

DAVID SLAVIT

Associate Professor, Mathematics Education/Mathematics
Washington State University Vancouver
14204 NE Salmon Creek Avenue, Vancouver, WA 98686-9600
dslavit@wsu.edu <http://www.vancouver.wsu.edu/fac/slavitd/home.html>

EDUCATION

Ph.D. University of Delaware, Mathematics Education, May, 1994
M.A. University of Missouri, Mathematics, December, 1989
B.S. University of Missouri, Mathematics Education, December, 1985

PROFESSIONAL WORK EXPERIENCE

1994-present Full (2007) Professor, Mathematics Education, WSUV
Dept. of Teaching & Learning and Dept. of Mathematics

1991-1994 Instructor, University of Delaware

1989-1991 Assistant Professor, Mathematics, Lyon College (nee Arkansas College)

REFEREED PUBLICATIONS

Slavit, David, Kennedy, Anne, Lean, Zach, Nelson, Tamara Holmlund, & Deuel, Angie (in press). Support for professional collaboration in middle school mathematics: A complex web. *Teacher Education Quarterly*.

Slavit*, David & McDuffie*, Amy Roth (in press). Self-directed teacher learning in collaborative contexts. *School Science and Mathematics*.

Kennedy, Anne, Deuel, Angie, Nelson, Tamara Holmlund, & Slavit, David (in press). Distributed leadership in professional learning communities. *Phi Delta Kappan*.

Slavit, David, Nelson, Tamara Holmlund, & Kennedy, Anne (2010). Laser focus on content strengthens teacher teams. *Journal of Staff Development*, 31(5), 18-22.

Slavit, David & Nelson, Tamara Holmlund (2010). Collaborative teacher inquiry as a tool for building theory on the development and use of rich mathematical tasks. *Journal of Mathematics Teacher Education*, 13(3), 201-221.
http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s10857-009-9136-x&sa_campaign=Email/ACE/OF

Nelson, Tamara Holmlund, Deuel, Angie, Slavit, David, & Kennedy, Anne (2010). Leading deep conversations in collaborative inquiry groups. *The Clearing House*, 83(5), 175-179.
<http://www.informaworld.com/smpp/title~db=all~content=g925472527>

Deuel, Angie, Nelson, Tamara, Slavit, David, & Kennedy, Anne (2009). Looking at student work. *Educational Leadership*, 67(3), 69-72.

Bornemann, Greta, Haury, Scott, & Slavit, David (2009). Collaborative teacher inquiry using "rich" mathematics tasks. *Mathematics Teacher*, 101(8), 546-551.

Nelson, Tamara, Slavit, David, Perkins, Martha, & Hathorn, Tom (2008). A culture of collaborative inquiry: Learning to develop and support professional learning communities. *Teachers College Record*, 110(6), 1269-1303.

Slavit, David* & Nelson, Tamara* (2008). Supported teacher collaborative inquiry. *Teacher Education Quarterly*, 35(1), 99-116.

- Slavit, David & Ernst-Slavit, Gisela (2007). Two for one: Teaching mathematics and English to English language learners. *Middle School Journal*, 39(2), 4-11.
<http://www.nmsa.org/Publications/MiddleSchoolJournal/Articles/November2007/Article1/tabid/1543/Default.aspx>
- Slavit, David* & Ernst-Slavit, Gisela* (2007). Educational reform, mathematics, and English language learners: Meeting the needs of all students. *Multicultural Education*, 14(4), 20-27.
- Nelson, Tamara & Slavit, David (2007). Collaborative inquiry amongst science and mathematics teachers in the U.S.A.: Professional learning experiences through cross-grade, cross-discipline dialogue. *Journal of In-service Education*, 33(1), 23-39.
- Slavit, David & Nelson, Tamara (2006). Dialogic teacher change: Two cases of supported collaborative inquiry. *Working Papers on Culture, Education and Human Development*, 2(2). <http://www.uam.es/otros/ptcedh/>
- Slavit, David (2006). Uncovering algebra: Sense making and property noticing. *The Mathematics Educator*, 16(2), 4-13.
- Brink, Beverly, Curley, Janet, & Slavit, David (2004). Updating practice: A developmental approach to implementing an instructional technology component in Content Area Reading. *Journal of Reading Education*, 29(2), 11-22.
- Sjoberg, Craig, Slavit, David, & Coon, Terry (2004). Writing Prompts and Modeling that Support Mathematical Development and Connections. *Mathematics Teaching in the Middle School*, 9(9), 490-493.
- Slavit, David, Sawyer, Richard, & Curley, Janet (2003). Filling Your PLATE: A Professional Development Model for Teaching with Technology. *TechTrends*, 47(4), 35-38. <http://www.aect.org/Intranet/Publications/TechTrends/4704.asp>
- Roth-McDuffie, Amy, & Slavit, David (2003). Utilizing Online Discussion to Support Reflection and Challenge Beliefs in Elementary Mathematics Methods Classrooms. *Contemporary Issues in Technology and Teacher Education (CITE)*, 2(4), 446-466.
<http://www.citejournal.org/vol2/iss4/mathematics/article1.cfm>
- Slavit, David, LoFaro, Tom, & Cooper, Kevin (2002). Understandings of solutions of differential equations through contexts, simulations, and student discussion. *School Science and Mathematics*, 102(8), 380-390.
- Slavit, David (2002). Expanding Classroom Discussion with an Online Medium. *Journal of Technology and Teacher Education*, 10(3), 407-422.
- Slavit, David (2001). Revisiting a common factoring pattern. *Mathematics Teaching in the Middle School*, 6(6), 378-381.
- Slavit, David & Yeidel, Joshua (1999). Using web-based materials in large-scale precalculus instruction. *International Journal of Computers for Mathematical Learning*, 4(1), 27-50.
- Slavit, David (1999). The role of operation sense in transitions from arithmetic to algebraic thought. *Educational Studies in Mathematics*, 37(3), 251-274.
- Slavit, David (1999). Problem solving and world wide help. *Ohio Journal of School Mathematics*, 39, 17-20. (reprinted in the following issue, 40, 15-18)
- Slavit, David (1999). Three women's understanding of function in a precalculus course integrated with the graphing calculator. *Journal of Mathematical Behavior*, 17(3), 355-372.

