

**Senior Lecturer, Education Department, Ben Gurion University of the Negev**  
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## Education

1999 (December) **Ph.D., Learning Sciences**; Northwestern University [Thesis & peer reviewed published software]  
1991 **B.S.E, Computer Engineering**; The University of Michigan - Ann Arbor

## Research Interests

- Develop models of knowledge construction through distributed mediating agents and media
- Study the relationship between professional identity development and disciplinary learning
- Design technological supports for complex reasoning in naturalistic settings

## Fellowships and Awards

2006 AERA Division C Jan Hawkins Award for Early Career Contributions to Humanistic Research and Scholarship in Learning Technologies  
2003 - 2004 Mandel Fellowship for Research in Education (in residence, Mandel Leadership Institute)  
2001 NARST Outstanding Doctoral Research Award  
2000 - 2003 Guastalla Fellowship for the Advancement of Science Education, Rashi-Sacta foundation (at BGU)  
2000 - 2001 Spencer Advanced Studies Institute (PI: Hoadley & Sandoval)  
1999 - 2000 NIMH Postdoctoral Fellowship in Applied Human Development (at UCLA)  
1998 - 1999 Spencer Dissertation Year Fellowship  
1996 (summer) Summer Program in Research for Graduate Students, Educational Testing Service (ETS)  
1995 - 1997 NSF Training Grant Fellowship  
1994 - 1995 NSF Graduate Fellowship for Women and Minorities in Engineering

## Grants

2010 – 2014 European Union FP7 Marie Curie ITN – INTRO (CoPI for BGU team, lead PI for BGU Yael Edan, with additional University and Industry partners from 5 European countries)  
2008 – 2011 European Union FP7 Science in Society – CoReflect (PI with partners from 6 other EU countries)  
2004 - 2005 Mandel Leadership Institute Research Grant  
2003 - 2004 Seed Grant, Ben Gurion University (based on high score on Israel Science Foundation proposal)  
2001 - 2001 Seed Grant, Faculty of Humanities and Social Sciences, BGU  
1999 - 2000 Center for Innovative Learning Technologies Seed Grant (with Linn and Eylon)  
1998 - 1999 Northwestern University Dissertation Grant

## Editorships, Editorial Boards and Review Panels

(2013-) Editor in Chief (with Radinsky), Journal of the Learning Sciences  
2011 -- ongoing Editorial Board, Educational Psychologist  
2006 – 2012 Associate Editor, Journal of the Learning Sciences  
2001 – 2006 Editorial Board, Journal of the Learning Sciences (2001-2003 – review board)  
2003 NSF Science of Learning Centers (Catalyst) Review Panel

## Professional Appointments

2008 - 2010 President, International Society of the Learning Sciences (elect '08, president '09, past '10)  
2005 - 2011 Board of Directors, International Society of the Learning Sciences (elected position)

## National and International Committees

2010 – 2012 Language & Literacy, Initiative for Applied Educational Research, Israel Academy of Sciences  
2002 – 2012 Science Park Steering Committee, Rashi-Sacta Foundation, Beer-Sheva, Israel  
2006 -- ongoing AERA SIG Advanced Technologies for Learning & Learning Sciences Best Student Paper Award

## Program Committees

2012-2014 ICLS 2014 – Program Co-chair (with Polman, Kyza and O'neill)  
2013 CSCL 2013 – Early Career Workshop Co-Chair (with Lund & Rose); and Program Committee  
2011 CSCL 2011 – Workshops & Tutorials Co-Chair (with Suthers & Looi)  
2010 Learning, Instruction & Research (conference), The Open University Israel – Program Committee

### **Program Committees (continued)**

2007	CSCL 2007 – Workshops Co-Chair; Computer Support for Collaborative Learning conference
2004	ICLS 2004 – International Relations Co-Chair; Sixth International Conference of the Learning Sciences.
2004	2004 Ayala – program committee (meeting of the Israeli Association for Research in Education)
2002	ICLS 2002 – International relations co-chair; Fifth International Conference of the Learning Sciences

