

EDWARD A. FOX

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A. VITAE

EDUCATION:

8/83 Ph.D. Computer Science, Cornell University
1/81 M.S. Computer Science, Cornell University
2/72 B.S. Electrical Engineering (Computer Science Option), M.I.T.

RECENT EMPLOYMENT:

1/98- Director, Digital Library Research Laboratory, VPI&SU (Virginia Tech)
6/90- Associate Director for Research, VPI&SU (Virginia Tech) Computing Center
4/95- Professor, Dept. of Computer Science, VPI&SU (Virginia Tech),
660 McBryde Hall, Blacksburg VA 24061-0106 USA
5/88-4/95 Associate Professor, Dept. of Computer Science, VPI&SU
9/83-5/88 Assistant Professor, Dept. of Computer Science
Virginia Polytechnic Institute and State University

PROFESSIONAL SERVICE:

CURRENT (Selected):

Program chair, ACM Digital Libraries '99, Berkeley CA, August 11-14, 1999
Member: OCLC Research Advisory Council; SIGIR Educ. Comm, SIGMM Education Comm. (co-chair)
Editor, Morgan Kaufmann Publishers, Inc. Series on Multimedia Info. and Systems
Editorial boards: Electronic Publishing - Origination, Dissemination and Design Journal;
IEEE Multimedia; Information Processing and Management; Journal of
Educational Multimedia and Hypermedia; Journal for Universal Computer Science;
Multimedia Systems; Multimedia Tools and Applications

RECENT (Selected):

Program chair, ACM Digital Libraries '96, Bethesda MD, 3/20-23/96; SIGIR '95, Seattle, WA, 7/9-13/95
Chair, ACM SIGIR (Special Interest Group on Information Retrieval), 1991-95
Vice Chair, ACM SIGIR (Special Interest Group on Information Retrieval), 1987-91
Editor-in-chief ACM Press Database and Electronic Products, 1988-91
Founder/Chair ACM: DL Conf. Steering Comm., 1995-98; Multimedia Conf. Steering Comm., 1992-94
Program committee member: ACM DL '96-99; Multimedia '93-96,98-99; SIGIR '89-99; ...

GRANTS/CONTRACTS: Over 58 proposals funded for over \$7M since 1983

TUTORIALS: Over 35: digital libraries, hypertext, information retrieval, multimedia, ...

ORAL PRESENTATIONS: Over 150 besides those with publications

B. PUBLICATIONS (over 150, including):

PUBLICATIONS (Selected Related):

E. Fox and G. Marchionini. Toward a Worldwide Digital Library. Guest Editors' Introduction to special section (pp. 28-98) on Digital Libraries: Global Scope, Unlimited Access. *Commun. of the ACM*, Apr. 1998, 41(4): 28-32. <http://purl.lib.vt.edu/dlib/pubs/CACM199804>
E. Fox, J. Eaton, G. McMillan, N. Kipp, P. Mather, T. McGonigle, W. Schweiker, and B. DeVane. Networked Digital Library of Theses and Dissertations: An International Effort Unlocking University Resources. *D-Lib Magazine*, September 1997.
E. Fox, R. Akscyn, R. Furuta, and J. Leggett. Guest Editors' Introduction to Digital Libraries. *Commun. ACM*, Apr. 1995, 38(4):22-28 (plus co-authored 3 other short articles in this issue).

- L. Heath, D. Hix, L. Nowell, W. Wake, G. Averboch, and E. Fox. Envision: A User-Centered Database from the Computer Science Literature. *Commun. of the ACM*, Apr. 1995, 38(4):52-53.
- E. Fox, D. Hix, L. Nowell, D. Brueni, W. Wake, L. Heath, and D. Rao. Users, User Interfaces, and Objects: Envision, a Digital Library. *Journal of the American Society for Information Science (JASIS)*, Sept. 1993, 44(8): 480-491.