- Slavit, David (1998). Above and beyond AAA: Similarity and congruence of polygons. *Mathematics Teaching in the Middle School*, 3(4), 276-280.
- Slavit, David (1997). An alternate route to the reification of function. *Educational Studies in Mathematics*, 33(3), 259-281.
- Slavit, David, & Adams, Verna (1996). An integrated unit on weight, gravity, and quadratic functions. *Washington Science Teachers' Journal*, 36(22), 16-18.
- Slavit, David (1996). Graphing calculators in a "hybrid" Algebra II classroom. *For the Learning of Mathematics*, 16(1), 9-14.
- Slavit, David (1995). Small groups leading to big groups. *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)*, 5(4), 368-377.
- Slavit, David (1992). What's So Hard About Graphing a Parabola? *Texas Mathematics Teacher*, 38(2), 8-10.
- *Both authors share first-author role.

PUBLICATIONS BEING REVIEWED

- Slavit*, David, Nelson*, Tamara Holmlund, & Deuel, Angie (under review). Two Dimensions of an Inquiry Stance: A Theoretical Model for Understanding and Supporting Teachers' Collaborative Work. *Teachers College Press*.

PUBLICATIONS IN PROGRESS

BOOKS

- Slavit, David, Nelson, Tamara Holmlund, & Kennedy, Anne (Eds.) (2009). *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Taylor & Francis.

BOOK CHAPTERS

- Slavit, David & Ernst-Slavit, Gisela (in press). Windmills. In J. K. Golson (Ed.) *Encyclopedia of Mathematics and Society*.
- Ernst-Slavit, Gisela & Slavit, David (in press). South America. In J. K. Golson (Ed.) *Encyclopedia of Mathematics and Society*.
- Slavit, David & Ernst-Slavit, Gisela (2009). Jaime Escalante. In David Leonard & Carmen Lugo (Eds.), *Latinos and Latinas in US History and Culture: An Encyclopedia* (pp. 171-173). M.E. Sharp Inc.
- Slavit, David & Nelson, Tamara Holmlund (2009). Supported collaborative teacher inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.
- Nelson, Tamara Holmlund, Kennedy, Anne, Deuel, Angie, & Slavit, David (2009). The influence of standards and high-stakes test-related documents on teachers' collaborative inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.
- Slavit, David, Laurence, Wendi, Kennedy, Anne, & Nelson, Tamara Holmlund (2009). Resource networks for collaborative teacher inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.

- Kennedy, Anne, Slavit, David, & Nelson, Tamara Holmlund (2009). Supporting collaborative teacher inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.
- Slavit, David, & Kring, Bill (2008). Calculator use. In Neil Salkind (Ed.), *Encyclopedia of Educational Psychology (Vol. 1)*. Thousand Oaks, CA: Sage Publications.
http://www.sage-ereference.com/educationalpsychology/Article_n33.html
- Slavit, David and Yeidel, Joshua (2000). Inserting the Web into Precalculus. In David G. Brown (Ed.), *Interactive Learning: Vignettes from America's Most Wired Campuses* (84-87). Anker: Bolton, MA.

BOOK REVIEWS

- Slavit, David (2008). *Algebra in the Early Grades*. J.J. Kaput, D.W. Carraher, & M.L. Blanton, Editors. *Teachers College Record*.
<http://www.tcrecord.org/content.asp?contentid=15443>