### **Ad hoc Reviews**

Journals	(1) Cognition & Instruction; (2) Educational Psychologist (3) Learning & Instruction (4) Science Education; (5) Journal of the Learning Sciences; (6) Computers & Education; (7) International Journal of Science Education; (8) Dapim [Hebrew]; (9) Script [Hebrew]; (10) Instructional Science; (11) Research and Practice in Technology Enhanced Learning; (12) Pragmatics & Cognition;
Conferences	(1) AERA Annual Meeting; (2) Ayala (Israeli National Education Conference); (3) CHAIS [Research in Learning Technologies, Israel] (4) International Conference of the Learning Sciences; (5) Computer Supported Collaborative Learning; (6) ICCE
Proposals	(1) Israeli Science Foundation (ISF) (2) Open University (Israel; technological course proposal); (3) Mandel Leadership Institute Faculty Research Grants Program;

### **Academic Appointments**

2011 – 2012	Visiting Scholar, UCLA, GSE&IS, Psychological Studies in Education
2010 - 2011	Associate Director Mandel Scholars in Education Program, Mandel Leadership Institute
2010 - 2011	Chair: Division of Curriculum & Instruction, Education Department, Ben Gurion University, Israel
2010	Visiting Scholar, Mandel Leadership Institute (March - September)
2009 - 2010	Chair, Medical Education, Faculty of Medicine, The Hebrew University of Jerusalem
2006 – 2009	Chair: Learning, Instruction & Technology Program, Ben Gurion University, Israel
2005 – 2006	Early Career Research Affiliate, Center for Curriculum Materials in Science (CCMS)
2000 -- ongoing	Education Department, Ben Gurion University, Israel [Lecturer, '00-'08; Senior Lecturer '08]
1999 - 2000	Postdoctoral Fellow, Graduate School of Education (Psychological Studies in Education), UCLA

### **Research Experience**

2000 - ongoing	<b>Ben Gurion University of the Negev, Israel: Senior Lecturer (2008), Department of Education</b> <ul style="list-style-type: none"><li>• Problem solving &amp; learning in scientific domains</li><li>• Scaffolding in human and computational agents</li><li>• Theoretical &amp; empirical conceptualizations of the construct of <i>context</i></li><li>• Epistemological development: cross-domain and cross-cultural studies (sociocultural perspective)</li><li>• Professional identity and professional development</li><li>• Design-based research methods</li></ul>
2009 - 2010	<b>The Hebrew University of Jerusalem, Israel: Chair of the Center for Medical Education</b> <ul style="list-style-type: none"><li>• Reasoning processes in Evidence-based Medicine</li><li>• Citizenship and science: laypersons' health-care related evidence-based decisions</li></ul>
1999 - 2000	<b>University of California, Los Angeles: NIMH Postdoctoral Fellow in Applied Human Development; Faculty mentors: Yasmin Kafai, Deborah Stipek</b> <ul style="list-style-type: none"><li>• Teacher practices in a technology-supported classroom (Kafai's KIDS project)</li><li>• Development of scientific critiquing skills and the Web (with Marcia Linn and Bat Sheva Eylon)</li></ul>
1995 - 1999	<b>Northwestern University: Research Assistant for Brian Reiser</b> BGuILE, learning environments to support student-directed inquiry <ul style="list-style-type: none"><li>• Developed educational software and curriculum materials (H.S. Biology – Evolution)</li><li>• Qualitative and quantitative data analysis, interviews and classroom observations</li><li>• Co-authored grant proposal to McDonnell foundation, awarded 1998</li></ul>
1996 (summer)	<b>Educational Testing Service: Research Fellow for Ann Kindfield</b> <ul style="list-style-type: none"><li>• Assessment of Genscope (BBN), visualization tool for Mendelian Genetics.</li><li>• Conceptual inventory &amp; development of assessment instruments</li></ul>
1993-1994	<b>Educational Testing Service: Senior Research Assistant for Drew Gitomer</b> <ul style="list-style-type: none"><li>• HyDRIVE, intelligent tutoring system; aircraft hydraulics technicians (programming and content)</li></ul>
1989-1992	<b>The University of Michigan: Research Assistant for Elliot Soloway</b> Usability and pedagogical evaluation: GPC, MFB (for Computer, Inc.);

