing Association, University of Maryland. October 25, 1986.
4. Concepts and Models for Structured Documents. Institut National de Recherche en Informatique et en Automatique (INRIA) course "Structure de/for Documents." January 19–23, 1987, Aussois, France. (See entry 2 in chapters in books list for associated paper.)
5. Structured Document Models and Representations. Invited tutorial for PROTEXT IV. October 19, 1987. (See entry 3 in chapters in books list for associated paper.)
6. Complexity in Structured Documents: User Interface Issues. Invited keynote for PROTEXT IV. October 20–22, 1987. (See entry 4 in chapters in books list for associated paper.)
7. Hypertext with Browsing Semantics. National Institute for Standards and Technology. October 18, 1988.
8. Luis Meneses and Richard Furuta, "An Introducton to Digital Humanities," accepted for the Joint Conference on Digital Libraries, 2018 (JCDL 2018).
9. Hypertext with Browsing Semantics. Bell Communications Research, Morristown, NJ. January 15, 1989.
10. The Trellis Hypertext Project. Xerox Palo Alto Research Center, Palo Alto, CA. August 25, 1989.
11. Object Structures in Paper Documents and Hypertexts. NIST Hypertext Systems and Applications Workshop. October 23, 1989.
12. The Trellis Hypertext Project. Texas A&M University, Department of Computer Science. March 29, 1990.
13. The Trellis Hypertext Project. Xerox Webster Research Center. April 18, 1990.
14. Factors in Ease of Conversion from a Markup Language into Hypertext. Talk given at New Directions in Corporate Electronic Publishing, April 23–24, 1990.
15. Hypertext 2000: Databases or Documents? In TECH 2000 series "The Information World of the Future: Hypermedia and Electronic Publishing," November 1, 1990.
16. Opening speaker, Conference on Text Processing, A.I.C.A., Milan, Italy, March 18, 1992 (invited). "Data Representation in Hypertext: Active versus Passive." For associated paper, see entry 2 in the list of articles in unrefereed conference proceedings.
17. Trellis Hypertext. Colloquium, Computer Science Department, University of Maryland Baltimore County. October 6, 1992.
18. Process-based specification of structured interaction. Colloquium, Computer Science Department, Portland State University. January 11, 1993.
19. Trellis: Hypertext Representation of Process and Protocol. Computer Science Department. Texas A&M University. February 9, 1994.
20. Overview of Research Activities at the Hypermedia Research Laboratory. (Presented with John Leggett, Cathy Marshall, and Frank Shipman.) Keck Seminar Series in Informatics, Albert B. Alkek Institute of Biosciences & Technology, Houston, TX. April 13, 1995.