CONFERENCE PROCEEDINGS

- Slavit, David, Nelson, Tamara, Kennedy, Anne, Deuel, Angie, & Mason, Michele (2009). Supporting collaborative teacher inquiry. *Proceedings of the Research on Collaborative Teacher Inquiry Conference*, Skamania, WA.
- Nelson, Tamara, Slavit, David, Deuel, Angie, Kennedy, Anne, & Mason, Michele (2009). A three-dimensional theoretical framework for understanding teachers' use of classroom-based data in collaborative groups *Proceedings of the Research on Collaborative Teacher Inquiry Conference*, Skamania, WA.
- Slavit, David (2000). Technology as Resource. *Proceedings of the Eleventh Annual WSU/Nishinomiya Joint Research Conference*, 50-64. Nishinomiya, Japan: Nishinomiya School District.
- Slavit, David (1998). Current trends in mathematics instruction in the United States. *Proceedings of the Ninth Annual WSU/Nishinomiya Joint Research Conference*, 146-151. Nishinomiya, Japan: Nishinomiya School District.
- Slavit, David (1997). Learning as sense making and property noticing. In J.A. Dossey, J.O. Swafford, M. Parmantie, & A.E. Dossey (Eds.) *Proceedings of 19th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (Vol. 1)*, 649-656. Columbus, OH: ERIC Clearinghouse.
- Slavit, David (1995). A Growth-Oriented Route to the Reification of Function. In D.T. Owens, M.K. Reed, & G.M. Millsaps (Eds.) *Proceedings of 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (Vol. 1)*, 284-290. Columbus, OH: ERIC Clearinghouse.
- Slavit, David (1995). Operational Sense in First Grade Addition. In D.T. Owens, M.K. Reed, & G.M. Millsaps (Eds.) *Proceedings of 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (Vol. 2)*, 331-337. Columbus, OH: ERIC Clearinghouse.
- Slavit, David (1995). The reification of addition. In R. Christianson (Ed.), *Proceedings of the 76th annual meeting of the Pacific Division, American Association for the Advancement of Science*, 59. Vancouver: Berwell and Atkins.

- Slavit, David (1995). Function as a mathematical object. In R. Christianson (Ed.), *Proceedings of the 76th annual meeting of the Pacific Division, American Association for the Advancement of Science*, 59. Vancouver: Berwell and Atkins.
- Slavit, David (1990). A Call to Action: The Use of Graphing Calculators in the Mathematics Classroom. In B. Waits and F. Demana (Eds.), *Proceedings of the Third International Conference on Technology in Collegiate Mathematics* (pp. 135-141). Columbus, OH: The Ohio State University.

OTHER PUBLICATIONS

- Slavit, D., Kennedy, A., Nelson, T., & Deuel, A. (In Press). Reframing teacher leadership in the context of collective doing. *Curriculum in Context*.
- Ernst-Slavit, Gisela & Slavit, David (2010). Math as a third language. *ESL Magazine*, 76, 9-12.
- Slavit, David, Nelson, Tamara, Kennedy, Anne, & Laurence, Wendi (2007). The power of teachers working with teachers. *Curriculum in Context*, 34(1), 6-9.
- Margolis, Jason, Slavit, David, & Foster, Angie (2007). The lasting impact of teacher education: Tensions between reflection, research, and the 'grit' of reality. *Northwest Passage*, 5(1), 37-50.
- Slavit, David & Marsh, Robert (2005). Letting the mind wander: Visual thinking that leads to discovery. *Washington Mathematics* 11(4), 8-9.
- Slavit, David (2005). Math and the Law. *Math "Nus" - WSU Department of Mathematics Journal*, 5.
- Slavit, David (2004). Games for driving math home on a journey. *WSU Today*, June 18, 2004, 3.
- Slavit, David (1996). Reader reflections: History embedded in e. *Mathematics Teacher*, 89(8), 625.
- Slavit, David (1995). William Brownell: A response to Nel Noddings (Letter to the Editor). *Journal for Research in Mathematics Education*, 26(3), 291.

EXTERNAL GRANT SUPPORT

- Lewis, Mark, David Slavit, Tom Archer, & Kathleen Murphy. Mathematics and Science Teaching (MAST) Project. U.S Department of Education Title IIB, Mathematics Science Partnership Program. May, 2009 – August, 2012 (\$749,639, funded).
- Nelson, Tamara, David Slavit, & Anne Kennedy. Research Conference Supplemental: A study of professional learning communities amongst secondary science and mathematics teachers: Changes, support systems, and student learning (more commonly known as STRIDE). National Science Foundation Teacher Professional Continuum Award. October, 2008 – June, 2009 (\$21,936, funded).
- Kennedy, Anne & David Slavit. *GPS (Guidance Plus Support) System for Improving Mathematics Instruction*. Washington State Higher Education Coordinating Board. July, 2007 – August, 2008 (\$177,919, funded).
- Nelson, Tamara, David Slavit, & Anne Kennedy. *A study of professional learning communities amongst secondary science and mathematics teachers: Changes, support systems, and student learning* (more commonly known as STRIDE).

- National Science Foundation Teacher Professional Continuum Award, Grant No. ESI-0554579. March, 2006 – June, 2010 (\$1,918,277 funded).
- Slavit, David, & Tamara Nelson. *Partnership for Reform in Secondary Science and Mathematics (PRISSM)*. U.S Department of Education Title IIB, Mathematics Science Partnership Program. June, 2004 - September, 2007 (\$1,400,000 funded).
- Slavit, David & Tamara Nelson. *Improving Instruction Through Exemplars in Math and Science (IITEMS)*. Washington Office of the Superintendent of Public Instruction. February, 2003 – August, 2003. (\$90,739, funded).
- Slavit, David & Anne Kennedy. *The Gorge Math Project: Next Steps*. Washington State Higher Education Professional Development Partnership Grant Program. June, 2003 – June, 2004. (\$134,307, funded).
- Kennedy, Anne, Brian Tissot, & David Slavit. *Planning for Reform in Secondary Science and Mathematics (PRISSM)*. National Science Foundation. January, 2000 – July, 2002 (\$50,215, funded).
- Slavit, David, & Richard Sawyer. *Project TEMPLATE: Technology Education Matters: Plan for Learning And Teaching with Educational technology*. Preparing Tomorrow's Teachers to Use Technology Grants, U.S. Department of Education. August, 1999 – August, 2000 (\$175,000, funded).
- Sawyer, Richard & David Slavit. *Research and Instructional Technology Laboratory*. Omnibus Equipment Funds, State of Washington. August, 1999 - August, 2000 (\$24,000, funded).
- Cooper, Kevin, Tom LoFaro, Ray Huffaker, Ron Poshusta, and David Slavit. *IDEA: Internet Differential Equations Activities*, National Science Foundation. April, 1998 - March, 2000 (\$119,141, funded).
- Slavit, David, Steve Duncan, Verna Adams, & Merrill Oaks. *Topics in Science, Mathematics and Technology*. Mathematics/Science/Technology Development Minigrant. Washington State Mathematics Council, Washington Science Teachers Association, Washington Technology Education Association, and NASA. April 30, 1995 to December 31, 1995 (\$500, funded).