## Thesis and project advisement

PhD Theses	<b>in progress:</b> The Teacher as Partner: An empirical Study (Tali Sabag); In-service in-school professional development: Testing a novel model (Samira Nasser); Teachers as initiators, developers and enacting agents of educational innovation (Einat Rozner).
MA Theses	<b>10 completed</b> , topics include: telementoring & epistemology; motivation and technology in learning; technology and learning disabilities; teachers' professional lives; alternative conceptions of probability; , teaching special populations, negotiation strategies in self-advocacy of learning disabled children, reasoning in evidence-based medicine, digital gaming and social cognition
MA Final Projects	<b>5 completed</b> topics include: reflection in online learning environments, teachers' attitudes and use of technology, learning processes in online learning environments, conceptions of the nature of science [2 in with Dr. Rikki Rimor; 1 in with Dr. Gad Alexander]; <b>10 literature reviews completed</b> as the culminating requirement of a masters of science teaching on a range of topics in the field.

## Teaching experience

'09 – '10	<b>Academic Writing</b> , doctoral course, Ben Gurion University of the Negev, Beer Sheva, Israel
'09 – '10	<b>Learning Across Contexts and the Lifespan</b> , undergraduate seminar, Ben Gurion University of the Negev, Beer Sheva, Israel
'09 – '10	<b>Critical Perspectives on Schooling: The role of Technology in Equity</b> , undergraduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
'08 – '09	<b>Introduction to Qualitative Research Methods</b> , undergraduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
'07 – '08	<b>Gaming and Identity</b> , undergraduate seminar, Ben Gurion University of the Negev, Beer Sheva, Israel
'06 - ongoing	<b>Project Seminar: Designing and Evaluating Computational and Networked Learning Environments</b> , graduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
'04 - ongoing	<b>Qualitative Research Methods</b> , graduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
'01 - ongoing	<b>Classroom Discourse: Face to Face vs. Technology Supported</b> , graduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
'00 - ongoing	<b>Design of Computer-based Learning Environments (Practicum on School-based interventions)</b> , graduate seminar, Ben Gurion University of the Negev, Beer Sheva, Israel
'00 - '03	<b>Cognitive Approaches to Science Education</b> , graduate course, Ben Gurion University of the Negev, Beer Sheva, Israel
09/98-05/00	<b>Guest lectures in graduate seminars in Educational Technology</b> , UCLA, CA
1/98-3/98	<b>Teaching assistant for Design of Learning Environments</b> , graduate seminar, MS.Ed, Ph.D and MA students. Instructor Brian Reiser. Northwestern University, Evanston, IL.
9/96-12/96	<b>Teaching assistant for Learning in Context: Cognitive Science Foundations of the Learning Sciences</b> , graduate and undergraduate seminars. Instructor Louis Gomez. Northwestern University, Evanston, IL.
1/96-3/96	<b>Teaching assistant for Science Education: Theory and Practice</b> , graduate seminar. Instructor Brian Reiser. Northwestern University, Evanston, IL.
1/96-2/96	<b>Co-instructor in Explorations in Ecology and Evolution</b> , biology enrichment class (middle school), Center for Talent Development, Northwestern University, Evanston, IL.
1/92 - 5/92	<b>Assistant instructor for Pascal course</b> , Community High School, Ann Arbor, MI.
9/88 - 5/89	<b>Teacher of Hebrew</b> , Beth Israel religious school, Ann Arbor, MI.
8/84 - 6/86	<b>Instructor for Infantry and Instruction Techniques</b> , army service IDF, Israel.

## Teacher Professional Development

7/97	Co-instructor in "BGuILE, using the Finch Scenario in High School Classrooms" CoVis Summer Teacher Workshops, Evanston, IL.
7/95	Co-organizer and instructor, two week workshop with local teachers developing complementary activities for the BGuILE investigation software.