PUBLICATIONS (Selected Other):

- E. Fox. Advances in Interactive Digital Multimedia Systems. *IEEE Computer*, Oct. 1991, 24(10): 9-21. Reprinted in *Readings in Groupware and Computer Supported Cooperative Work*, ed. Ron Baecker, Morgan Kaufmann, San Mateo, CA, 1993, 342-354 and as Chapter 1 of *Multimedia Computing: Preparing for the 21st Century*, ed. Sorel Reisman, Idea Group Publishing, Harrisburg, PA, 1994, 3-33.
- E. A. Fox, L. S. Heath, Q.-F. Chen, and A. M. Daoud. Practical Minimal Perfect Hash Functions for Large Databases. *Commun. of the ACM*, Jan. 1992, 35(1):105-121.
- E. Fox. Standards and the Emergence of Digital Multimedia Systems. *Comm. ACM*, Apr. 1991, 34(4):26-29. Guest editor introduction, Special Section on Digital Multimedia.
- E. Fox. The Coming Revolution in Interactive Digital Multimedia Systems. *Commun. of the ACM*, 1989, 32(7): 794-801. Guest ed. intro. Spec. Section on Interactive Technologies.
- E. Fox and R. France. Architecture of an Expert System for Composite Document Analysis, Representation and Retrieval. *International Journal of Approximate Reasoning*, 1987, 1(2):151-175. Reprinted in *Readings in Information Retrieval*, eds. Karen Sparck Jones & Peter Willett, pp.400-412.

C. COLLABORATORS IN RECENT YEARS:

G. Abdulla, M. Abrams, Z. Ahmed, R. Akscyn, E. Arce, R. Ashany, G. Averboch, R. Baeza-Yates, O. Balci, N. Barnette, M. Bayraktar, N. Belkin, S. Betrabet, E. Blythe, D. Brueni, F. Can, J. Carroll, L. Carstensen, Q. Chen, S. Chen, B. Cline, A. Cohill, B. Cross, J. Crowder, A. Daoud, S. Datta, N. Davis, B. DeVane, W. C. Dougherty, G. Downey, J. Eaton, R. Ehrich, M. Evens, W. Farley, R. France, J. French, H. Fuks, R. Furuta, J. Gaboury, P. Gherman, H. Gladney, J. Guidi, S. Guyer, R. Hall, D. Harman, H. Hartson, L. Heath, N. Herther, D. Hix, T. Johnson, P. Kantor, L. Kieffer, N. Kipp, M. Kirschenbaum, M. Koll, M. Koushik, S. Kriss, M. Lambur, J. Lee, W. Lee, J. Leggett, B. Liu, J. Lundeen, L. Lunin, K. Maly, G. Marchionini, P. Mather, T. McGonigle, G. McMillan, J. Menezes, J. Merola, S. Midkiff, M. Miller, V. Miranda, R. Modlin, R. Morrill, A. Narasimhan, S. Newcomb, L. Nowell, G. Nunn, J. Nutter, S. Patel, J. Pollard, G. Pulido, Y. Qian, D. Rao, M. B. Rosson, B. Rous, R. Quizon, E. Sahle, E. Schwartz, W. Schweiker, A. Selman, C. Shaffer, Poorav Shah, J. Shaw, A. Siochi, C. Snavelly, O. Sornil, C. Standridge, P. Thompson, L. Tinoco, Cengiz Ulusaraç, B. Vadapalli, W. Wake, S. Wartik, M. Weaver, L. Weiss, J. Wiencko, S. Williams, R. Williges, L. Wilson, M. Zemankova, C. Zhang

D. GRADUATE STUDENTS IN RECENT YEARS:

G. Abdulla, R. Barnhart, S. Betrabet, Q. Chen, A. Daoud, S. Datta, R. France, W. Heagy, N. Kipp, M. Koushik, S. Kriss, W. Lee, B. Liu, P. Mather, J. Menezes, A. Narasimhan, G. Nunn, O. Sornil, S. Patel, D. Rao, R. Quizon, V. Riggins, E. Sahle, J. Shaw, M. Subhas, W. Wake, M. Weaver Smith, S. Winett

E. OWN ADVISOR:

G. Salton (deceased)