

## Curriculum Vitae

### Personal Information

Name: Colleen R. Swain

Current Position: Assistant Professor of Educational Technology  
University of Florida

Work Address: University of Florida  
School of Teaching and Learning  
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### Areas of Specialization

Within the field of educational technology, I specialize in the integration of technology into the curricula and classroom, the impact of educational technologies on student achievement, distance teaching and learning, teaching methodologies for secondary education, staff development, and computer applications.

### Education

Ph.D.	University of North Texas, 1997	Applied Technology, Training & Development Minor: Educational Research and Statistics (24 hours) Minor: Radio, Television, and Film (12 hours)
M.S.	University of North Texas, 1993	Computer Education & Cognitive Systems
B.S.	Baylor University, 1987	Secondary Education Major: Computer Science Minor: Mathematics

### Professional Experience

1997-	Assistant Professor, School of Teaching and Learning, Educational Technology Program, University of Florida
1994-1997	Lecturer, Computer Education and Cognitive Systems program, University of North Texas
1994	Computer Science teacher, Upward Bound Math and Science program, University of North Texas

- 1993-1994 Teaching fellow, Computer Education and Cognitive Systems, University of North Texas
- 1990-1994 Computer Science, multimedia, and mathematics teacher at Trinity High School, Hurst-Eules-Bedford Independent School District, Texas
- 1987-1990 Mathematics teacher at Eules Junior High School, Hurst-Eules-Bedford Independent School District (Texas)

## Publications

- Swain, C., Dawson, K. (in press). Reflections on teaching and technology fellow teams: A professional development strategy. *Information Technology, Education, & Society*.
- Swain, C., Dawson, K., & Strangis, D. (in press). Giving your child a web-start! *Tips on Parenting*.
- Swain, C., & Pearson, T. (2002). Educators and technology standards: Influencing the digital divide. *Journal of Research on Technology in Education*, 34(3), 326-335.
- Swain, C., & Dawson, K. (2002). Swirling in the winds of change? Consider the *Conditions for Change*. *Florida Educational Leadership*, 2(20), 34-37.
- Swain, C. (2002). Improving traditional teaching using findings from distance education. *Effective Teaching*, [Online series], 5(2), <http://cte.uncwil.edu/et/articles/Swain/>
- Swain, C., & Gilmore, E. (2001). Repacking for the 21<sup>st</sup> century: Copyright and computer ethics in teacher education. *Contemporary Issues in Technology and Teacher Education*, 1(4), 535-545. Also available online at <http://www.citejournal.org/vol1/iss4/currentpractice/article1.htm>
- Pearson, T., Dawson, K., Swain, C., Marshall, S. & Wood, A. (2002). "What is worthwhile?": Exploring Schubert's question in the realm of educational technology. *Journal of Critical Inquiry Into Curriculum & Instruction*, 3(3), 12-17.
- Swain, C., Greer, J., & van Hover, S. (2001). The use of educational technologies in a cognitive flexibility learning theory unit. *Meridian: A Middle School Computer Technologies Journal*, 4(1), 52-61. Also available online at: <http://www.ncsu.edu/meridian/win2001/cognitive/index.htm>
- Swain, C. (2001, Spring). 'Surf' safely in the classroom. *New Teacher Advocate*, 8, 7
- Swain, C. & Pearson, T. (2001). Bridging the digital divide: A building block for teachers. *Learning & Leading with Technology*, 28(8), 10-13, 59.
- Dawson, K., Bull, G. & Swain, C. (2000). Considerations for the diffusion of technological innovations in social studies teaching and learning. *Theory and Research in Social Education*, 28, 587-595.
- Swain, C. (2000). Predicting sunny skies: The improved forecast of K-12 technology integration in the state of Florida. *Tech Trends*, 44(2), 25-28.

Swain, C. (1999, Fall). Teaching for the future. *New Teacher Advocate*, 7, 7.

Swain, C. (1998, June). Testing strategies for computerized tests: What do we know? *FETConnections*, 1, 4.

Swain, C., Bridges, D., & Hresko, W. (1996). The world wide web: A classroom adventure. *Intervention in School and Clinic*, 32(2), 82-88.

Swain, C., Mortensen, M., Knezek, G., Schlieve, P., & Young, J. (1996). Training facilitators: A needed commodity. *The Texas Technology Connection*, 3(1), 19-24.