INTERNAL GRANT SUPPORT

- Slavit, David. Elementary Mathematics Teaching Materials. Alhadeff Teachers of Teachers Faculty Award, WSU College of Education. December, 2008 – June, 2009 (397.90, funded).
- Masters In Teaching Research Group (Susan Finley, Deidre LeFevre, Tamara Nelson, Tonci Pavkovich, Jan Spiesman, & David Slavit). Masters In Teaching Research Collaborative: Inquiry into Portfolios and Reflection in Teacher Education. WSUV Research Grant. May, 2005 – May, 2006 (\$2000 funded).
- Freehouf, Barb & David Slavit. Tools and Technologies for Secondary Mathematics Learning. Alhadeff Teachers of Teachers Faculty Award, WSU College of Education. January, 2005 – August, 2005 (\$971, funded).
- Margolis, Jason & David Slavit. The Lasting Impact of the Preservice Experience at WSUV. WSUV Research Grant. May, 2004 – August, 2005 (\$5000, funded).

- Margolis, Jason & David Slavit. The Lasting Impact of the Preservice Experience at WSUV. WSU College of Education Research Grant. May, 2004 – August, 2005 (\$4397, funded).
- Finley, Susan & David Slavit. MIT Diversity Outreach and Recognition Event. Fall, 2003. WSUV Diversity Task Force (\$500, funded).
- Slavit, David. Integrating the MIT program. CoTeach development grant. June, 2001 - July, 2001 (\$5000, funded).
- Slavit, David. Transitioning from Inservice to Preservice Teacher in the U.S. and Japan. Internationalization Mini-grant Program. May, 2000 - August, 2001 (\$1000, funded).
- Slavit, David. The TI-92 as mini-computer laboratory. Alhadeff Teachers of Teachers Faculty Award, WSU College of Education. August, 1999 - August, 2000 (\$500, funded).
- Slavit, David. Web-Based Instruction in Precalculus: Curriculum Development and Research, Center for Teaching and Learning Faculty Fellowship, Washington State University, Spring, 1998 (25% buyout and access to CTL facilities, funded).
- Slavit, David. Graphing Calculators in Precalculus Mathematics. Instructional minigrant, Washington State University. June, 1997 - August, 1997 (\$2000, funded).
- Slavit, David. Graphing Calculators in Precalculus Mathematics. Instructional minigrant, Washington State University. June, 1996 - August, 1996 (\$2000, funded).
- Slavit, David, & Gisela Ernst. Language and Cultural Factors in Mathematics. Diversity Curriculum Development Minigrant, Washington State University. June, 1996 - August, 1996 (\$2000, funded).
- Slavit, David. Operational Sense in First Grade Mathematics. Washington State University Minigrant. January, 1995 to December, 1995 (\$1209, funded).

CONSULTANCIES, LEAVES, AND INTERNATIONAL COLLABORATIONS

- University of Madrid Autonoma, Research and instructional collaboration, David Poveda primary contact. Duties included various research symposia and collaboration, instruction of educational psychology seminar and other consulting duties. Spring, 2006, professional leave.
- Northwest Regional Educational Laboratories, Executive Research Editor, “Improving Adolescent Mathematics”, Julie Peck, author. January, 2005 – October, 2005.
- Portland Public Schools, Research Consultant (declined due to conflict of interest), NSF TPC grant program. May 2005.
- Nishinomiya School District. Invited speaker. Motoke Yanase, primary contact. Two week-long visits to Nishinomiya School District with WSU contingent, research symposia, classroom observation, dialogue with school personnel. Fall, 1997 & 1999.
- Hyogo University, Research and instructional collaboration, Shinya Sakitani primary contact. Duties included various research symposia and collaboration, instructional support in mathematics education undergraduate and graduate courses, and support for use of computers in mathematics content courses. Spring, 2001, professional leave.

INTERNATIONAL AND NATIONAL CONFERENCE ORGANIZATION

Slavit, David, Tamara Holmlund Nelson, & Anne Kennedy (May, 2009). Creator and Organizer, *Research on Collaborative Teacher Inquiry Conference*. Skamania, WA. Funded by the National Science Foundation.