## **Professional Experience and Service**

**Mentor in Early Career Workshop, CSCL2011**, July 2011, Hong Kong

**Mentor in Early Career Workshop, ICLS 2010**, June 2010, Chicago, ILL

**Mentor in Eighth National Doctoral Consortium for Science Education, Sacta-Rashi Foundation**, October 5-7, 2008, Nir Ezion, Israel.

**Mentor in First Timer's Workshop, ICLS 2008**, June, 2008, Utrecht, The Netherlands

**Mentor in Early Career Workshop, CSCL 2007**, July, 2007, New Brunswick, NJ.

**Consultant on evaluation of e-learning R&D for iClass** (EU FP6 project: intelligent cognitive-based open online learning system)

**BGU-UCLA Academic Exchange Program**, July, 2005 (Competitive application & travel stipend)

**Invited participant: American Association for the Advancement of Science – Center for Curriculum Materials in Science Knowledge Sharing Institute**, July 2004.

**ICLS 2004 Junior Faculty Workshops** (Competitive application & stipend award)

**Mentor in Spencer Foundation “Career Trajectory” Session for 2002-2003 Dissertation Year Fellows**, April 22, 2003, Chicago, IL.

**Invited session chair: Mixed-Methods; First Inter-Disciplinary Israeli Conference on Qualitative Methods**, 2002.

**Mentor in Fifth National Doctoral Consortium for Science Education, Sacta-Rashi Foundation**, October 7-9, 2002, Nir Ezion, Israel.

**ICLS 2002 Junior Faculty Workshops** (Competitive application & stipend award)

**Co-chair and session organizer AERA 1998, AERA 1999, AERA 2002**

**University committees:** Faculty of Humanities and Social Sciences representative to LAMDAN Steering Committee, university outreach for science and knowledge enrichment for youth, Ben Gurion University of the Negev (2004-2006)

**Departmental committees:** Doctoral committee (2010 – 2011); (B.A. committee (2002-2004); Computer lab coordinator (2004- ongoing); Room Allocation (ad-hoc summer 2003); Library liason (2000-2004)

**Thesis workshop at the Spencer Fellowship Winter Forum** (February 1999). Faculty mentors: James Greeno, Rogers Hall, Geoffrey Saxe, and Marcia Linn

**Doctoral Consortium** (competitive & stipend), **CSCL 1997**. Faculty mentors: Tom Duffy, Barry Fishman, Louis Gomez, Mark Guzdial, and Nancy Songer

**Workshops coordinator, 1991 National Educational Computing Conference**

- Supervised development and distribution of multimedia composition software
- Participated in organizing and leading workshops (22 sessions)

