

A. Professional Preparation

MIT Electrical Engineering (Computer Science Option), B.S., 1972

Cornell Computer Science, M.S., 1981

Cornell Computer Science, Ph.D., 1983

B. Appointments

- 1/98- Director, Digital Library Research Laboratory, VPI&SU (Virginia Tech)
4/95- Professor, Dept. of Computer Science, VPI&SU (Virginia Tech), 24061 USA
6/90-12/02 Associate Director for Research, VPI&SU (Virginia Tech) Computing Center
5/88-4/95 Associate Professor, Dept. of Computer Science, VPI&SU
9/83-5/88 Assistant Professor, Dept. of Computer Science, VPI&SU

C. Publications (over 310, including)**Publications (Selected Related):**

- Seonho Kim, Subodh Lele, Sreeram Ramalingam, Edward A. Fox. Visualizing User Communities and Usage Trends of Digital Libraries Based on User Tracking Information. ICADL 2006, Kyoto, Springer LNCS 4312
Rao Shen, Naga Srinivas Vemuri, Weiguo Fan, Ricardo da S. Torres, Edward A. Fox. Exploring Digital Libraries: Integrating Browsing, Searching, and Visualization. Proc. JCDL 2006, June 11-15, Chapel Hill, 1-10
Nithiwat Kampanya, Rao Shen, Seonho Kim, Chris North, and Edward A. Fox. Citiviz: A Visual User Interface to the CITIDEL System. In Research and Advanced Technology for Digital Libraries: Proceedings 8th European Conference, ECDL 2004, Bath, UK, September 12-17, 2004, Springer LNCS 3232, 122-133
S. Perugini, K. McDevitt, R. Richardson, M. Perez-Quinones, R. Shen, N. Ramakrishnan, C. Williams, and E. A. Fox. Enhancing Usability in CITIDEL: Multimodal, Multilingual, and Interactive Visualization Interfaces. In Proc. 4th ACM/IEEE Joint Conf. on Digital Libraries: JCDL2004, Tucson, AZ, June 7-11, pp. 315-324
Marcos Andre Goncalves and Edward A. Fox. 5SL – A Language for Declarative Specification and Generation of Digital Libraries. Long paper in Proc. JCDL'2002, Second Joint ACM / IEEE-CS Joint Conference on Digital Libraries, July 14-18, 2002, Portland, pp. 263-272

Publications (Selected Other):

- Marcos Andre Goncalves, Barbara L. Moreira, Edward A. Fox, and Layne T. Watson. "What is a good digital library?" - A quality model for digital libraries. Information Processing and Management (2007), to appear
Manas Tungare, Xiaoyan Yu, William Cameron, GuoFang Teng, Manuel Perez-Quinones, Lillian Cassel, Weiguo Fan, Edward Fox. Towards a Syllabus Repository for Computer Science Courses, Full paper accepted for ACM SIGCSE 2007, March 7-10, 2007, Covington, KY
Edward A. Fox, Fernando Das Neves, Xiaoyan Yu, Rao Shen, Seonho Kim, and Weiguo Fan. Exploring the computing literature with visualization and stepping stones & pathways. CACM 49(4): 52-58, April 2006
Rao Shen, Jun Wang, and Edward A. Fox. A Lightweight Protocol between Digital Libraries and Visualization Systems. In Proceedings of JCDL Workshop on Visual Interfaces to Digital Libraries, July 18, 2002, Portland, eds. Katy Borner & Chaomei Chen, Springer Verlag, LNCS Series, Vol 2539, 2002, pp. 217-225
Edward A. Fox and Shalini R. Urs. Digital Libraries. Annual Review of Information Science and Technology, ed. Blaise Cronin, Vol. 36, Ch. 12, pp. 503-589, 2002.

D. Synergistic Activities**Current**

- Chairman, IEEE Technical Committee on Digital Libraries, IEEE Computer Society (www.ieee-tcdl.org)
Executive Director, Networked Digital Library of Theses and Dissertations (www.ndltd.org), the worldwide organization promoting collection and sharing of electronic theses and dissertations
Director, Computing and Information Technology Interactive Digital Educational Library (CITIDEL, an NSDL collection project launched fall 2001, www.citidel.org), harvesting and sharing roughly .5M educational resources to promote teaching and learning related to computing
Editorial Board: ACM Trans. Info. Systems, Inf. Proc. Mgmt., Int. J. on Digital Libraries, JEMH, MTAP
Editor, Morgan Kaufmann Publishers, Inc. Series on Multimedia Information and Systems
Member, Steering Committee, Joint Conference on Digital Libraries (JCDL)

Member, Steering Committee, International Conference of Asian Digital Libraries (ICADL)
Member, JISC Advisory Group, Programmes on Digital Repositories, Digital Asset Management & Preservation
Member, Advisory Board, EU funded DELOS Network of Excellence on Digital Libraries

Prior

Program chair of the Information Retrieval track, ACM CIKM 2006, Arlington, VA, Nov. 6-11, 2006
Chair, National Science Digital Library (NSDL) Policy Committee (2002-2003, member through 2004)
Co-Editor-in-Chief, ACM J. of Educational Resources in Computing (JERIC, www.acm.org/pubs/jeric)
Co-chair, Program Committee, 8th Int'l Con Asian Digital Libraries (ICADL 2005), Bangkok, Thailand
Chair: First ACM/IEEE-CS Joint Conference on Digital Libraries, JCDL'2001, Hotel Roanoke and Conference Center, Roanoke, VA, June 24-28, 2001, www.jcdl.org

E. Collaborators & Other Affiliations

Collaborators and Co-Editors (other than those listed below)

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Postgraduate-Scholar Sponsor (over 12): J.-M. Bae (Gyeongsang Natl. U.), L. Cassel (Villanova U.), B. Chauhan (Thapar Inst.), P. Cheemalavagupalli (U. Hyderabad), R. da S. Torres (UNICAMP), P. de la Fuente (U. Valladolid), R. Gaur (MDI, Gurgaon), B. Kim (Acad. Korean Studies), M.H. Lee (Chungnam Natl. U.), D. Madali (Indian Stat. Inst.), A. Maeda (Ritsumeikan U.), S. Urs (U. Mysore)