INTERNATIONAL AND NATIONAL PRESENTATIONS

- Kennedy, Anne, Deuel, Angie, Slavit, David, & Nelson, Tamara Holmlund (April, 2011). The role of distributed leadership in the development of a rural school professional learning community. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans.
- Nelson, Tamara Holmlund, Slavit, David, & Deuel, Angie (April, 2011). The use of student learning data in collaborative teacher inquiry. Paper presented at the Annual Meeting of the National Association of Research in Science Teaching.
- Nelson, Tamara Holmlund, & Slavit, David (April, 2010). Developing teacher leaders as facilitators of collaborative inquiry groups. Paper presented at the Annual Meeting of the American Educational Research Association, Denver.
- Slavit, David, Roth McDuffie, Amy, & Nelson, Tamara Holmlund (April, 2010). Self-directed teacher learning in collaborative contexts. Paper presented at the Annual Meeting of the American Educational Research Association, Denver.
- Nelson, Tamara Holmlund, Slavit, David, & Deuel, Angie (April, 2010). Two dimensions of an inquiry stance: A theoretical model for understanding and supporting teachers' collaborative work. Paper presented at the Universidad Autonoma de Madrid, Madrid, Spain.
- Slavit, David, Anne Kennedy, & Zach Lean (January, 2010). The evolution and paradigm shift of a rural collaborative teacher group. Paper presented at the 13th Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Kennedy, Anne, Kristin White, David Slavit (December, 2009). Supporting teacher research: Inquiry, Dialogue, and Engagement. Research session presented at the annual meeting of the National Staff Development Council, St. Louis.
- Slavit, David (May, 2009). What is supported collaborative teacher inquiry? Presentation at the Research on Collaborative Teacher Inquiry Conference, Skamania, WA.
- Slavit, David, Nelson, Tamara Holmlund, Anne Kennedy, Angie Deuel, & Michele Mason (May, 2009). Supporting collaborative teacher inquiry. Paper presented at the Research on Collaborative Teacher Inquiry Conference, Skamania, WA.
- Nelson, Tamara Holmlund, Slavit, David, Angie Deuel, Anne Kennedy, & Michele Mason (May, 2009). A three-dimensional theoretical framework for understanding teachers' use of classroom-based data in collaborative groups. Paper presented at the Research on Collaborative Teacher Inquiry Conference, Skamania, WA.
- Slavit, David, Tamara Holmlund Nelson (April, 2009). Moving away from a "proving" stance in teacher inquiry. Poster presented at the Annual Meeting of the American Educational Research Association, San Diego.
- Nelson, T. H., Kennedy, A., & Slavit, D. (October, 2008). Teachers' collaborative inquiry: Making sense of classroom-based data. Poster presentation at annual NSF DRK12 Principal Investigator's meeting. Washington, D.C.
- Slavit, David (April, 2008). An Examination of Support for Collaborative Teacher

- Inquiry. Symposium Organizer and Chair, Annual Meeting of the American Educational Research Association, New York.
- Slavit, David, Tamara Holmlund Nelson, Wendi Laurence, Angie Deuel, & Anne Kennedy (April, 2008). Inquiry into Inquiry into Inquiry: Finding out what counts as support in SCTI. Paper presented at the Annual Meeting of the American Educational Research Association, New York.
- Slavit, David (April, 2008). An Examination of Support for Collaborative Teacher Inquiry. Paper presented at the Annual Meeting of the American Educational Research Association, New York.
- Nelson, Tamara Holmlund, David Slavit, & Angie Duel Foster (April, 2008). Teachers' collaborative inquiry: Making sense of classroom-based data. Paper presented at the Annual Meeting of the National Association of Research in Science Teaching, Boston.
- Slavit, David (January, 2008). The depth of dialogue in secondary teachers' inquiry into using rich mathematics tasks to stimulate student participation. Paper presented at the 11th Annual Meeting of the Association of Mathematics Teacher Educators, Tulsa, OK.
- Nelson, Tamara Holmlund, David Slavit, Anne Kennedy, Wendi Laurence, & Angie Foster (October, 2007). Supporting teacher research: Inquiry, dialogue, and engagement. Poster presented at the National Science Foundation DRK-12 annual conference, Washington, D.C.
- Nelson, Tamara Holmlund, David Slavit, Wendi Laurence, & Angie Foster (April, 2007). Teacher Learning: The Dynamics of Situated Growth and Development Through Supported Collaborative Inquiry. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Slavit, David & Tamara Holmlund Nelson (April, 2007). Supported Collaborative Teacher Inquiry. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Slavit, David, Tom Archer, Kristin White, Charlotte Waters, Brook Irwin, & Wendi Laurence (March, 2007). PRiSSM PLC – Analyzing practice through collaboration. Paper presented at the annual meeting of the National Science Teachers Association, St. Louis.
- Slavit, David & Tamara Nelson (January, 2007). Inquiry and Collaboration in Support of Teacher Change: Stories of Secondary School Mathematics Teachers. Paper presented at the 10th Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Slavit, David, Tamara Nelson, & Betz Frederick (January, 2005). School-University Partnerships. Paper presented at the 8th Annual Meeting of the Association of Mathematics Teacher Educators, Dallas.
- Slavit, David (July, 2004) A Framework for Relating Culture, Language, and Mathematics. Poster presented (in absentia) at the 10th International Congress of Mathematics Education (ICME-10), Copenhagen, Denmark.
- Slavit, David, Carol Maloney, & Laura Ofstun (January, 2003). Promoting Classroom Interactions in the Context of Language and Culture. Paper presented at the 6th Annual Meeting of the Association of Mathematics Teacher Educators, Atlanta.