**Demonstration suite, 1990 National Educational Computing Conference**

- Brochure production and demonstrations

## **Publications**

### **Refereed Journals**

- Tabak, I. (2011). Commentary 5: Design-based Research Methods and Engineering Education. In Johri, A. & Olds, B. Situated Engineering Learning, *Journal of Engineering Education*, 100(1), pp.151-185.
- Tabak, I., Reiser, B. J. (2008). Software-Realized Scaffolding for Cultivating a Disciplinary Stance. *Pragmatics & Cognition*, 16 (2), pp. 307-354. [Reprinted by publisher due to demand as a chapter in an edited volume]
- Tabak, I. (2006). Prospects of Change at the Nexus of Policy and Design. *Educational Researcher* 35 (2), pp. 24-30.
- Tabak, I. (2005). Are disciplinary distinctions pertinent to multicultural education?: A view from science. *Multicultural Perspectives* 7 (4), pp. 33-38.
- Tabak, I., Weinstock, M. (2005). Knowledge is knowledge is knowledge? The relationship between personal and scientific epistemologies, *Canadian Journal for Science, Mathematics and Technology Education* 5(3), pp. 307-328.
- Tabak, I., (2004). Synergy: A Complement to Emerging Patterns of Distributed Scaffolding. *Journal of the Learning Sciences*, 13 (3), pp. 305-355 .
- Tabak, I. (2004). Reconstructing Context: Negotiating the Tension between Exogenous and Endogenous Educational Design. *Educational Psychologist*, 39 (4), pp. 225-233.
- Tabak, I., Baumgartner, E., (2004). The Teacher as Partner: Exploring Participant Structures, Symmetry and Identity Work in Scaffolding. *Cognition and Instruction*, 22 (4), pp. 393-429.
- Neuman, Y., Weinstock, M., Tabak, I., (2004). Missing the Point or Missing the Norms?: On Epistemological Norms as Predictors of Students Ability to Identify Fallacious Arguments. *Contemporary Educational Psychology*, 29 (1), pp. 77-94.
- Neuman, Y., Tabak, I., (2003). Inconsistency as an Interactional Problem: A Lesson from political rhetoric. *Journal of Psycholinguistic Research*, 32 (3), 251-267.
- Design-Based Research Collective\* (2003). Design-Based Research: An Emerging Paradigm for Educational Inquiry. *Educational Researcher*, 32 (1), pp. 5-8. *Theme Issue: The Role of Design in Educational Research*.
- \***Note:** "Design Based Research Collective" refers to the members of the Spencer Advance Studies Institute on Design-Based Research, of which I am a member. Authors contributed equally to this paper.
- Tabak, I (2009). Information Processing to No End: A Critical Review of Computers in Education. *Alpayim (special issue on education)*, 34, pp. 194-215. [Hebrew: "Ibud Meida Ladaat", Invited]
- Tabak, I. (2008) There's Doing but There's No Learning. *Hed Ha Chinuch*. 82 (4), pp. 36-39. [Hebrew: "Peilut Yesh Lemida Ein", Invited].

### **Peer Reviewed Archival Proceedings**

- Tabak, I., Weinstock, M., Zviling-Beiser, H., (2010). Discipline-specific Socialization: A Comparative Study. In J. Radinsky & K. Gomez, *ICLS '10: Proceedings of the 9th International Conference of the Learning Sciences*, (pp. 842-848), Chicago, IL: International Society of the Learning Sciences.
- Tabak, I. (2002). Teacher as monitor, mentor or partner: Uncovering participant structures involved in supporting student-directed inquiry, *Proceedings of the Fifth International Conference of the Learning Sciences*. Seattle, WA.
- Tabak, I., & Reiser, B. J. (1997). Complementary Roles of Software-Based Scaffolding and Teacher-Student Interactions in Inquiry Learning. In R. Hall, N. Miyake, & N. Enyedy (Eds.), *Proceedings of Computer Support for Collaborative Learning '97*, (pp. 289-298), Toronto, Canada.
- Tabak, I., Smith, B. K., Sandoval, W. A., & Reiser, B. J. (1996). Combining General and Domain-Specific Strategic Support for Biological Inquiry. In C. Frasson, G. Gauthier, & A. Lesgold (Eds.), *Intelligent Tutoring Systems: Third International Conference, ITS '96*, (pp. 288-296), Montreal, Canada: Springer-Verlag.
- Tabak, I., Sandoval, W. A., Smith, B. K., Agganis, A., Baumgartner, E., & Reiser, B. J. (1995). Supporting Collaborative Guided Inquiry in a Learning Environment for Biology. In J. L. Schnase & E. L. Cunnius (Eds.), *Proceedings of CSCL '95: The First International Conference on Computer Support for Collaborative Learning*, (pp. 362-366). Bloomington, IN: Erlbaum.

## **Chapters**

Tabak, I. (Forthcoming, 2013). Lights, Camera, Learn: When the set is as important as the actors. In R. Luckin, P. Goodyear, B. Grabowski, N. Winters, J. Underwood & S. Puntambekar (Eds.), *Handbook of Design in Educational Technology*. London, UK: Routledge.

Tabak, I., & Weinstock, M. (2011). If there is no one right answer?: The epistemological implications of classroom interactions. In J. Brownlee, G. Schraw & D. Berthelsen (Eds.), *Personal Epistemology and Teacher Education* (pp. 180-194). New York: Routledge.

