

## Bio Sketch

**EDWARD A. FOX**

(fox@vt.edu, <http://fox.cs.vt.edu/>)

### **A. CV: 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):**

Past Chair, NSDL Policy Committee (i.e., the steering committee for NSDL governance)  
Director, Computing and Information Technology Interactive Digital Educational Library (CITIDEL, an NSDL collection project launched fall 2001, <http://www.citidel.org>)  
Co-Principal Investigator, Computer Science Teaching Center (<http://www.cstc.org>)  
Co-Editor-in-Chief, ACM Journal of Educational Resources in Computing (JERIC)  
Director, Internet Technology Innovation Center at Virginia Tech (<http://www.internettic.org>)  
Director, Networked Digital Library of Theses and Dissertations (<http://www.ndltd.org>)  
Program committee member, ACM JCDL'2003, ECDL'2003, ICADL'2003, SPIRE'2003  
Member: Open Archives Initiative Steering Committee; D-Lib Forum Advisory Board; ...  
Editor, Morgan Kaufmann Publishers, Inc. Series on Multimedia Info. and Systems  
Editorial boards: ACM Trans. On Information Systems, Electronic Publishing - Origination, Dissemination and Design J.; IEEE Multimedia; IMEJ of Computer-Enhanced Learning; Info. Processing & Management; J. Educational Multimedia and Hypermedia; Journal for Universal Computer Science; Multimedia Tools and Applications

#### **RECENT (Selected):**

Chair, First Joint ACM/IEEE-CS Conference on Digital Libraries (JCDL'2001, <http://www.jcdl.org>)  
Program chair, 1999 Virginia Internet Week, Blacksburg, VA, September 13-17, 1999  
Program chair, ACM Digital Libraries '99, Berkeley CA, August 11-14, 1999  
Program chair, ACM Digital Libraries '96, Bethesda MD, 3/20-23/96; SIGIR '95, Seattle, WA, 1995  
Member: OCLC Research Advisory Council; NCSTRL working group (<http://www.ncstrl.org>)  
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 '96-00; ACM Multimedia '93-96,98-99; ACM SIGIR '89-01; ASIS 1999 Midyear; CIKM'99; ECDL'2001; ICON'99; ICSC'99; MIS'99; SPIRE'01; ...

**GRANTS/CONTRACTS:** Over 80 proposals funded for over \$12M since 1983

**TUTORIALS:** Over 55: digital libraries, hypertext, information retrieval, multimedia, ...

**ORAL PRESENTATIONS:** Over 120 besides those with publications

### **B. PUBLICATIONS (over 200, including):**

## **PUBLICATIONS (Selected Related):**

- 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.
- H. Anan, X. Liu, K. Maly, M. Nelson, M. Zubair, J. French, E. Fox, P. Shivakumar. Preservation and Transition of NCSTRL Using an OAI-Based Architecture. Short paper in Proc. JCDL/2002, Second Joint ACM / IEEE-CS Joint Conference on Digital Libraries, July 14-18, 2002, Portland.
- Hussein Suleman and Edward Fox. The Open Archives Initiative: Realizing Simple and Effective Digital Library Interoperability. *J. Library Automation*, 35(1/2):125-145, 2002.
- E. Fox, M. Gonçalves, G. McMillan, J. Eaton, A. Atkins, and N. Kipp. The Networked Digital Library of Theses and Dissertations: Changes in the University Community. *The Journal of Computing in Higher Education*, 13(2): 3-24, Spring 2002.
- Hussein Suleman and Edward A. Fox. A Framework for Building Open Digital Libraries. *D-Lib Magazine*, 7(12), Dec. 2001, <http://www.dlib.org/dlib/december01/suleman/12suleman.html>

## **PUBLICATIONS (Selected Other):**

- Edward A. Fox, Shahrooz Feizbadi, Joseph M. Moxley, and Christian R. Weisser, eds., *The ETD Sourcebook: Theses and Dissertations in the Electronic Age*, Marcel Dekker, NY, 2002, in press
- Joseph M. Moxley, Diane Masiello, and E. Fox, eds., *The Guide for Electronic Theses and Dissertations*, over 425 pages, completed in English in 2001, translated into French and Spanish in 2002, book and web site, UNESCO and NDLTD and Univ. S. Florida, 2001, [www.etsguide.org](http://www.etsguide.org)
- E. Fox and G. Marchionini. Digital Libraries. Guest Editors' Introduction to special section on Digital Libraries. *Commun. of the ACM*, May 2001, 44(5)
- 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, 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).