- Slavit, David, Shinya Sakitani, & Amy Roth McDuffie (March, 2002). Mathematics teacher preparation in the U.S. and Japan: Connections between beliefs and understandings. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.
- Slavit, David & Shinya Sakitani (January, 2002). Content Knowledge and Teaching Perspective among Japanese and US Preservice Teachers. Paper presented at the 5th Annual Meeting of the Association of Mathematics Teacher Educators, San Antonio.
- Slavit, David (May, 2001). Developing Ideas of Algebra. Research Seminar presented at Hyogo University, Yashiro, Japan.
- Slavit, David, Thomas LoFaro, & Kevin Cooper (February, 2000). Understanding in a Technology-rich Differential Equations Course. Paper presented at the International Conference on Mathematics/Science Education Technology, San Diego.
- Slavit, David (February, 2000). Exploring Classroom Discussion with SpeakEasy. Paper presented at the 11th Annual Conference of the International Society of Information Technology and Teacher Education, San Diego.
- Slavit, David, Thomas LoFaro, & Kevin Cooper (November, 1999). What's the Difference?: Student Learning in a Technology-rich Differential Equations Course. Paper presented at the Twelfth Annual International Conference on Technology in Collegiate Mathematics, San Jose.
- Price, Terry & David Slavit (April, 1999). Critical Issues in Teacher Knowledge and Teaching Mathematics. Paper presented at the annual meeting of the American Educational Research Association, Montreal.
- Slavit, David & Joshua Yeidel (November, 1998). Mentored and Unmentored use of Interactive Web-based Laboratories in Precalculus. Paper presented at the Eleventh Annual International Conference on Technology in Collegiate Mathematics, New Orleans.
- Slavit, David & Thea Dunn (April, 1998). Exploring mathematics: Possibilities for learning in an Alternative High School setting. Paper presented at the annual meeting of the American Educational Research Association, San Diego. (ERIC Doc. No. 421-505)
- Slavit, David (January, 1998). A Field-Based Experience for Secondary Mathematics Methods Students. Paper presented at the 2nd Annual Meeting of the Association of Mathematics Teacher Educators, Pomona, CA.
- Slavit, David (October, 1997). Learning as Sense-Making and Property-Noticing. Paper presented at the 19th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Normal, IL.
- Slavit, David (November, 1996). Functional Properties as a Theme in Precalculus. Paper presented at the Ninth Annual International Conference on Technology in Collegiate Mathematics, Reno.
- Slavit, David (April, 1996). How and Why Students Use Graphing Calculators. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Slavit, David (April, 1996). Enactive Algebraic Thinking and Problem Solving. Poster presented at the annual meeting of the American Educational Research Association, New York.

- Slavit, David (October, 1995). A Growth-Oriented Route to the Reification Of Function. Paper presented at the 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Slavit, David (October, 1995). Operational Sense in First Grade Addition. Paper presented at the 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Slavit, David (April, 1995). Graphing Calculator Instruction in a High School Algebra II Course. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, Boston.
- Slavit, David (April, 1994). The Effect of Graphing Calculators on Students' Conceptions of Function. Paper presented at the annual meeting of the American Educational Research Association, New Orleans (ERIC Doc. No. ED374811).
- Slavit, David (February, 1990). A Call to Action: The Use of Graphing Calculators in the Mathematics Classroom. Paper presented at the Third International Conference on Technology in Collegiate Mathematics, Columbus, OH, 1990.

REGIONAL, STATE, AND LOCAL PRESENTATIONS

- Slavit, David, Anne Kennedy, Zach Lean (October, 2010). Powerful PLC practices: Talking about what matters most. Paper presented at the 49th annual meeting of the Northwest Mathematics Conference, Spokane, WA.
- Nelson, Tamara Holmlund & David Slavit (January, 2010). How teachers use data. Poster presented at the meeting of the WSU Board of Regents, Vancouver, WA.
- Slavit, David (May, 2009). Mathematics education in the state of Washington. Invited participant at the Legislator, Business, and Community Leader Breakfast, Olympia, WA.
- Slavit, David (May, 2009). Algebra. Invited presentation at Mathematics and our children's future, Olympia, WA Community Math Night. Olympia, WA.
- Nelson, Tamara, & David Slavit (April, 2009). Three Dimensions of Teachers' Collaborative Inquiry: Using Data to Improve Science Teaching & Learning. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Slavit, David (April, 2009). Choosing a Math Curriculum. Presentation at the Vancouver School District Elementary Math Curriculum Parent Night. Vancouver, WA.
- Nelson, Tamara, & David Slavit (March, 2009). PRiSSM and STRIDE. Presentation to the WSU College of Education Advocacy Board, Pullman, WA.
- Nelson, Tamara, & David Slavit (March, 2009). Three Dimensions of Teachers' Collaborative Inquiry: Using Data to Improve Science Teaching & Learning. Poster presentation at the WSU Research Showcase, Pullman, WA.
- Slavit, David & Tamara Nelson (January, 2009). Collaborative teacher professional development. Presentation at the WSUV Alumni Networking Event, Vancouver, WA.
- Slavit, David (January, 2009). Mathematics Education at Washington State University Vancouver. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOTOM), Leavenworth, WA.
- Slavit, David & Tamara Nelson (April, 2008). The depth of dialogue in secondary teachers' inquiry into using rich mathematics tasks to stimulate student participation. Poster presentation at the WSUV Research Showcase, Vancouver, WA.