Tabak, I., & Weinstock, M. (2008). A sociocultural exploration of epistemological beliefs. In M. S. Khine (Ed.), *Knowing, Knowledge, and Beliefs: Epistemological Studies across Diverse Cultures* (pp. 177-196). Amsterdam: Springer.

Reiser, B. J., Tabak, I., Sandoval, W. A., Smith, B., Steinmuller, F., Leone, T. J., (2001) BGuILE: Strategic and Conceptual Scaffolds for Scientific Inquiry in Biology Classrooms. In S.M. Carver & D. Klahr (Eds.). *Cognition and Instruction: Twenty five years of progress*. Mahwah, NJ: Erlbaum

**Note:** the chapters in this book were peer reviewed.

Guzdial, M., Soloway, E., Blumenfeld, P., Hohmann, L., Ewing, K., Tabak, I., Brade, K., & Kafai, Y. (1992). The Future of CAD: Technological Support for Kids Building Artifacts. In D. Balestri, S. Ehrmann, & D. L. Ferguson (Eds.), *Learning to Design, Designing to Learn: Using Technology to Transform the Curriculum* Norwood, NJ: Ablex.

Soloway, E., Guzdial, M., Brade, K., Hohmann, L., Tabak, I., Weingrad, P., & Blumenfeld, P. (1992). Technological Support for the Learning and Doing of Design. In M. Jones & P. H. Winne (Eds.), *Foundations and Frontiers of Adaptive Learning Environments* New York, NY: Springer-Verlag.

## **Ph.D. Thesis**

Tabak, I. (1999). Unraveling the Development of Scientific Literacy: Domain-Specific Inquiry Support in a System of Cognitive and Social Interactions, *Dissertation Abstracts International* (Vol. A 60, pp. 4323). Evanston, IL.: Northwestern University.

## **Peer Reviewed Software**

Tabak, I., Reiser, B. J., Sandoval, W. A., Leone, T. J., & Steinmuller, F. (2001). BGuILE: The Galapagos Finches - The Struggle for Survival [Computer software]. In J. R. Jungck (Ed.), *The BioQuest Library VI*. San Diego, CA: Harcourt Academic Press.

### **Keynotes & Invited Presentations**

- Tabak, I. (2012, July). Keynote, 4th Biennial Conference of the International Society for the Psychology of Science and Technology, Pittsburgh, PA: "Objects, subjects and subjectivity: The disciplinary stance of scientists and learners."
- Tabak, I. (2007, June). Effect and Affect: Science learning and identity formation in technology-infused classrooms. *Weizmann Institute*, Rehovot, Israel.
- Tabak, I. (2007, April). Objects, Subjects, and Subjectivity. *Jan Hawkins Award Lecture, Annual Meeting of the American Educational Research Association, Chicago, IL.*
- Tabak, I (2006, June), Keynote, Fifth Conference of the Cyprus Computer Using Educators Group (CCUEG), Nicosia, Cyprus.
- Tabak, I (2005, December). How Classroom Cultural Tools Construct Identity and Subject-Matter Learning in the Science Classroom. *Technion*, Haifa, Israel.
- Tabak, I. (2004) A call for constructing a pattern language for educational reform. Session discussing ramifications of the Dovrat report (recent government sanctioned reform initiative), *Ayala conference* (meeting of the Israeli Association for Research in Education).
- Tabak, I. (2002) Ways of knowing, doing and talking: multicultural dimensions in science education. Science section-head lecture, *Ayala conference* (meeting of the Israeli Association for Research in Education).
- Tabak, I. (2002). Shall a wolf dwell with a lamb? Combining quantitative and qualitative methods in educational research. *Israeli Center for Qualitative Methods*, Ben Gurion University, Israel.
- Tabak, I. (2001). Teacher and Software as Interrelated Agents in a Distributed Scaffolding System to Support Inquiry:
- King's College, London; UK
  - Technion, Haifa; Israel
  - Weizmann Institute, Rehovot, Israel

