

MELINDA C. BIER ABREVIATED CV

1808 Lafayette Ave. St. Louis, MO 63104. (314) 771-8294 bierm@umsl.edu

EDUCATION

- 1997 Ph.D., Florida Institute of Technology, Melbourne, FL Science Education.
1992 M.S., Florida Institute of Technology, Melbourne, FL Computer Science Education.
1987 B.A., Point Park College, Pittsburgh, Pennsylvania. Social Sciences.

EMPLOYMENT HISTORY

2000- PRESENT, COLLEGE OF EDUCATION, UNIVERSITY OF MISSOURI, ST. LOUIS.

Research Scientist, Center for Character and Citizenship, Division of Educational Psychology, Research and Evaluation.

Principal Investigator, Healthy and Active Scott County Central School District: A Coordinated School & Community Wellness Program (2005-2008) Missouri Foundation For Health.

Principal Investigator, Mobilizing Tomorrow's Leaders for a Smoke-Free Missouri School-based Initiative Subcontract (2005-2007) Missouri Foundation For Health.

Project Director, Social & Character Development Research Program National Evaluation Subcontract (2003 – 07), to UMSL from Mathematica Policy Research Inc.- federally funded cross-site evaluation of Institute of Educational Sciences Social & Character Development Research Program.

Project Director/Principal Investigator, National Character Education Resource Center Subcontract (2002-04), to University of Missouri, from the Character Education Partnership, Washington DC. federally funded project to assess the needs and create materials to support K-12 character education practitioners and researchers.

Project Director, Caring School Community Implementation Study Subcontract (2002-06), to University of Missouri, St Louis from the Cooperating School Districts of St. Louis – federally funded project to study the implement of a character education program.

Project Director, Templeton Character Education Research Review Subcontract (2000-02), to University of Missouri, St Louis from Character Education Partnership. Conducting an interdisciplinary and comprehensive literature review of what works in Character Ed.

Affiliated Assistant Professor, Educational Psychology, Teach graduate level course Ed Tech 435, Diffusion of Educational Innovations. (School Reform)

1996-2000, JAMES S. MCDONNELL FOUNDATION, ST LOUIS, MO

Program Officer (8/98 – 9/00), James S. McDonnell Foundation, administration of international Cognitive Science in Educational Practice Grant Program and local educational funding.

Program Associate (8/97 - 8/98), James S. McDonnell Foundation, administration of international Cognitive Science in Educational Practice and Schools for Thought funding.

Visiting Research Fellow (8/96 - 8/97), James S. McDonnell Foundation, develop strategic technology plan, oversee the implementation of a technological infrastructure to cost-effectively support the research grant competitions and administration.

1991-1996, FLORIDA INSTITUTE OF TECHNOLOGY, MELBOURNE, FL

Assistant Director, Central Florida Center for Excellence in Science, Mathematics, and Technology (8/95 - 6/96). Responsible for daily operation of one of Florida's six regional professional development, curriculum preview and educational outreach centers.

Assistant Director, BellSouth Educational Technology Research Center (9/92 - 8/94), state-wide technical assistance center - conducted needs assessments; supported teachers in the adoption and integration of instructional technology into existing curriculum, housed under the Center of Excellence umbrella.

State Coordinator, Florida Instructional Technology Project (9/91 - 8/92), production of teacher developed multimedia grounded in the principles of cognitive learning theory; conducted extensive professional development and follow-up in the use of telecommunication.

Research Assistant, Florida Science Video Disk Project (1/91 - 9/91), production of the Florida Science Videodisc and companion hypertext software and conducted teacher training.

Adjunct Faculty (8/93 - 12/95), Academic Support Services, Florida Institute of Technology. Learning Strategies (1050); Instructor, Science Education Department, Introduction to Computers in Education (5226); Special Topics in Science Education (5052); Teaching Assistant, Science Education Department, Statistics (5070) Research Design (5075)

1987-1990, INTERLACHEN HIGH SCHOOL, PUTNAM COUNTY, FL.

