

GINA NAVOA SVAROVSKY

Graduate Student and Researcher
University of Wisconsin-Madison
Department of Educational Psychology
Learning Sciences Area

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EDUCATION

University of Wisconsin - Madison

Pursuing Ph.D. in Educational Psychology, Learning Sciences Area

Expected graduation date: May, 2007

M.S. in Educational Psychology, Learning Sciences Area 2003

University of Notre Dame

M.Ed, concurrent with teaching experience 2001

B.S. in Chemical Engineering 1999

APPOINTMENTS

Faculty of Supervision and Instruction, *University of Notre Dame* 2006-present

Alliance for Catholic Education (ACE) Teacher Training Program

Supervised thirty-two teachers in six cities through online M.Ed. coursework and semesterly site visits.

Researcher, *Epistemologies of Practice Research Laboratory* 2001-present

Digital Zoo Project

Lead researcher responsible for subject recruitment, protocol approval, multi-stage data collection and analysis, supervision of research staff, and collaboration with outside institutions.

Research Fellow, *Academic Advanced Distributed Learning Co-laboratory* 2004-present

Games and Professional Practice Simulations (GAPPS) Collaborative

Project Assistant, *Wisconsin Center for Education Research* 2002-2005

Center for the Integration of Research, Teaching, and Learning (CIRTL)

Planned, coordinated, and implemented semester-long course on Teaching with Technology for STEM graduate students.

Project Assistant, *Wisconsin Center for Education Research* 2001-2002

Modeling Nature: A Route to Understanding Central Themes in Elementary and Middle School Science

Assisted in planning professional development meetings for district school teachers, observed classrooms and meetings, and authored portions of the project website.

Physics Teacher, *St. Petersburg Catholic High School* 1999-2001

Created an intensive, semester-long roller coaster design project for Physics and Honors Physics students.

Chemistry Instructor, <i>Upward Bound Summer Program</i> University of Notre Dame Created curriculum materials and taught course during summer enrichment program.	1999
Undergraduate Teaching Assistant, <i>Ameritech Pre-college Minority Engineering Program</i> University of Notre Dame Assisted with after-school outreach projects at one (of four) middle school learning sites connected by video conferencing technology to the University	1997-1999

PROFESSIONAL SERVICE

Planning Committee, Games, Learning, and Society Conference Games and Professional Practice Simulations (GAPPS) Collaborative	2004-2006
Educational Psychology Student Association Department of Educational Psychology	2005-2006
Student Affairs Committee, University of Wisconsin-Madison Department of Educational Psychology	2002-2005

PUBLICATIONS

Svarovsky, G. N., & Shaffer, D. W. (2006). The hidden workhorses: Design meetings and design notebooks as tools for reflection in the engineering design course. *Proceedings of the 36th ASEE/IEEE Frontiers in Education Conference*, October 2006, San Diego, CA.

Svarovsky, G. N., & Shaffer, D. W. (2006). SodaConstructing an understanding of physics: Technology-based engineering activities for middle school students. *Proceedings of the 36th ASEE/IEEE Frontiers in Education Conference*, October 2006, San Diego, CA.

Svarovsky, G. N., & Shaffer, D. W. (2006). Berta's Tower: Developing conceptual physics understanding one exploratoid at a time. *Proceedings of the International Conference of the Learning Sciences*, June 2006, Bloomington, IN.

Svarovsky, G. N., & Shaffer, D. W. (2006). Engineering girls gone wild: Developing an engineering identity in Digital Zoo. *Proceedings of the International Conference of the Learning Sciences*, June 2006, Bloomington, IN.

Svarovsky, G. N., & Shaffer, D. W. (in press). SodaConstructing knowledge through exploratoids. *Journal of Research in Science Teaching*.

Schoepke, J., & Svarovsky, G. N. (2005). *A Question of Fit Between Today's Graduate Student and Tomorrow's Tech-Savvy Professor: The Lessons Learned from the Teaching with Technology Course*. Paper presented at the 11th International Conference on Human-Computer Interaction, Las Vegas, NV.

Svarovsky, G. N., and Shaffer, D.W. 2004. Berta's Tower: Understanding physics through virtual engineering. *Proceedings of the International Conference of the Learning Sciences*, June 2004, Santa Monica, CA.

Svarovsky, G. N., and Shaffer, D.W. 2003. *Berta's Tower: An expert-novice study investigating ideas in the domain of physics and the practice of engineering*. Paper presented at the American Educational Research Association Annual Meeting, April 2003, Chicago, IL.

PRESENTATIONS

Digital Zoo: Building the next generation of engineers, Games, Learning, and Society Conference. Madison, WI. June 2006.

Digital Zoo: Sodaconstructing the next generation of engineers, Games, Learning, and Society Conference. Madison, WI. June 2005.

From explanatoids to exploratoids: Developing physics knowledge through virtual engineering, Annual Meeting of the National Association for Research in Science Teaching (NARST). Dallas, TX. April 2005.

Preparing Future Faculty to Teach Effectively with Technology. With Alan Wolf. Educause Midwest Regional Conference, Chicago, IL. March 2005.

Research training: the graduate student perspective. Invited panel with Lawrence Casper, Lester Gerhardt, Cindy Atman, Les Sims, John Brighton, and Rob Marley. American Society of Engineering Education Annual Meeting. Salt Lake City, UT. June 2004.

How people learn. Invited presentation. University of Wisconsin-Madison College of Engineering Teaching Improvement Program, August 2004.

Teaching-as-Research. Invited presentation with Sandra Shaw Courter. University of Wisconsin-Madison College of Engineering Teaching Improvement Program, August 2004.

Teaching with Technology. Invited presentation with Soren Meibom. University of Wisconsin Teaching and Learning Symposium, May 2004.

Overview of cognition: Understanding how people learn. Invited presentation. University of Wisconsin-Madison College of Engineering Teaching Improvement Program, August 2003.

COURSES

Clinical Seminar in Teaching	2006
Supervised Teaching	2006
Effective Teaching with Technology (<i>University of Wisconsin-Madison</i>)	2005
Teaching with Technology (<i>University of Wisconsin-Madison</i>)	2004
Physics (<i>St. Petersburg Catholic High School</i>)	1999-2001

Introduction to Physical Sciences (*St. Petersburg Catholic High School*)

1999-2001

Chemistry (*Upward Bound Summer Program*)

1999

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Educational Research Association (AERA)

National Association for Research in Science Teaching (NARST)

American Society for Engineering Education (ASEE)

AWARDS AND HONORS

Future Faculty Partner, University of Wisconsin-Madison Teaching Academy

Spencer Doctoral Research Program and Fellowship

Notre Dame Arts & Letters and Science Honors Program

Notre Dame Scholar