### **Discussant**

- Tabak, I. (2011). Scaffolding, pedagogical theory, and intercontextuality. Commentary on session: Contextualizing the changing face of Scaffolding Research: Are we driving pedagogical theory development or avoiding it? At 9<sup>th</sup> *International Conference on Computer Supported Collaborative Learning CSCL2011, Hong Kong.*
- Tabak, I. (2009). Scaffolding, pedagogical theory, and intercontextuality. Commentary on session: Participatory design of web-based learning environments: Challenges and Responses. At 13<sup>th</sup> *Biennial Conference for Research on Learning and Instruction EARLI2009, Amsterdam, NL.*
- Tabak, I. (2009). Expanding our Conceptions of (Medical) Expertise. Commentary on session: Simulation-based Learning; Analyzing and Fostering Complex Skills in the Context of Medical education. At 13<sup>th</sup> *Biennial Conference for Research on Learning and Instruction EARLI2009, Amsterdam, NL.*
- Tabak, I. (2007). Considering peer mediation thru Vygotsky's ideas of artifacts as pivots into new worlds. Commentary on session: Peer Mediation of Scientific Argumentation and Learning in Classroom Investigations with Visual Data. At *Annual Meeting of the American Educational Research Association, Chicago, IL*

### **Presentations**

- Tabak, I., Asher, I., Nasser, S., Kyza, E., Herodotou, C., Nicolaido, I., . . . Kollias, V. (2011). *Increasing International Capacity for CSCL: CoReflect, an Example of Sharing and Adapting CSCL Environments across Europe*. Paper presented at the 9th International Conference on Computer Supported Collaborative Learning, Hong Kong.
- Asher, I., Nasser, S., Ganaim, L., & Tabak, I. (2011). Two graphs don't make a whole: the synthesis of disparate graphs in inquiry-based science learning. *Paper presented at the 9th Biennial European Science Education Research Association Conference ESERA 2011, Lyon, France.*
- Asher, I., Nasser, S., Tabak, I., (2010). Putting the pieces together: The challenge and value of synthesizing disparate graphs in inquiry-based science learning. *Proceedings of the Ninth International Conference of the Learning Sciences. Chicago, IL.*
- Asher, I., Nasser S., Ganaim L., Tabak I., (2010). Specialized authoring tool as boundary object: The case of the Ben Gurion team. Poster presented as part of the symposium: The Educative and Scalable Functions of Authoring Tools to Support Inquiry-based Science Learning. *At the 9<sup>th</sup> International Conference of the Learning Sciences, Chicago, IL.*
- Tabak, I., Weinstock, M., Zviling-Beiser, H., (2009). Epistemology & Learning in the Disciplines: Cross-domain Epistemological Views of Science versus Humanities Students. *In 2009 Annual Meeting of the National Association for Research in Science Teaching*, Orange Grove, CA.