## **C. COLLABORATORS IN RECENT YEARS (see also D below):**

M. Abrams, A. Agrawal, R. Akscyn, H. Anan, S. Angle, E. Arce, A. Atkins, G. Averboch, R. Baeza-Yates, O. Balci, N. Barnette, M. Bayraktar, A. Bazaz, N. Belkin, E. Blythe, C. Borgman, D. Brueni, F. Can, J.H. Canós, A. Cardenas, J. Carroll, L. Carstensen, L. Cassel, V. Chachra, H. Chen, I. Chen, S. Chen, W. Chu, A. Cohill, J. Crowder, M. Crowder, N. Davis, B. DeVane, T. Doszkocs, W. C. Dougherty, G. Downey, J. Eaton, R. Ehrich, R. Fidel, J. French, H. Fuks, R. Furuta, J. Futrelle, J. Gaboury, D. Garza-Salazar, P. Gherman, C.L. Giles, H. Gladney, J. Guidi, S. Guyer, M. Halbert, R. Hall, H.D. Harley, D. Harman, H. Hartson, L. Heath, N. Herther, E. Hilf, D. Hix, H. Holthfeld, J. Impagliazzo, P. Ingwersen, T. Johnson, P. Kantor, R. Kengeri, L. Kieffer, B. Kim, M. Kirschenbaum, D. Knox, M. Koll, M. Kothapalli, A. Lally, M. Lambur, J. Lee, M.-H. Lee, J. Leggett, X. Liu, J. Lundeen, L. Lunin, A. Maeda, K. Maly, G. Marchionini, D. Masiello, T. McGonigle, G. McMillan, J. Merola, S. Midkiff, M. Miller, V. Miranda, R. Modlin, R. Morrill, J. Moxley, S. Newcomb, M. Nelson, C. North, L. Nowell, J. Nutter, A. Pande, M. Perez, J. Pollard, J. Powell, G. Pulido, Y. Qian, N. Ramakrishnan, D. Rao, H.P. Reddy, M. B. Rosson, B. Rous, N. Rowe, J.A. Sanchez, E. Schwartz, W. Schweiker, C.D. Seals, A. Selman, T. Severiens, C. Shaffer, Poorav Shah, A. Siochi, C. Snavely, C. Standridge, P. Thompson, L. Tinoco, Cengiz Ulusaraç, S. Urs, B. Vadapalli, S. Wartik, D. Watkins, L. Weiss, C. Weisser, J. Wiencko, S. Williams, R. Williges, L. Wilson, A. Zafer, M. Zemankova, C. Zhang, K. Zimmermann, M. Zubair

## **D. GRADUATE STUDENTS IN RECENT YEARS:**

G. Abdulla, R. Barnhart, S. Betrabet, Q. Chen, A. Daoud, F. Das Neves, S. Datta, S. Feizbadi, R. France, M. Gonçalves, W. Heagy, N. Kipp, M. Koushik, S. Kriss, W. Lee, B. Liu, P. Mather, J. Menezes, A. Narasimhan, G. Nunn, S. Patel, C. Phanouriou, R. Quizon, R. Richardson, V. Riggins, E. Sahle, J. Shaw, P. Shivakumar, M. Weaver Smith, O. Sornil, M. Subhas, H. Suleman, W. Wake, J. Wang, D. Watkins, S. Winett, W. Xi, Y. Zhou

## **E. OWN ADVISOR: G. Salton (deceased)**