21. Invited speaker, International Symposium on Digital Libraries 1995, Tsukuba, Ibaraki, Japan, August 25, 1995, "Documents in the Digital Library." For associated paper, see entry 4 in the list of articles in unrefereed conference proceedings.
22. Invited speaker, Frontier Technologies Forums, Mequon, WI, December 7, 1995, "World-Wide Digital Libraries: Technology Transfer from Research into Practice."
23. Invited speaker, University of Wisconsin–Milwaukee, Computer Science Seminar, Milwaukee, WI, December 8, 1995, "Modernizing the World Wide Web's Hypertextual Foundations."
24. Presentation during the Texas A&M University Internet Awareness Week by Eduardo Urbina, Richard Furuta, and Shueh-Chen Hu, "Cervantes International Bibliography On-line (CIBO) and Digital Libraries," November 6, 1996.
25. University of California, Berkeley, Computer Science (CS 294-5 seminar: Digital Documents, Robert Wilensky host), "Two Examples of Applying Document-centered Hypertext Research to the World-Wide Web", November 18, 1996.
26. Univ. of North Texas Interdisciplinary PhD Colloquium, School of Library and Information Science, "Projects in the Center for the Study of Digital Libraries," December 13, 1996.
27. Texas Biotechnology Teacher Enhancement Project Summer Institute, "Walden's Paths," June 11, 1997 (with Frank Shipman).
28. Fondren Information Technology Lecture Series, Rice University, "Supporting Information Discovery in Digital Libraries with Meta-documents: Early experience with Walden's Paths," November 7, 1997.
29. "Building Digital Libraries with Content of Multi-national Interest," Keynote, NSF–ConacyT–ISTEC Workshop on Digital Libraries, Albuquerque, New Mexico, July 7–9, 1999.
30. "Targeted Research (Walden's Paths)." NSDL All-Projects Meeting, December 3, 2002, Washington, DC.
31. "Humanities Informatics: The Texas A&M University Initiative." Texas A&M University Computer Science Department CPSC 681 Seminar, April 7, 2004.
32. "Humanities Informatics: The Texas A&M University Initiative." Grinnell College Computer Science Department, April 16, 2004.
33. "Humanities Informatics: The Texas A&M University Initiative and the Center for the Study of Digital Libraries (CSDL)." 2005 Bi-annual IAP Meeting, Department of Computer Science, Texas A&M University, March 2, 2005.
34. "Imaging the *Quixote*: A Digital Iconography." *Don Quixote* Illustrated: Textual Images and Visual Readings. A Symposium and an Exhibit in Celebration of the 4th Centenary of the *Quixote*, 1605–2005. March 29, 2005.
35. "Humanities Informatics: Supporting interdisciplinary synergistic research." University of Oregon, Department of Computer Science, Colloquium, April 4, 2005.
36. "Digital Libraries Research at the CSDL," (Richard Furuta and John Leggett). Dia CUDI Virtual de Bibliotecas Digitales, Corporación Universitaria para el Desarrollo de Internet A.C., México, April 13, 2005.
37. Invited panelist, Texas A&M University President's Humanities Roundtable (Topic: Humanities and Education). October 4, 2006.
38. "Digital Libraries and Digital Humanities: Experiences with Research Partnerships among the Liberal Arts, the University Libraries, and Computing." University of Iowa, School of Library and Information Science, Colloquium, 11/17/08.

39. "Digital Libraries and Digital Humanities: Experiences with Research Partnerships among the Liberal Arts, the University Libraries, and Computing." University of Texas, School of Information, Digital Libraries Research Seminar, 11/25/09.

Contributed talks (refereed)

1. Experimental Evaluation of Programming Language Features: Implications for Introductory Programming Languages. Presented at the Tenth SIGCSE Technical Symposium on Computer Science Education, February 1979. (See articles in refereed conference proceedings entry 1 for associated paper.)
2. An Integrated, but not Exact-Representation Editor/Formatter. Presented at EP86, an International Conference on Text Processing and Document Manipulation, Nottingham, England, April 14–16, 1986. (See book chapter entry 2 for associated paper.)
3. Trends in Interactive Preparation of Documents. Presented at Spring COMPCON 87, San Francisco, February 23–27 1987. (See articles in refereed conference proceedings entry 3 for associated paper.)
4. Specifying Structured Document Transformations. EP88, International Conference on Electronic Publishing, Document Manipulation, and Typography, Nice, France, April 20–22, 1988. (See book chapter entry 5 for associated paper.)
5. Object Structures in Paper Documents and Hypertexts. WOODMAN '89: Workshop on Object-Oriented Document Manipulation, Rennes, France, May 29–31, 1989. (See entry 7 in articles in refereed conference proceedings for associated paper).
6. Programmable Browsing Semantics in Trellis. Hypertext '89, November 5–8, 1989, Pittsburgh, PA. (See entry 12 in articles in refereed conference proceedings for associated paper.)
7. The Trellis Hypertext Reference Model. NIST Hypertext Standardization Workshop, January 16–18, 1990, Gaithersburg, MD. (See entry 13 in articles in refereed conference proceedings for associated paper.)
8. Dynamic Adaptation of Hypertext Structure. Hypertext '91, December 15–18, 1991. (See entry 15 in articles in refereed conference proceedings for associated paper.)
9. Experiences with a Client-Server-based Architecture for a Distributed Structured Hypertext System. EP92, April 8–10, 1992. (See entry 16 in articles in refereed conference proceedings for associated paper.)
10. Defining and Using Structure in Digital Documents. Digital Libraries 94, June 1994. (See entry 23 in articles in refereed conference proceedings for associated paper.)
11. Physical Objects in the Digital Library. Digital Libraries 96, March 11–22, 1996. (See entry 31 in articles in refereed conference proceedings for associated paper.)
12. "Hypertext Paths and the World-Wide Web: Experiences with Walden's Paths," Hypertext '97: the Eighth ACM Conference on Hypertext, Southampton, U.K., April 6–11 1997. (See entry 35 in articles in refereed conference proceedings for associated paper.)
13. "A Tool for Maintaining Multi-variant Hypertext Documents," 7th International conference on Electronic Publishing (EP'98), St. Malo, France, March/April 1998. (See entry 39 in articles in refereed conference proceedings for associated paper.)
14. "Using the Internet in the Classroom: Variety in the Use of Walden's Paths," ED-MEDIA 99: World Conference on Educational Multimedia, June 23, 1999. (See entry 46 in refereed conference proceedings for associated paper.)
15. "Towards an Electronic Variorum Edition of *Don Quixote*," The First ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL 2001), June 28, 2001. (See entry 55 in refereed conference proceedings for associated paper.)