Teacher (87 – 90), Interlachen High School, Putnam County, FL. taught economics and civics; coordinated Jr. Achievement and Florida Stock Market Game; JV volleyball coach & Key Club sponsor.

PUBLICATIONS

- Bier, M. C., Higgins-D'Alessandro, A., Grove, D., Caldwell, Marshall, & Zantel-Wiener (in review) Mobilizing For Evidence-Based Character Education: Scientific Program Evaluation. U.S. Department of Education.
- Bier, M. C., Berkowitz, M. W. (2005) What works in character education: A review of the research *Leadership for Student Activities, Vol.34 (2)*.
- Berkowitz, M.W., & Bier, M.C. (2005). Character education: Parents as partners. *Educational Leadership, 63*, 64-69.
- Berkowitz, M. W., Sherblom, S., Bier, M. C., & Battistich, V. (2005) Educating for Positive Youth Development. In J. Smetana and M. Killien (Eds). Handbook of Moral Development. Erlbaum Associates.
- Berkowitz, M.W. & Bier, M.C. (2004). Research-based Character Education. *Annals of Political Science* 591, (1) 72-85.
- Berkowitz, M.W. & Bier, M. (2005). The interpersonal roots of character education. In D.K. Lapsley & F.C. Power (Eds.), *Character psychology and character development*.
- Berkowitz, M.W. & Bier, M.C. (2004). Research-based Character Education. *Annals of Political Science* 591, (1) 72-85.
- Berkowitz, M.W., Schaeffer, E.F., & Bier, M.C. (2001). Character Education in the United States. *Education in the North, 2000-2001*, 52-59.
- Bier, M., Gallo M., Nucklos E., Sherblom S., & Pennick M. (1997). Personal Empowerment in the Study of Home Internet Use by Low-Income Families. *Journal of Research on Computing in Education, 30*, (2), 106-119.
- Bier, M., Sherblom S., & Gallo, M. (1996). Ethical Issues in a Study of Internet Use: Uncertainty, Responsibility, and the Spirit of Research Relationships. *Ethics & Behavior. 6(2)*141-151.
- Bier, M., and Gallo. M. (1996). Empowering Parents with Internet Connections: A Case Study of the Internet and the Underserved Community. *Florida Technology in Education Quarterly, 8*, (4) 64-79.
- Bier M., Gallo M., Nuckles E. Sherblom S., Mooers S. (1996) A Study of Home Internet Access and Low-Income Families. *Journal of Research on Computing in Education 29*, (4). Multimedia special edition published electronically on the World Wide Web.
- Horton, P., McConney, A. Bowers R., Schoone T., Hamelin D. Bier M. Oster J., and Spencer E. (1994). Randomness and Replication Revisited: A Content Analysis of Research Published in Science Education from 1988-1992. *Proceedings of the Association for the Education of Teachers in Science*, Dallas, Texas.

CONFERENCE ORGANIZATION

- (1999, April) James S. McDonnell Centennial Fellowships Symposium, National Academy of Sciences, Washington, DC.
- (1998, September) McDonnell Cognitive Studies in Ed. Practice Program Annual Meeting. Boulder, CO.
- (1997, October) McDonnell Cognitive Studies in Educational Practice Program Annual Meeting. Seattle, WA.
- (1997, June) McDonnell-Pew Program in Cognitive Neuroscience Annual Meeting. Oxford, England.
- (1996, December) James S. McDonnell Foundation Centennial Fellowship Program Advisory Panels Meeting. Saint Louis, MO
- (1996, November) Eco-Inforna '96, Global Networks for Environmental Information. Invited member of the Organizing and Host Committee.
- (1996, February) American Association for the Advancement of Science Annual Meeting and Science Innovation Exposition. Symposium co-organizer: *The NII at the people and policy level*.
- (1993, June) Space Coast Sharing is the Key. Conference coordinator and organizer of the Florida Instructional Technology Project Exhibition.
- (1992, July) Florida Instructional Technology Conference. Planned and organized two week retreat

emphasizing how teachers could apply technology in their classrooms through the use of demonstrations, hands-on workshops, and participant sharing sessions.

