

Gerry Marvin Swan II

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Educational Background

PhD, Instructional Technology

University of Virginia, Charlottesville, VA, 2004

Dissertation: *Examining the Internet as a Mechanism for Evaluating Pre-service Teachers*

Advisor: Glen Bull

Bachelor of Science, Mechanical Engineering

Clemson University, Clemson, SC, 1997

Professional Experience

2007 – Present	Assistant Professor of Instructional Technology
2005 – 2007	Senior Manager of Instructional Technology, University of Kentucky
2004 – 2005	Post-Doctoral Fellow on Integration of Instruction with Technology
2003 – 2004	General Faculty, Curry School of Education, University of Virginia
2001 – 2003	Instructor - Curry School of Education, University of Virginia
2000 – 2003	Graduate Fellow, Center for Technology and Teacher Education
2000 – 2002	TRAC PAC Curriculum Developer - University of Virginia
1997 – 2000	Brewster Academy, Teacher

Refereed Publications (Peer Review):

- Swan, G. (2009). Information Systems in Teacher Preparation Programs: What can we learn from a Five-Year Longitudinal Case Study of an Electronic Portfolio Database. *Journal of Educational Computing Research*. 41 (4)
- Swan, K., Hofer, M., Swan, G., Mazur, J. (in press). Econocast: The production, consumption and distribution of economics podcasts for the K-12 classroom. *Social Education*.

- Swan, G. (2009). Tools for Data-Driven Decision Making in Teacher Education: Designing a Portal to Conduct Field Observation Inquiry. *Journal of Computing and Teacher Education*. 25 (3), 107-113
- Swan, G. (2009). Using Internet Applications to Enhance Formative Assessment in Teacher Education. *Social Studies Research and Practice Journal*. 4 (1)
- Swan, G. (2009). From Blunt to Pointy Tools: Transcending Task Automation to Effective Instructional Practice with CaseMate. *Tech Trends*, 53 (3), 74-79
- Jones, D. & Swan, G. (2007). Systems of Equations, Representations and Habits of Mind. *On-Math: Online Journal of School Mathematics*, 5 (1) NCTM

Refereed Work In Progress

- Swan, G. (under review) Examining the implementation of electronic portfolio systems: A portal for understanding barriers to information systems in teacher education. *Australasian Journal of Educational Technology*
- Bain, A. & Swan, G. (Under Review). Tools for Reform: A Software Design Metaphor for Differentiating Classroom Instruction. *British Journal of Educational Technology*.
- Swan, K., Hofer, M., & Swan, G. (under review). Dilemmas in technology, social studies and assessment: Digital documentaries in a high stakes testing environment. *Theory and Research in Social Education*.

Other Publications:

- Swan, G. & Steckroth, J. (2005). Graphing Mystery Bottles. In Bell, R. L. & Garofalo, J. (Eds.). *Technology-integrated science units for grades 9-12*. Eugene, OR: International Society for Technology in Education.
- Swan, K.O., Swan, G., van Hover, S., & Bell, R. (2002). Mining the Internet: A beginner's guide to handheld computing. *Learning and Leading with Technology*, 29 (8), 22-27.
- Swan, G. & Teahan, J. (2002). Dynamic databases: Beyond grades and attendance, *Journal of the National Consortium for Specialized Secondary Schools on Mathematics, Science and Technology Journal*, 7(2), 23-25.
- Swan, G. & Teahan, J. (2001). Using digital probes, *Journal of the National Consortium for Specialized Secondary Schools of Mathematics, Science and Technology*, 7(1), 20-23.

Refereed Conference Proceedings

- Swan, G (2008). Bush Mechanics of the Internet: Plugging the MIS Gaps in Academia. *Proceedings of Society for Information Technology and Teacher Education International Conference 2008*. Las Vegas, NV: AACE.
- Besser, D., Swan, G., Dziubla, T., & Eitel, R. (2008). Building Continuous Loop Learning Communities: An Engineering Outreach Case Study. *Proceedings of American Society for Engineering Education Southeaster Section Conference 2008*. Memphis, TN: ASEE-SE.
- Swan, G. (2004). Using Internet Based Tools to Manage Assessment. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2004* (pp. 268-269). Chesapeake, VA: AACE.

