

SARAH J. McPHERSON, Ed.D.

**Assistant Professor, Coordinator Instructional Technology
New York Institute of Technology**

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EDUCATION

- Ed.D. 1990** Johns Hopkins University Human Communications Disorders with concentration in Technology
M.S. 1982 Johns Hopkins University, Reading
B.A. 1969 University of Arkansas Major Spanish

PROFESSIONAL EXPERIENCE

Assistant professor/Coordinator 2004 - present, Instructional Technology graduate program. New York Institute of Technology, School of Education and Professional Services.
Lead faculty for Master's in Instructional Technology program at NYIT in Long Island and Manhattan campus and partnership programs with Teacher Centers in Lower Hudson and New York City UFT. Responsibilities include teaching face-to-face, hybrid, and online, developing/designing new courses, syllabi and programs, hiring, mentoring, and evaluating adjuncts, advising students, recruiting, preparing catalog and schedules, selecting recommending hardware and software for lab facilities.

Courses taught in the Master of Science in Instructional Technology program at New York Institute of Technology

EDPC603	Foundations I: Philosophy of Education and Technology
EDPC610	Foundations II: Diversity, Learning and Technology
EDLA615	Language Arts and Technology (online)
EDIT620	Role of the Computer Coordinator (hybrid)

Courses taught in the undergraduate Teacher Education program at New York Institute of Technology:

EDUC206	Introduction to Educational Technology
EDUC306	Serving Students with Special Needs

2006 – present Editor - newsletter, and Board member, New York State Association for Computers and Technologies in Education(ISTE affiliate).

Associate Director 1997- 2004, Johns Hopkins University Center for Technology in Education (CTE), Graduate Division of Education, School of Professional Studies in Business and Education.

Participated on Executive Council for strategic planning and leadership of \$3-4 million grant funded projects in partnership organization with Johns Hopkins University and

Maryland State Department of Education with 20-30 staff. Responsibilities included administration; management, supervision, and evaluation of grant and contract projects.

Director of Professional Development for Instructional Technology, 1992 – 2005, Johns Hopkins University Center for Technology in Education. Developed grant-funded programs and contracts for providing professional development programs for integrating technology into instruction. Funding sources included Technology Challenge grants, PT3 grants, Maryland State Department of Education, and local school-district contracts.

Higher Education Liaison, 1999-2004, Executive Board of Maryland Instructional Computer Coordinators Association (MICCA), a statewide association of more than 2000 K-12 educators. Proponent of program activities for grant participants and graduate student participation in organization activities.

Coordinator, 1995-1997, Technology for Educators graduate program, Johns Hopkins University, Graduate Division of Education. Administrative responsibilities for Instructional Technology master's program, developing/designing courses, hiring and mentoring adjuncts, advising students, recruiting, preparing catalog and schedules, selecting recommending hardware and software for lab facilities, and developing partnerships with local school districts.

Adjunct Faculty Associate, 1985- 2004, Johns Hopkins University, Graduate Division of Education.

Courses taught in the Master of Science in Instructional Technology program at Johns Hopkins University 1998 – 2004 include:

893.501	Computers in Education: Research and Issues
893.505	Integrating Technology into Instruction
893.564	Instructional Design for Computer Assisted Instruction
893.572	Project-based Collaborative Learning Using Technology
893.574	Advanced Integration of Technology for Performance Based Assessment
893.630	Professional Development to Support Technology Integration
893.701	Advanced Seminar in Technology

Research Associate, 1986 –1991, Evaluation of the Integration of Technology for Students with Mild/Moderate Disabilities, Elementary Level project funded by the US Department of Education Office of Special Education. Developed research to integrate technology into instruction of students in special education programs, particularly focusing on monitoring student academic progress.

Consultant 1986 – 1988, Johns Hopkins University, Division of Education and the Applied Physics Laboratory. Member of design team for developing multimedia software and administer field tests for students with special needs.

Graduate Assistant, 1984 – 1986, federally-funded project to develop an authoring system, a joint project of the Johns Hopkins University Division of Education and the Applied

Physics laboratory. Research multimedia software design elements for students with special needs.

Home and Hospital Teacher, 1983, Harford County Public Schools, Maryland. Students at home rehabilitating from car accident, pregnancy, drug use, and psychological/emotional trauma.

Middle school Language arts and English as a Second Language teacher 1973- 77, San Antonio Independent School District, Texas.

High School Spanish and English teacher, 1969-71, North Little Rock High School. North Little Rock, Arkansas.

CURRENT AND RECENT PROJECTS

2006 – present Reviewer - Journal of Special Education Technology

2005 - present Author – software reviews for Learning and Leading, ISTE Journal.

2005 – present Consultant - Maryland Online Technology Profiles Consortium. Maryland Educational Technology Standards for School Administrators, Technology Toolkit for Administrators.

2005 – present Digital Immigrant Project – partnership with New York City Region 1 to provide graduate courses in Instructional Technology to enhance teacher competencies in technology and mathematics.

2005 – present Globalization project with New York Institute of Technology and Taipei Municipal Teachers College.