### **Presentations (continued)**

- Tabak, I., Weinstock, M. (2007). Developmental Psychology Meets Nature of Science: Informing Inquiry-based Science Curricular Design. In *CCMS Fifth Knowledge Sharing Institute at the Association for the Advancement of Science (AAAS)*, Washington DC.
- Halperin, M., Tabak, I. (2005). A Qualitative Exploration of Secondary Students' Motivational Orientations. In *2005 Annual Meeting of the American Educational Research Association*.
- Tabak, I., Sandoval, B. (2005). "Who are we and what can we be?": The extent to which different configurations of students, teachers and materials foster a sense of agency. In *2005 Annual Meeting of the American Educational Research Association*.
- Tabak, I., Kaplan, A., Deutsch, Y. (2003). Adaptive Motivational Changes through an Internet-supported Investigation Activity. In *2003 Annual Meeting of the American Educational Research Association*.
- Tabak, I. (2002). Teacher as monitor, mentor or partner: participant structures to support inquiry-based science learning. In *2002 Ayala conference (meeting of the Israeli Association for Research in Education)*.
- Tabak, I. (2002). Navigating the Tension between Engineered and Emergent Activity Structures: Some Challenges in Working Towards a Theory of Context. In *2002 Annual Meeting of the American Educational Research Association*, New Orleans, LA.
- Tabak, I. (2001). Old Wine in New Bottles: Towards a Practice-based Definition of a Culture of Inquiry in Science Classrooms. In *2001 Annual Meeting of the American Educational Research Association*, Seattle, WA.
- Tabak, I. & Reiser, B.J., (2000) Exploring a Range of Student-Directed Inquiry Processes and their Influence on the Construction of Scientific Conceptions. In *2000 Annual Meeting of the National Association for Research in Science Teaching*, New Orleans, LA.
- Tabak, I., & Reiser, B. J. (1999). Steering The Course of Dialogue in Inquiry-Based Science Classrooms. In *1999 Annual Meeting of the American Educational Research Association*, Montreal, Canada.
- Tabak, I., Reiser, B.J., Spillane, J.P. (1999). BGuILE: Teachers, Students and Materials Interacting to Construct Biological Knowledge. In *CILT99 The 1999 Annual CILT Conference*, San Jose, CA.
- Tabak, I., & Reiser, B. J. (1998). BGuILE: Developing Strategic and Conceptual Knowledge in Technology-Supported High School Biology Classes. In *1998 Annual Meeting of the National Association for Research in Science Teaching*, San Diego, CA.
- Tabak, I., Sandoval, W. A., Smith, B. K., Steinmuller, F., & Reiser, B. J. (1998). BGuILE: Facilitating Reflection as a Vehicle Toward Local and Global Understanding. In *1998 Annual Meeting of the American Educational Research Association*, San Diego, CA.
- Sandoval, W. A., Tabak, I., Smith, B. K., Steinmuller, F., & Reiser, B. J. (1998). BGuILE: Iterative Design of a Technology-Supported Biological Inquiry Curriculum. In *1998 Annual Meeting of the American Educational Research Association*, San Diego, CA.
- Reiser, B. J., Sandoval, W. A., Smith, B. K., & Tabak, I. (1998). Teachers' Support of Students' Biological Inquiry: Making Use of Artifacts of Students' Reasoning. In *1998 Annual Meeting of the American Educational Research Association*, San Diego, CA
- Reiser, B. J., Tabak, I., Sandoval, W. A., & Steinmuller, F. (1998). Teaching Evolutionary Reasoning and Argumentation. In *Twentieth Annual Meeting of the Cognitive Science Society*, Madison, WI.
- Tabak, I., & Reiser, B. J. (1997). Domain-Specific Inquiry Support: Permeating Discussions with Scientific Conceptions. In *Proceedings of From Misconceptions to Constructed Understanding*, Ithaca, NY.
- Tabak, I., Smith, B. K., Sandoval, W. A., & Agganis, A. (1996). BGuILE: Supporting Inquiry in a Learning Environment for Biology. In *1996 Annual Meeting of the American Educational Research Association*, New York, NY.
- Tabak, I. 1996 - 1999, yearly presentations in the Learning Sciences sponsored brown bag colloquium.
- Guzdial, M., Soloway, E., Hohmann, L., Tabak, I., Brade, K., Konemann, M., Walton, C., & Robinson, B. (1992). Student Outcomes Using the GPCeditor. In *Annual Meeting of the American Educational Research Association*, San Francisco, CA.
- Hayes, P. J., Tabak, I., & Soloway, E. (1989). Consistency and Salience: Interface Issues in Macintosh Fundamentals and Beyond. Presented at *Apple Computer, Inc., Cupertino, CA*
- Hayes, P. J., & Tabak, I. (1989). MFB: Navigational Issues in a HyperText Training System. In *HCI Workshop at the Cognitive Science and Machine Intelligence Lab (CSMIL), The University of Michigan, Ann Arbor, MI*

**Technical and Research Reports**

Hibino, S., Tabak, I., & Soloway, E. (1992). Key Criteria for User Training: Approachability, Proficiency and Applicability. Unpublished manuscript. The University of Michigan, Ann Arbor.

Soloway, E., Hayes, P. J., & Tabak, I. (1989). Final Project Report: Facilitating Enhanced Learning in Macintosh Fundamentals and Beyond. Apple Computer, Inc., Cupertino, CA.