16. "The Cervantes Project: Steps to a Customizable and Interlinked On-line Electronic Varorium Edition Supporting Scholarship," European Conference on Digital Libraries (ECDL) 2001, September 5, 2001. (See entry 57 in refereed conference proceedings for associated paper.)
17. "Applying Programmable Browsing Semantics Within the Context of the World-Wide Web," Hypertext 2002, June 20, 2002. (See entry 59 in refereed conference proceedings for associated paper.)
18. "On the Characteristics of Scholarly Annotations," Hypertext 2002, June 20, 2002. (See entry 60 in refereed conference proceedings for associated paper.)
19. "Towards an Electronic Variorum Edition of Cervantes' *Don Quixote*: Visualizations that support preparation," ACM/IEEE-CS Joint Conference on Digital Libraries, July 16, 2002. (See entry 62 in refereed conference proceedings for associated paper.)
20. "Visualization of Variants in Textual Collations to Analyze the Evolution of Literary Works in The Cervantes Project," European Conference on Digital Libraries, September 18, 2002. (See entry 64 in refereed conference proceedings for associated paper.)
21. "Applying caT's Programmable Browsing Semantics to Specify World-Wide Web Documents that Reflect Place, Time, Reader, and Community," ACM Symposium on Document Engineering, November 8, 2002. (See entry 65 in refereed conference proceedings for associated paper.)
22. "Tools for a New Generation of Scholarly Edition Unified by a TEI-based Interchange Format," ACM/ IEEE Joint Conference on Digital Libraries, Tucson, AZ, June 11, 2004. (See entry 73 in refereed conference proceedings for associated paper.)
23. "Visual Knowledge: Textual Iconography of the *Quixote*, a Hypertextual Archive." ACH/ALLC 2005, Victoria, Canada, June 17, 2005. (See entry 80 in refereed conference proceedings for associated paper.)
24. "Integrating Diverse Research in a Digital Library Focused on a Single Author." European Conference on Digital Libraries, ECDL 2005, Vienna, Austria,September 19, 2005. (See entry 81 in refereed conference proceedings for associated paper.)
25. "Keeping narratives of a desktop to enhance continuity of on-going tasks." Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital Libraries, 2008, Pittsburgh, PA, June 19, 2008. (See entry 101 in refereed conference proceedings for associated paper.)
26. "Supporting the Creation of Scholarly Bibliographies by Communities through Social Collaboration." Digital Humanities 2009. (See entry 110 in refereed conference proceedings for associated paper.)
27. "Using an Ontology and a Multilingual Glossary for Enhancing the Nautical Archaeology Digital Library." 10th Annual Joint Conference on Digital Libraries (JCDL 2010). (See entry 120 in refereed conference proceedings for associated paper.)

Other miscellaneous lectures

- Computer Science Center Short Course. "An Introduction to Do-it-yourself Typesetting with LATEX and TEX." November 17, 1986 (half day).
- A Quick Introduction to the LATEX Environment. National Institute of Standards and Technology. September 27, 1989.

Technical panels

1. Panel titled "Hypertext and Electronic Publishing." Organizer and participant. European Conference on Hypertext, November 1990. See book chapter entry 9 for associated publication.
2. Panel titled "Hypermedia Production: Handcraft or Witchcraft." Participant. European Conference on Hypertext (Fourth ACM Conference on Hypertext), December 1992. Associated description appeared in D. Lucarella, J. Nanard, M. Nanard, and P. Paolini, editors, *Proceedings of the ACM Conference on Hypertext (ECHT '92)*, (November 30–December 4, 1992, Milan, Italy), ACM Press 1992, pp. 282-283.