2003 – 2004 Maryland Learning with Accessibility Technology Symposium series, jointly funded by the Maryland State Department of Education, Division of Curriculum and Instruction and the Division of Special Education.

2003 – 2004 PT3 sub-grant as part of MSDE PT3 Consortium for developing Maryland Teacher Technology Standards Online and to enhance the standards for improving student learning.

2003 – 2004 Performance-based assessment using a web-based electronic professional portfolio system.

2002 – 2004 On-line distance education professional development to support Maryland Technology Academy curriculum and follow-up using CTE's Electronic Learning Community.

- 1999 – 2004 Maryland Technology Academy, Leadership Program and Administrator Symposia, a joint project with the Maryland Technology Consortium funded by a USDOE Technology Innovation Challenge Grant and Maryland state legislature. For further information see <http://www.mdtechacademy.org/>.
- 1992 – 2004 Transforming Learning with Technology in Maryland Summer Institutes funded by Maryland State Department of Education, Division of Education.
- 1990 – 2004 Reviewer of private school technology plans for Universal Service Fund for Schools and Libraries for e-rate discount.
- 2001 – 2002 Maryland Science, Math, and Action Research with Technology program, Dwight D. Eisenhower Professional Development Grant..
- 2002 – 2003 Team Tech Professional Development in Charleston County School District, South Carolina.
- 2000 – 2003 PT3 sub-grant as part of MSDE PT3 Consortium for developing Maryland Teacher Technology Standards based on ISTE NETS*T.

PUBLICATIONS

- McPherson, S.** (2006) Product Reviews: Thinking Reader. *Learning and Leading with Technology*.33(7), 38-40.
- McPherson, S.**, Wizer, D., Pierrel, E. (2006). Technology academies: A professional development model for technology integration leaders. *Learning and Leading with Technology*. Vol. 33(5), p. 26-31. Eugene, OR: International Society for Technology in Education.
- Wizer, D. and **McPherson, S.** (2005). The administrator's role: Strategies for fostering staff development. *Learning and Leading with Technology*, Vol. 32(5), p. 14 – 17. Eugene, OR: International Society for Technology in Education.
- Castellani, J., Reed, P., Zabala, J. Dwyer, J., **McPherson, S.** and Rein, J. (2005). Considering the need for assistive technology within the Individualized Education Program. Monograph, Center for Technology in Education, Johns Hopkins University and Technology and Media Division, Council for Exceptional Children.
- McPherson, S.**, Urbanski, E. and Little, D. (2002). Final report. Maryland science, math, action research and technology. Dwight D. Eisenhower Professional Development Program.
- Reeves, B., **McPherson, S.**, and Kadel, R. (2001). Assessing the Impact of Educational Technology in Maryland. SRI Partnership Report.

- McPherson, S.** (1994). Computers in science: A school-based training project. Proceedings of the National Education Computing Conference. Boston.
- McPherson, S.** (1994). Technology integration enhancement model. Proceedings of the Fifth Annual Conference of the Society for Technology and Teacher Education, Washington, DC.
- Panyan, M., **McPherson, S.**, Steeves, J., and Hummel, J. (1994). An evaluation of the technology integration enhancement model. *Journal of Technology and Teacher Education*, 2(1): 29-48.
- McPherson, S.** (1993). Computers in elementary science: A school-based training project. Proceedings of the Fourth Annual Conference of the Society for Technology and Teacher Education. San Diego.
- Panyan, M.V., Hummel, J., Jonas, H.R., **McPherson, S.**, (1991) Teachers' technology resource guide. Johns Hopkins University, Center for Technology and Human Disabilities.
- Panyan, M.V., Hummel, J., **McPherson, S.**, Nunn, J.A., and Steeves, J. (1991). Technology integration enhancement. Johns Hopkins University, Center for Technology and Human Disabilities.
- McPherson, S.** (1990). Monitoring student progress. Training materials for Technology Integration Project. Johns Hopkins University, Center for Technology and Human Disabilities.
- Panyan, M., Hummel, J., Steeves, K.J., Whippo, C., Nunn, J., **McPherson, S.** (1989). Technology integration project. The evaluation of the integration of technology for instructing handicapped students (elementary level). Final Report, Phase 1. Johns Hopkins University, Center for Technology and Human Disabilities.

SELECTED PRESENTATIONS

- McPherson, S.** Penrose, J., and Wang, S.K. (July 2006). The SETT Framework in Inclusion Classrooms. National Educational Computing Conference, San Diego, CA.
- Uttendorfer, M., **McPherson, S.** and Silverman, S. (2006, July) Emerging Technologies to Enhance the Human Dimension of Online Courses. National Educational Computing Conference, San Diego, CA.
- McPherson, S.** (2006, May). *Web-based Tools for Teacher Education*. Athens Institute for Education and Research, Athens, Greece.
- McPherson, S.** (2006, May). *Universal Design for Learning: Software and the World Wide Web* Inclusive Education Conference, Rye Town, NY.