- Nelson, Tamara, David Slavit, Wendi Laurence, Linda LeBard, Sherelle Wanderscheid, Charlotte Waters, & Marcie Williams (April, 2008). Empowering teachers: Teachers advancing learning through inquiry. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Slavit, David (May, 2007). Japanese and Spanish international partnerships. WSU College of Education International Summit.
- Nelson, Tamara, David Slavit, & Angie Foster (April, 2007). Two cases of teacher collaborative inquiry. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Nelson, Tamara, David Slavit, & Angie Foster (April, 2007). Supported collaborative inquiry and teacher learning. Poster presentation at the WSU Research Showcase, Pullman, WA.
- Slavit, David, Erin Schoenlein, & Bill Kring (October, 2005). Reaching all teachers though professional learning communities. Paper presented at the 44th annual meeting of the Northwest Mathematics Conference, Portland.
- White, Kristin, David Slavit, & Sean Scott (August, 2005). Teacher Stories: Impact of Professional Learning Communities on Classroom Practice. Paper presented at the Washington Office of Superintendent of Public Instruction Institute, Vancouver, WA.
- Slavit, David (February, 2005). The PRiSSM Professional Development Project, Presentation at the National Science Foundation Center for Teaching and Learning organizational meeting, Seattle, WA.
- Slavit, David (October, 2004) Algorithmic Thinking. Paper presented at the 43rd annual meeting of the Northwest Mathematics Conference, Portland.
- Selby, Gay, David Slavit, & Jason Margolis (June, 2004). WSUV Partnerships. Presentation at the Clark County District Supervisors meeting, Vancouver, WA.
- Kennedy, Anne, Tamara Nelson, & David Slavit (May, 2004). The PRiSSM Professional Development Project. Presentation at the Mathematics Science Partnership Regional Meeting, Washington Office of Superintendent of Public Instruction, SeaTac, WA.
- Slavit, David (January, 2004). Mathematics Education at Washington State University Vancouver. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOTOM), Leavenworth, WA.
- Slavit, David, Gisela Ernst-Slavit, & Carol Maloney (October, 2002). Language and Cultural Factors in Mathematics. Paper presented at the 41st annual meeting of the Northwest Mathematics Conference, Portland.
- Slavit, David & Christine Ludwig (November, 2001). Integration of Technology in WSUV Education Programs. Presentation to administrative representatives of the Evergreen School District, Vancouver, WA.
- Slavit, David (January, 2001). Using Electronic Media in a Mathematics Methods Classroom. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOTOM), Leavenworth, WA.
- Slavit, David (October, 1999). Recognizing and Developing Early Algebraic Thinking. Paper presented at the 38th annual meeting of the Northwest Mathematics Conference, Portland.
- Slavit, David (November, 1995). Exploring Math, Science, and Technology. Paper presented at the Annual Meeting of the Washington Science Teachers Association, Pullman, WA.

- Slavit, David (October, 1995). An Integrated Curriculum: Vertical and Horizontal. Paper presented at the 34th Northwest Mathematics Conference, Seattle.
- Slavit, David (October, 1995). Graphing Calculator Use in Precalculus. Paper presented at the 34th Northwest Mathematics Conference, Seattle.
- Slavit, David (June, 1995). The Reification of Addition. Paper presented at the 76th annual meeting of the Pacific Division, American Association for the Advancement of Science, Vancouver, B.C.
- Slavit, David (June, 1995). Function as a Mathematical Object. Paper presented at the 76th annual meeting of the Pacific Division, American Association for the Advancement of Science, Vancouver, B.C.
- Slavit, David (February, 1993). Structural Understanding via Instruction Integrated with the Graphing Calculator: The Case of Function. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, Fla.
Winner: Meritorious Research Award.
- Slavit, David (February, 1993). An Analysis of Textbooks and Graph-Related Tasks. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, Fla.
- Slavit, David (March, 1990). What's So Hard About Graphing a Parabola? Paper presented at the sectional meeting of the Mathematical Association of America, Siloam Springs, AR, 1990.

COLLOQUIA/INVITED ADDRESSES—INTERNATIONAL AND NATIONAL

- “The Search for Truth in Mathematics”, Invited presentation to the Clark College Department of Mathematics, March 6, 2009
- “Linguistic and Cultural Factors in Teaching Mathematics” (declined), Invited presentation to the New York City Department of Education, April, 2008.
- “Inquiry and Collaboration in Support of Teacher Change: Stories of High School Math and Science Teachers”, Invited presentation to faculty at Universidad de Autonoma Madrid, Madrid, Spain, June, 2006.
- “Mathematics for Preservice Teachers”, Invited presentation to faculty at Universidad de Autonoma Madrid, Madrid, Spain, March, 2006.
- "Operation Sense in Elementary School Classrooms". Invited presentation to faculty and students at Hyogo University of Teacher Education, Yashiro, Japan, May, 2001.
- “Technology as Resource: Using Computers and Electronic Technology in the Classroom.” Invited presentation at the Mathematics and Science Research Conference at the 11th annual WSU-Nishinomiya Educational Seminar, Nishinomiya, Japan, November, 1999.
- “Algebra with Arithmetic.” Invited presentation at the second meeting of the Early Algebra Research Group, Medford, MA, February, 1998.
- “Trends in Mathematics Education in the United States.” Invited presentation at the Mathematics and Science Research Conference at the 9th annual WSU-Nishinomiya Educational Seminar, Nishinomiya, Japan, November, 1997.