### **Manuscripts Under Review**

Swain, C., Sharpe, R., & Dawson, K. What a mix! Social studies, digital video, and middle school students. *Social Education*.

Dawson, K., & Swain, C. Partnership strategies for systemic integration of technology in teacher education. *Action in Teacher Education*.

### **Book Chapters**

Ring, G., Foti, S., & Swain, C. (in press). Electronic portfolios. In E. Bondy, D. Ross, & R. Webb (Eds.), *Preparing for inclusive teaching: Meeting the challenges of teacher education reform*. New York: SUNY Press.

Swain, C. (in press). The Digital Divide. In A. Kovalchick & K. Dawson (Eds.), *Educational Technology: An Encyclopedia*. Santa Barbara, CA: ABC-CLIO.

Dawson, K., & Swain, C. (2001). Educational technology policy in Florida. In C.D. Herrington & K.Kasten (Eds.), *Florida 2001: Educational policy alternatives* (pp. 111-136). Jacksonville, FL: Florida Institute of Education.

### **Technical Reports**

Dawson, K., Swain, C., & Baumbach, D. (2000). Educational technology policy in Florida. In C.D. Herrington & K. Kasten (Eds.), *Florida 2001: Educational policy alternatives* (pp. 117-137). Jacksonville, FL: University of North Florida, Andrew A. Robinson Chair in Educational Policy and Economic Development.

### **Nationally Standardized Test**

Hresko, W., Schlieve, P., Herron, S., Swain, C., & Sherbenou, R. (2002). *Comprehensive Mathematical Abilities Test*. Austin, TX: PRO-ED, Inc.

### **Refereed Published Proceedings for Paper Presented**

Swain, C., Ring, G., & Dawson, K. (2002). University of Florida teaching and technology initiative. *Proceedings of the Society of Information Technology and Teacher Education, USA, 13*, 1791-1793.

Pearson, T. & Swain, C. (2001). Digital divide in schools: We can make a difference. *Proceedings of the Society for Information Technology and Teacher Education, USA, 12*, 371-376.

Swain, C., Foti, S., & Dawson, K. (2001). Educational technology at the University of Florida. *Proceedings of the Society for Information Technology and Teacher Education, USA, 12*, 1770-1775.

Swain, C. & Ring, G. (2000). Integrating electronic portfolios into undergraduate and graduate educational technology courses at the University of Florida. *Proceedings of the Society for Information Technology and Teacher Education, USA, 11*, 339-342.

Swain, C. (in press). Technology rich lessons: What might they look like? *Proceedings of the International Conference on Technology and Education, USA*.

Swain, C. (1998). Distance teaching: A shift in pedagogy. *Proceedings of the International Society for Technology in Education's 7<sup>th</sup> Conference on Telecommunications and Multimedia in Education, USA*, CD ROM version, TelEd98/proceed/2.html.

### **Papers Presented—Not in Refereed Proceedings**

Reed, M. & Swain, C. (2001). *Web based teacher education: The FETE Project*. Paper presented at the National Association of Laboratory Schools Conference, Gainesville, FL.

Swain, C. (1998). *Being accountable with today's standards while teaching for tomorrow*. Paper presented at the Critical Issues Conference hosted by the University of Florida, Gainesville, FL.

Swain, C. (1998). *Computerized tests: Giving students tools to succeed*. Paper presented at the 18<sup>th</sup> Annual Florida Educational Technology Conference, Orlando, FL.

Swain, C. (1998). *Examining the ingredients in the educational technology recipe*. Paper presented at the 18<sup>th</sup> Annual Florida Educational Technology Conference, Orlando, FL.

Swain, C. (1997). *Computerized testing with special populations*. Paper presented at the 17<sup>th</sup> Annual Computer Education Association State Conference, Austin, TX.

Bridges, D., & Swain, C. (1996). *The Internet and you: Combining the information superhighway with the needs of students with learning disabilities*. Paper presented at the 13<sup>th</sup> Annual International TAM Conference on Special Education and Technology, Austin, TX.

Schlieve, P., Hresko, W., & Swain, C. (1995). *A computerized adaptive test of K-6 arithmetic computational ability*. Paper presented at the 4<sup>th</sup> Annual Florida Assistive Impact Conference and the Technology and Media Division of the Council for Exceptional Children (in conjunction with the

15<sup>th</sup> Annual Florida Educational Technology Conference and the 12<sup>th</sup> International Conference on Technology and Education), Orlando, FL.