Presentations:

- Swan, G (2008). Bush Mechanics of the Internet: Plugging the MIS Gaps in Academia. *Proceedings of Society for Information Technology and Teacher Education International Conference 2008*. Las Vegas, NV: AACE.
- Swan, K., Hofer, M., Swan, G. & Mazur, G. (2008). *Econocast -the production, consumption and distribution of economic podcasts*. Presentation at the meeting of the International Assembly of the National Council for the Social Studies (NCSS), Houston, Texas, November, 2008.
- Swan, K. Mazur, J., Swan, G., Call, C., Hill, C., Sizemore, B. Trullinger, L. (2008). *Econocast: Podcasting in the Economics Classroom*. Presentation at the annual meeting of the Kentucky Council of the Social Studies (KCSS), Louisville, KY.
- Mazur, J.M., Swan, G., Cole, H.P., Myers, M., Isaacs, S. and Swan, K. (2007). Supporting Distributed Research Infrastructure: Development and Iterative Testing of an Online Data Collection System for a Multi-State NIOSH Grant. *Presentation at the Annual Conference of the National Institute of Farm Safety (NIFS)*, Penticton, BC (Canada), June, 2007.
- Mazur, J.M., Swan, G., Swan, K. (2007). Telesupervision: Using technology to support and examine collaborative dialogic experiences for pre-service teachers. *Paper presented at the Annual Conference of the Association of Educational Communication Technology (AECT)*, Anaheim, CA. October, 2007
- Mazur, J., Swan, K., Swan, G. (2007, November). Telesupervision: Using technology to support and examine collaborative dialogic experiences for pre-service social studies teachers. *Paper presentation at the annual meeting of the College and University Assembly (CUFA)*, San Diego, CA.
- Swan, G. (2005). Technology in Education: Access and Accessibility. *Invited presentation hosted by Bermuda Ministry of Education*, Bermuda College, Bermuda, November 2005.
- Swan, G. (2002). The Curry Open Portfolio for Educators. *Paper presented at the Fourth National Technology Leadership Summit (NTLS IV)*, Hamilton, Bermuda, November, 2003.

Swan, K.O., & Swan, G. (2002, February). Using Handheld Computers to Engage Students in World History. *Invited Presentation at the University of Virginia's conference, "Grade Nine: The Make it or Break it Year"*, Charlottesville, VA.

Swan, K.O. & Swan, G. (2001, November). Palm computers in the Social Studies. *Workshop at the annual meeting of the National Council for the Social Studies*, Washington, D.C.

Irving, K., McNall, R. L., Swan, G., & Bell, R. (2001). Super science simulations. *A paper presented at the Annual Meeting of the Virginia Society for Technology in Education Conference*, Norfolk, VA., March 2001.

Swan, G. (2000). Future School Seminar: Putting Vision into practice. *Invited presentation hosted by Apple Computers Inc.*, Brewster Academy, Wolfeboro, NH., March 2000.

Research Grants:

Developing Algebraic Thinking, Kentucky Department of Education, \$200,000 per year (3-year grant); Co-PI; Collaborative proposal with PIMSER; Fall 2007-September 30 2009, Total Award: \$600,000

Preventing Farm Injuries on Rural Youth (PFIRRY), NIOSH, Development of Data Collection Systems; October 2006 – September 2010; Total Award: \$1,350,000.

Making Non-Linear Algebra Accessible, CPE, 167,000, Presenter & Consultant, Jan 07-June 08, Total Award: \$167,000

Science Alliance, Kentucky Department of Education, \$190,000 per year, Consultants, 2005-september 30th 2008, Total Award \$570,000

Putting All Students on Track: A partnership to ensure mathematics in college level mathematics, CPE, \$140,000 per year, Collaborative Proposal with PIMSER, Evaluator, Jan 1, 2008-2009

Mathematics Instructional Learning Community, Kentucky Department of Education, \$200,000 per year (3-year grant); Facilitator; Collaborative proposal with Fayette County; Fall 2005-Spring 2008, Total Award: \$600,000