3. Panel titled "Technical Infrastructure for Collaborative Systems." Participant. NSF CTCT '95 Workshop (Coordination Theory and Collaboration Technology), March, 1995.
4. Panel on "Changing Centers of Digital Scholarship: Engaging Students and Faculty," Participant. Knowledge Futures, organized by The Halle Institute, Emory University, April 26, 2010.

Professional technical course (refereed)

1. Organizer and one of three instructors, "Structured Documents," presented in association with the ACM Conference on Document Processing Systems, December 4, 1988, Santa Fe, New Mexico.

PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITIES

In reverse chronological order within a subcategory.

Professional offices held

- Member, Digital Advisory Committee, Records of Early English Drama, 2013–2016. Member, Digital Implementation Committee, Records of Early English Drama, 2008–2013.
- Chair (elected), 2010–2013, IEEE-CS Technical Committee on Digital Libraries (TCDL).
- Executive Committee (Steering Committee), IEEE-CS Technical Committee on Digital Libraries (TCDL), member since fall 2001. First Vice Chair, 2007–2008. Chair (elected), 2010–2013.
- Member, ACM SIGWEB nominating committee, 2005 election.
- ACM, SIG Governing Board Executive Committee, selected by vote of SIG Chairs, October 1998–June 1999. Reelected for term July 1999–June 2001. Vice Chair for SIG Development (1998–1999), Secretary (1999–2000, 2000–2001).
- ACM, member-at-large SIG Board, selected by vote of SIG Chairs, February 1997–October 1998.
- Association for Computing Machinery/ACM, SIGLINK Chair, elected, November 1993–June 30, 1995. Term extended, fall 1995, until June 30, 1997.
- TEX Users Group.

    - Unix Site Coordinator, appointed, November 1982–October 1985 (With Pierre MacKay of the University of Washington).
    - Steering committee member at large, elected, August 1985–August 1988.
    - Vice President, elected, August 1988–June 1991.
    - Member of the steering committee (by virtue of other offices), November 1982–August 1988.
    - Member of the board of directors (by virtue of other offices), August 1988–June 1991.
    - Member of the finance committee (by virtue of other offices), August 1985–June 1991.
    - Member of the executive committee (by virtue of other offices), August 1988–June 1991.

Reviewing of Journal Papers/Research Proposals

Academic peer reviewing activities

- Reviewer for *ACM Transactions on Office Information Systems* since 1984. (Journal retitled *ACM Transactions on Information Systems* in 1989.
- Reviewer for *Software—Practice and Experience* since 1984.
- Reviewer for Addison-Wesley since 1986.
- Reviewer for the *International Journal of Man–Machine Studies*, since 1987.
- Reviewer for *IEEE Computer* since 1987.
- Reviewer for *IEEE Transactions on Software Engineering*, 1988.
- Reviewer for *Interacting with Computers*, 1989.

- Reviewer of the ACM Hypertext Compendium, 1991.
- Reviewer for *Hypermedia*, since 1991.
- Reviewer for the 9th International Conference on Software Engineering, 1986.
- Reviewer for the 10th International Conference on Software Engineering, 1987.
- Reviewer for ACM Hypertext '89, 1989.
- Reviewer for SEKE '93, 1993 International Conference on Software Engineering and Knowledge Engineering, 1993.
- Member, Final Review Panel, Interdisciplinary Research Initiatives, FY 1995 (spring 1995).
- Reviewer for *ACM Journal on Educational Resources in Computing (JERIC)*, since 2000.
- Reviewer for *Journal of Digital Libraries*, since 2002.
- Reviewer for *ACM Transactions on Software Engineering and Methodology (TOSEM)*, 2002-2003.
- Reviewer for the *World Wide Web Journal* (Springer), since 2005.
- Reviewer for the *Journal of the American Society for Information Science and Technology (JASIST)*, since 2005.
- Reviewer for *International Journal of Web Engineering and Technology (IJWET)*, 2006.