CONFERENCE PRESENTATIONS

- (2004, October) *What Works in Character Education*. Character Education Partnership National Forum, DC.
- (2003, October) *What Works in Character Education*. Character Education Partnership National Forum, DC.
- (2002, July) *Integrating Technology with Character Education*. 8th Annual Character Education Conference, St Louis MO.
- (2001, July) *What Works: Current status of character education research and literature review methodology*. 8th Annual Character Education Conference, St Louis MO.
- (1999, October) *Toward a Taxonomy of Risks to Human Subjects involved in Internet-based Research*. WebNet 99 World Conference, Honolulu, Hawaii
- (1999, October) *Research Funding in Cognitive Development Symposium*. Cognitive Development Society Meeting, Chapel Hill, NC.
- (1999, July) *Research Ethics and Internet-based Research. Social Norms, Personal Values, and the Use of Interactive Information Technologies by Young People Workshop*. Center for Advanced Technology in Education. Eugene, Oregon
- (1999, June) *Internet Research and Ethics in the use of Human Subjects*, American Association for the Advancement of Science Workshop, Washington D.C.
- (1998, November) *Schools for Thought*. The Academy of Science of St. Louis Symposium on Education Models for the 21st Century, St. Louis, MO

RESEARCH & PROJECT MANAGEMENT EXPERIENCE AND GRANTS

- (2005-2008) Healthy and Active Scott County Central School District: A Coordinated School and Community Wellness Program (Missouri Foundation For Health).
- (2005-2007) Mobilizing Tomorrow's Leaders for a Smoke-Free Missouri (Missouri Foundation For Health)
- (2003-2008) UMSL subcontract, Social and Character Development Research Program National Evaluation (USDE, IES/CDC/MPR).
- (2002-2003) UMSL subcontract, National Character Education Clearinghouse (USDE).
- (2002- 2006) UMSL subcontract, Caring School Community Study (USDE).
- (2000-2001) UMSL subcontract, What Works in Character Education: A Literature Review.
- (1995 - 1997) Doctoral study of Internet use by low-income urban families.
- (1996) National Science Foundation Dissertation Support - grant to enhance and extend dissertation study.
- (1995) Environmental Problem Solving Through Water Quality Monitoring Project - external evaluation of NSF funded project using mixed methods.
- (1994) National Science Foundation, Florida Statewide Systemic Initiative (NSF/FSSI) Technology Survey data analysis and report prepared at the request of NSF/SSI Technology Coordinator.
- (1991) Florida Secondary Science Intech Program - data analysis of diagnostic instruments from Teacher Concerns Based Adoption Model - qualitative methodology for research on innovation adoption and teacher change.

CURRICULUM DEVELOPMENT EXPERIENCE

- (1995) *Teaching with Technology*, Brevard Community College. Course design and development.
- (1995) *Internet for Secondary Teachers*, Sebastian River High School. Co-created a faculty training program for school-wide Internet adoption and integration into the curriculum of this magnet school. Indian River County, FL.
- (1993) *Elementary Mathematics and Science Specialist Program*, Florida Institute of Technology. Curriculum development for 12 credit project based course sponsored by Florida Department of Education.

EDITORIAL, REVIEW AND ADVISORY POSITIONS

- 2003 Editorial Board, Journal of Research in Character Education
- 2003 International Advisor to The Citizen Education Research Strategy Group, EPPI Centre, Institute of Education University of London, UK.
- 2000 National Science Foundation's Societal Dimensions of Engineering, Science, and Technology Program - Proposal Review Board

2000 National Science Foundation's Information Technology Research Education and Employment - Pre-proposal Review Panel
1997- 2000 Investigative Learning Center Commission Advisory Board
1998- 2000 Ville Cluster Experiment Advisors Group, St. Louis Public Schools Multimedia Magnet Cluster
1998- present Stray Rescue of Saint Louis, Board of Directors, Vice-President