Swain, C. (1992). *Teaching multimedia*. Paper presented at Apple, Inc. SEED Multimedia Seminar, hosted by Electronic Data Systems, Plano, TX.

Swain, C. (1991). *The microcomputer and the mathematics teacher: What a team!* Paper presented at the Texas Council of Teachers of Mathematics, Houston, TX.

### **Invited Speaker Presentations**

Swain, C. (2002). *Evaluation considerations used in the University of Florida PT3 grant: The UF teaching and technology initiative*. National PT3 Grantees Meeting, Washington, D.C., July 26.

Swain, C. (1998). *It takes more than a village: Integrating technology into the curriculum*. Presentation for FutureKids, Inc. at four workshops in Lake Mary, Orlando, Niceville, and Panama City, FL.

Swain, C. (1998). *Pedagogical changes for distance courses*. Presentation at the Online Teaching and Learning Symposium hosted by the University of Florida Office of Instructional Resources, Gainesville, FL.

Swain, C. (1998). *Distance teaching and the library*. Presentation at the Northeast Florida Library Information Network, Gainesville, FL.

Swain, C. (1997). *Practical tips for faculty designing web-based courses*. Presentation at the Santa Fe Community College New Horizons Workshop.

### **Grants**

Swain, C. & Dawson, K. *Teaching and Technology Initiative*. Funding agency: U.S. Department of Education PT3 grant. Funded for July 1, 2001-June 30, 2004. Total funding amount: \$1,432,702

Dawson, K., Ferdig, G., Swain, C. ILET: International Leadership for Educational Technology: A Transatlantic Bridge for Doctoral Students. Funding agency: U.S. Department of Education, FIPSE grant, EC/US Cooperation Program in Higher Education and Vocational Education and Training. Funded for Oct. 1, 2001-September 30, 2004. UF Funding Amount: \$24,000.

Swain, C. *UF and Microsoft: Creating Technology Rich Curricula*. Funding agency: Microsoft Corporation [teacher.training@microsoft](mailto:teacher.training@microsoft) program. Funded for September 1, 2000- August 31, 2002. Total funding amount: Software valued at \$60,000

Swain, C. *Development of WWW Based Resources for EME 6405*. Funding agency: University of Florida Office of Instructional Resources. Funded for January 15-June 30, 1999. Total funding amount: \$5,000.

Swain, C. *UF and Microsoft: Creating Technology Rich Classrooms*. Funding agency: Microsoft Corporation [teacher.training@microsoft](mailto:teacher.training@microsoft) program. Funded for September 1, 1998-August 31, 2000. Total funded: Software valued at \$90,000

Unfunded NSF grant proposal: Science, Technology, and Social/Historical Perspectives: A Model for Integrated Teaching

### **Reviewer or Editor Responsibilities**

Co-editor for Current Practices section of *Contemporary Issues in Technology & Teacher Education*, 2002-present.

Reviewer for Current Practices section of *Contemporary Issues in Technology & Teacher Education*, 2000-2001.

Reviewer for *Journal of Learning Disabilities*, 1999-2000.

Reviewer for *Community College Journal of Research and Practice*, 1996.

Reviewer for *Educational Gerontology*, 1996.

Reviewer for Addison Wesley Longman technology series *The Hitchhiker's Guide*, 1996

### **Service to the Schools**

Co-teaching on a monthly basis with Mrs. Rachael Sharpe, Kanapaha Middle School, 2002-2003 academic year.

Curriculum development with Mrs. Dianne Miller, Clay County High School, Fall 2002.

Taught lesson on the Industrial Revolution. *Inventions: Researching the old and new* to 8<sup>th</sup> grade American History Class with Mrs. Rachael Sharpe, Kanapaha Middle School, 9 hours of in-class instruction. March 20002

Taught unit *Our Day in History* to 5<sup>th</sup> grade class with Mrs. Joyce Thompson, Terwilliger Elementary School, 12 hours of in-class instruction. February-April, 2002

Participated in Grant Writing and Implementation of *FETE Project* with Mark Reed at P.K. Yonge Developmental Research School, 2001

Invited speaker, *The Internet: An exceptional tool for the 21<sup>st</sup> century learner*. Littlewood Elementary School PTA. February 2001

Conducted monthly workshops for faculty on *Integrating Technology into the Elementary Curricula*, Lawton Chiles Elementary School. January-March, 2000.