Unpaid reviewing activities for agencies

- Panel, National Science Foundation Small Business Innovation Research (SBIR) program, Division of Computer and Computational Research, September 25, 1987.
- Panel, National Science Foundation Instrumentation and Laboratory Improvement, February 3–6, 1993. (Panel chair.)
- National Science Foundation, reviewer for proposals since August 1988.
- National Institute of Standards and Technology, Advanced Technology Program, Spring 1993.
- Natural Sciences and Engineering Research Council of Canada, proposal reviewer in 1996 and 1998.
- Panel, National Science Foundation, CISE directorate CAREER panel, November 1998.
- Reviews for NSERC (Canada) 1999–2001, 2002–2003, 2003–2004.
- Reviews for Swiss National Science Foundation, 1999–2001.
- Panel, National Science Foundation, CISE directorate ITR program (medium-sized proposals), June 2001.
- Proposal reviewer for the Lousiana Board of Regents Support Fund, FY 2004-2005.

Selected Texas A&M University service

- Convener, Texas A&M University Glasscock Center for Humanities Research Digital Humanities Working Group, Fall 2007–Fall 2017.
- Course Coordinator, EPICS (Engineering Projects in Community Service), Texas A&M University, College of Engineering, Fall 2009–Spring 2014.
- Coordinator, Texas A&M University Graduate Certificate in Digital Humanities, Fall 2008–Fall 2011.
- Member, search committee for Director, Institute for Digital Humanities, Media, and Culture, 2010–2011. Member, search committee for Associate Director, Initiative for Digital Humanities, Media, and Culture, 2012–2014.

Texas A&M University service

Activities, current year

- Convener, Texas A&M University Glasscock Center for Humanities Research Digital Humanities Working Group, Fall 2007–Fall 2017.

- Computer Science and Engineering Department Promotion and Tenure Committee, Fall 2002, January 2004–December 2006, January 2007–December 2008, January 2009–December 2011, January 2012–December 2014, January 2015–December 2016, January 2017–December 2019 (elected position).
- Computer Science Department Undergraduate Curriculum and ABET Committee, 2006–2007, 2007–2008, 2008–2009, 2009–2010, 2010–2011, 2011–2012, 2012–2013, 2013–2014, 2014–2015, 2015–2016, 2016–2017, 2017–2018 academic years (ex officio).
- Computer Engineering Curriculum Coordination Committee, 2006–2007, 2007–2008, 2008–2009, 2009–2010, 2010–2011, 2013–2014, 2014–2015, 2017–2018 academic years (ex officio).
- Visualization Joint Committee, 2009–2010, 2010–2011, 2014–2015, 2015–2016, 2016–2017, 2017–2018 academic years.
- Computer Science Department Undergraduate Student Awards Committee, 2006–2007, 2007–2008, 2013–2014, 2014–2015, 2015–2016, 2016–2017, 2017–2018 academic years (ex-officio member)
- College of Engineering BS ITDE Advisory Committee, 2015 to present.
- College of Engineering McAllen Faculty Search Committee, 2018.

Activities; previous years

- Course Coordinator, EPICS (Engineering Projects in Community Service), Texas A&M University, College of Engineering, Fall 2009–Spring 2014.
- Coordinator, Texas A&M University Graduate Certificate in Digital Humanities, Fall 2008–Fall 2011.
- Member, search committee for Director, Institute for Digital Humanities, Media, and Culture, 2010–2011. Member, search committee for Associate Director, Initiative for Digital Humanities, Media, and Culture, 2012–2014.
- Computer Science Departent APT Faculty Search Committee, 2015–2016 academic year; 2016–2017 academic year.
- Departmental Growth Committee, Spring semester 2013–2016.
- College of Engineering EASA Advisory Committee, 2013 to 2015.
- College of Engineering Entry to A Major Committee, 2014 to 2015.
- Computer Science Department Faculty Search Committee, all 2014–Spring 2015.
- College of Engineering Promotion and Tenure Committee (CETPAC), Academic years 2012-2013 and 2013-2014.
- College of Engineering Engineering Scholars Program, CPSC/CECN coordinator, 2007–2008, 2008–2009, 2009–2010, 2010–2011, and 2011-2012 academic years.
- College of Engineering, ESSAP, ENGR majors' informational letter committee.
- Member, grievance committee, College of Engineering, Texas A&M University, November 2009–March 2010.
- *Who's Who Among Students in American Universities and Colleges* Texas A&M University selection committee, 2010.
- Computer Science and Engineering Department Undergraduate Retention committee, 2009–2010.
- Texas A&M University Undergraduate Admissions Advisory Committee (UAAC), 2007–2008 academic year.
- Computer Science Department Undergraduate Recruiting Committee, 2006–2007 academic year.
- College of Engineering Faculty Advisory Committee, Department of Computer Science representative, fall semester 2003, from 2004–2005 academic year through 2006–2007 academic year (elected position). Elected Secretary of the Committee, December 2004–May 2006.
- Humanities Informatics Task Force Steering Committee member, spring 2002 to present.