COLLOQUIA/INVITED ADDRESSES—REGIONAL AND LOCAL

- “Core instructional mathematical practices.” Invited, interactive workshop for all Vancouver Public Schools principals. April 13, 2010.
- “Improving Practice Using Data in Professional Learning Communities.” Invited Teacher Professional Development Session at Frontier Middle School, Evergreen School District, Vancouver, WA, August 28, 2008. (w/ Tamara Nelson)
- “Household Math.” Invited presentation at the At Home At School Community Forum, June 14, 2008, Portland, OR.
- “Challenges (and Solutions) for Mathematics Teacher Educators.” Invited panelist on Math Proficiency: Helping Clark County Students Compute and Compete, May 15, 2008, Vancouver, WA.
- “Constructing an Inquiry Focus.” Invited Teacher Professional Development Session at Shahala Middle School, Evergreen School District, Vancouver, WA, April 28, 2008. (w/ Tamara Nelson)
- “Collaborative Teacher Research: Does it Improve Teaching & Learning?” Invited keynote lecture at the 2008 WSUV Research Showcase, April 10, 2008. (w/ Tamara Nelson)
- “Professional Learning Communities: Norms of Collaboration.” Invited Teacher Professional Development Session at Frontier Middle School, Evergreen School District, Vancouver, WA, December 5, 2007. (w/ Wendi Laurence)
- “Professional Learning Communities: Norms of Collaboration.” Invited Teacher Professional Development Session at Shahala Middle School, Evergreen School District, Vancouver, WA, September 28, 2007. (w/ Wendi Laurence)
- “PRiSSM – Lessons Learned”. Invited presentation to the USDOE Math Science Partnership consortium of Washington State, May 11, 2007.
- “Supported Collaborative Teacher Inquiry.” Invited presentation to the Washington Association of Colleges of Teacher Education mathematics education symposium, April 27, 2007.
- “Mathematics, Teaching, and Mathematics Teaching.” Colloquium presented to the WSU Department of Mathematics, April 26, 2007.
- “Writing and Quantitative Reasoning in the UG Curriculum”, with Kandy Robertson. Invited presentation to the WSU Vancouver campus, December 7, 2005.
- “PRiSSM: A School-university Partnership”. Invited Presentation to the WSU Professional Education Advisory Board, Vancouver, WA, December 10, 2004.
- “Reform Mathematics.” Invited Presentation to the Evergreen School District, Vancouver, WA, March 22, 2004.
- "Issues of Language and Culture in Mathematics Instruction." Invited presentation at the Science and Math Advancement Reachout for Teachers (SMART), Vancouver, WA, March, 2003.
- "Developing 'Basic' Ideas of Algebra." Invited presentation at the Science and Math Advancement Reachout for Teachers (SMART), Battle Ground, WA, March, 2001.
- "High School Geometry was Completely Wrong: The Plane Truth". Community-wide presentation at Cougar Saturday, WSUV, June, 1999.
- “Solving the Mysteries of Math”. The ABC’s of Effective School Involvement Fall Workshop, sponsored by the Clark County Education Volunteer Training Coalition, October, 1998.

- “Mentored and Unmentored uses of Web-based Activities in Precalculus.” WSU Colloquium sponsored by the Center for Teaching and Learning, April, 1998.
- “TIMSS in relation to U.S. and Japanese Classrooms.” Colloquium presented in the Department of Mathematics, WSU, March, 1998.
- “Systemic Influences in Mathematics Instruction in Japanese Classrooms.” Invited symposium at the WSU/Nishinomiya Partnership Debriefing Conference, February, 1998.
- “Teaching Elementary Mathematics.” Workshop presented to members of WSU Student Literacy Corps, September, 1997.
- “Washington State Essential Learnings in Mathematics.” Dialogue on Science for Tribal School Teachers, Pullman, WA, May, 1997.
- “Functions, Properties, and Graphing Calculators.” Workshop presented at the Partnerships in Education: A Professional Conference for Teachers, Lewiston, ID, October, 1996.
- “Integrated Curriculum -- Vertical and Horizontal.” Fourth Annual WSU Math Day, Pullman, WA, October 20, 1994.

GRADUATE STUDENTS SUPERVISED

Number of Doctoral students/dissertations supervised – 3

Ruth Brocklebank (Fall 04), Ph.D., Mathematics Education
Dissertation: Project-based Learning in a Reform High School

Thea Dunn (Spring 98), Ph.D., Mathematics Education
Dissertation: Mathematics Teaching and Learning in an Alternative High School Program: A Qualitative Study of Preservice Teachers and Learners

Terry Price (Spring 98), Ph.D., Mathematics Education
Dissertation: Second-Generation Construction: Facilitating Student Understanding in the Middle School Mathematics Classroom

Number of Masters students/theses supervised – 150