Worked with Alachua Elementary School Principal, Jim Brandenburg on plan for integrating technology into school and corresponding faculty development using technology

Invited speaker, *Internet Safety: Protecting your Child!*, Littlewood Elementary School PTA. October, 1998.

Invited speaker, *Internet Safety*, Littlewood Elementary School PTA. May, 1998.

Participated in Grant Writing process with P.K. Yonge Developmental Research School, Fall, 1998.

Worked with Central Office Personnel in Technology and Media for Citrus County, November 1998

### **Service to Department, College, and University**

#### *University*

Member, International Media Union Advisory Committee (2002-present)

Judge, Graduate and Professional Student Forum (2002)

Mentor, Minority Mentor Program (1999-2000)

#### *College*

Chair, Research Advisory Committee (2002-present)

Member, Classroom Renovation Committee (2001)

Member, P.K. Yonge Planning Committee (2001)

Secretary, College Development Committee (1999-2001)

Faculty Sponsor, UF Chapter of Kappa Delta Pi: An International Honor Society (1997-2000)

Member, Salary Equity Committee (2000)

Member, College Technology Committee (1997-1999)

Member, USPS Bonus Committee (1998)

#### *Department*

Member, Educational Technology Planning Committee (1997-present)

Member, Secondary ProTeach Planning Committee (1998-present)

Member, School of Teaching and Learning Advisory Board (2002-present)

Member, Undergraduate Unified Elementary ProTeach Petitions Committee (2002)

Member, Graduate Unified Elementary ProTeach Petitions Committee (2002)

Member, Ad Hoc Subcommittee on Doctoral Seminar Courses (2002)

Member, Search Committee for Educational Technology position (2000-2001)

Member, Mathematics, Science, and Technology Unified Elementary ProTeach Planning Committee (1997-2001)

Member, Search Committee for Science Education position (1999-2000)

Member, Search Committee for Science Education (1998-1999)

Member, Search Committee for Educational Technology position (1998-1999)

### *Workshops Taught for College*

Team-taught Portfolio Workshop, May 2000

Taught College of Education Professional Development Workshops on email, Gatorlink and connecting to the university, distance education issues, and using PowerPoint to enhance communication and learning., February, March, April, May, August, 1998

### **Other Professional Activities**

Technology officer, North Central Florida Chapter of Phi Delta Kappa, 1999-2000

Vice-President of Membership, North Central Florida Chapter of Phi Delta Kappa, 1998-1999

Participated in Florida Higher Education Consortium, 1998

Member of Regional Technology Centers Governing Board, Region II, FL, 1998

Member of Beta Group for Novell Education Course 306: Teaching in an Online Environment, 1998

Computer Science consultant for Grand Prairie Independent School District (Texas), 1996

Facilitator for Department of Agriculture, National Resources Conservation Service. Training workshop for facilitators of distance education, 1995

Computer science consultant for Birdville Independent School District (Texas), 1992

Member of Texas Task Force for Mathematics: Exploring Your World textbook series. Publisher: Silver, Burdett & Ginn, 1991

Developed and implemented the first multimedia course for high school students approved by the Texas Education Agency, 1991

Teacher Consultant for Apple Computer, Inc., 1990-1994

### **Honors and Awards**

Included in Who's Who Among Students in American Universities and Colleges, 1995

Outstanding Computer Education and Cognitive Systems Student, University of North Texas, 1993

Sallie Mae Award winner, Hurst-Eules-Bedford Independent School District (Texas), 1988

Goetting Award for Outstanding Secondary Education Student Teacher, Baylor University, 1987

Undergraduate Academic Scholarship, Baylor University, 1984-1987

Included in Who's Who Among American Teachers, editions 1, 3, & 4

## **Current Professional Memberships**

American Educational Research Association (AERA)

Association for the Advancement of Computing in Education (AACE)

Computing in Teacher Education (SIG for ISTE)

Florida Association for Computers in Education (FACE)

Florida Council for Instructional Technology Leaders (FCITL)

International Society for Technology in Education (ISTE)

Kappa Delta Pi

Phi Delta Kappa