- Departmental junior faculty mentoring: Tracy Hammond (Spring 2007–).
- Departmental junior faculty mentoring: Andruid Kerne (Fall 2004–).
- College of Engineering Epik-Maestro Advisory Committee, Summer and Fall 2006.
- Chair, organizing committee for 2006 Computer Science Department High School Contest (focus on Human-Computer Interaction this year). Interface 2006 held October 7, 2006. 2005–2006.
- Computer Science Department Computer Services Advisory Committee chair, 2005–2006 academic year.
- College of Engineering Honors and Awards Committee. 2005–2006 academic year.
- Computer Science Distinguished Former Student Award selection committee, Fall 2005.
- Computer Science Department Graduate Admissions Committee (GAAC), 1995–1996, 1996–1997, 1997–1998, 1998–1999, 2004–2005, and 2005–2006 academic years.
- Computer Science Department Undergraduate Recruiting Committee, 2005–2006 academic year.
- Chair, Departmental task force to evaluate feasibility of a new degree in Information Science Engineering, 2004–2005 academic year.
- Departmental ABET Preparation Committee, 2004-2005.
- Participant, Faculty Panel for Grad. Orientation II, 9/1/04.
- Distinguished Former Student Award selection committee, August 2004.
- Departmental Distance Education committee, Spring and Summer 2004, and academic year 2004-2005.
- Undergraduate Curriculum Committee, chair, 2003–2004 academic year.
- Computing Services Advisory Committee, 2002–2003, 2003–2004 academic years.
- Computer Science Department Mentor Pool, spring 1998–.
- Departmental Graduate Advisory Committee, 1993–1994 and 1994–1995 (also served on reformulated GAC, spring 1995), 1995–1996, 1996–1997, 1997–1998, 1998–1999, 1999–2000, 2000–2001, 2001–2002 (chair), 2002–2003 (chair) academic years.
- Departmental Head search committee, 2001–2002 academic year.
- Departmental Endowed Chair search committee, 2001–2002 academic year.
- College of Engineering Awards Committee, academic years 2000–2003.
- Departmental Software Engineering (SE) Lab Preparation Committee, 2000-2001 academic year.
- Department Undergraduate Awards Committee (chair), 1999–2000 and 2000–2001 academic years.
- Department Faculty and Staff Awards Committee, academic years 1998–1999 and 1999–2000.
- Department Strategic Planning Committee, 1998.
- Faculty recruiting committee, 1996–1997, and 1997–1998 academic years.
- TQM Committee on Computing Services, 1997–1998.
- Admissions Policy Review Committee, 1997-1998.
- Member, College of Engineering Graduate Instruction Committee (representative from CPSC), spring 1995–August 1995.
- TEES/COE Computing Coordination Committee, fall 1995.
- Member, ad-hoc CSD department on computer recharges, fall 1995.
- Departmental Library Committee (head), 1994–1995 academic year.
- Departmental Colloquium Committee, 1994–1995 academic year.
- Department Computing Advisory Committee, 1994–1995, and 1995–1996 academic years.
- Area 3 coordinator (software systems), 1993–1994 academic year and fall 1994 semester.
- Departmental Undergraduate Curriculum Committee, 1993–1994 academic year.
- Fundamental Exam II coordinator, fall 1993.
- Marshall, fall 1993 and fall 1997 graduations.
- Organized and moderated session on "Current Projects in the Hypermedia Research Laboratory" and

presented short talks on the "Hypermedia Research Laboratory," "Trellis," and "Digital Libraries" for the Computer Science Research Review, Texas A&M University, May 16–17, 1994.

SUMMARY

Number of Publications

Refereed Journal: 32   Refereed Conference Proceedings: 165   Other Conference Proceedings: 5
Books Edited: 8   Book Chapters: 20   Other publications: 58 (excludes reports and editorials)

Students Graduated: 15 Ph.D.   36 MS/MCS