- Jones, T. and **McPherson, S.** (2006, May). *Maryland Technology Standards for School Administrators, Where Are We Now?* MICCA, Baltimore, MD.
- McPherson, S.** (2006, April) Universal design for learning in software. Universal Design for Learning Conference, SUNY Plattsburgh, Plattsburg. NY.
- McPherson, S.** and Uttendorfer, M. (2006, January). TaskStream Collaboration Exchange, Reporting Capabilities.
- McPherson, S.**, Wang, S.K., and Uttendorfer, M. (2005, October). The Implementation of the Electronic Portfolios System in the MSIT graduate program. 2005 World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Vancouver, BC.
- McPherson, S.** (2005, October). The SETT Framework in Inclusion Classrooms. 2005 NYS CEC Convention. Hartsdale, NY.
- McPherson, S.** (2005). What Does Inclusion Look Like to Pre-Service Teachers? 10th Conference on Inclusive Schools and Communities for Children and Youth. NY IDEA Partnership. Tarreytown, NY.
- Wizer, D. and **McPherson, S.** (2005). Statewide Technology Leadership Program. American Educational Research Association. Montreal, Canada.
- Simard, D. and **McPherson, S.** (2004). Creating Virtual Learning Communities. New York State Association for Computers and Technologies in Education. Rochester, NY.
- Jones, T. and **McPherson, S.** (2004). Professional Development Strategies and Models for Technology Integration. Consortium for School Networks, Washington, D.C.
- McPherson, S.** and Imbriale, R. (2003). Building and Supporting a Community of Educational Technology Leaders, National Educational Computing Conference, Seattle.
- Middleton, G. and **McPherson, S.** (2003). Closing the Achievement Gap: Systemic Reform in Title I Schools, National Educational Computing Conference, Seattle.
- McPherson, S.** and Imbriale, R. (2003). GLOBETech: A Three-Tiered Approach to Daily Instruction, National Educational Computing Conference, Seattle.
- McPherson, S.** and Imbriale, R. (2001). Statewide Professional Development for Technology Leadership, Association for Curriculum Development, Boston.
- McPherson, S.**, Wizer, D. Imbriale, R. and Cave, K. (2000). Multi-District Professional Development: Creating a Training Program to Meet Diverse Needs, National Staff Development Council, Atlanta.

- McPherson, S.** and Rosensteel, C. (2000). Choosing Your IEP software, a CEC Continuing Education Satellite Broadcast.
- McPherson, S.** (1999). Professional Development: Classroom Applications of Technology. Glasgow Development Agency (GDA), Glasgow, Scotland.
- McPherson, S.** and Brenda Hon (1998). A Solution for Reducing Paperwork: The Maryland Special Education Planner. Maryland Instructional Computer Coordinators Association, Baltimore.
- McPherson, S.** and Rein, J. (1998). Technology Solutions to Improve Learning for All Students, Annual Conference Association of Curriculum and Development (ASCD). San Antonio.
- McPherson, S.** (1996). Education at Hopkins Career-Long Learning for Educators: Technology in Education, Maryland Instructional Computer Coordinators Association. Baltimore.
- McPherson, S.** (1996). Maryland SCIMATECH (Science, Math, and Technology): Technology for Improving Performance and Assessment in Science and Math, Association of Coordinators for Rural Education Systems, Baltimore.
- McPherson, S.** (1995). Computers in Science, Maryland Instructional Computer Coordinators Association, Baltimore.
- McPherson, S.** (1995). The Change Process for Integrating Technology, National Educational Computing Conference, Baltimore.
- McPherson, S.** (1995). Maryland SCIMATECH, Maryland Association of Teachers of Mathematics, Baltimore.
- McPherson, S.** (1994). An Initial Evaluation of the Technology Integration Enhancement Model. Society for Technology and Teacher Education, Washington, DC.
- McPherson, S.** (1994). Computers In Science: A School-Based Training Program for Applying Technology. National Educational Computer Conference, Boston.
- McPherson, S.** (1993). Educational Software: Integrating the Needs of Students in Special Education. Sino-American Symposium, National Taiwan Normal University, Taipei, Taiwan.
- McPherson, S.** (1992). The effects of meta-cognitive strategy training with computer assisted instruction for vocabulary acquisition by students with learning disabilities. Technology and Media Conference, Council for Exceptional Children, Kansas City.

McPherson, S. (1992). Computers in science: A school-based training program for applying technology to the elementary science curriculum. Society for Technology and Teacher Education, San Diego.

PROFESSIONAL ORGANIZATIONS

American Education Research Association
Association for the Advancement of Computers in Education
Association for Supervision and Curriculum Development
Council for Exceptional Children, Technology and Media Division
International Society for Technology in Education, Teacher Education SIG
MICCA – Maryland Instructional Coordinators Computer Association, Executive Board Member
National Staff Development Council
New York State Association for Computers and Technologies in Education – newsletter editor
NYS Council for Exceptional Children
Phi Delta Kappa

TECHNOLOGY SKILLS

MS Office, MS Outlook, Blackboard, SnagIt, Camtasia, Elluminate, Datatel, TaskStream, Ezedia, blogs, PDA, digital camera, ipods, Google Talk, MSN messenger, multiple instructional and assistive technology software packages, proprietary JHU Electronic Learning Community and JHU Electronic Portfolio.

References will be provided upon request.