

DAVID SLAVIT

**Boeing Distinguished Professor of Mathematics Education/Mathematics
Washington State University Vancouver
14204 NE Salmon Creek Avenue, Vancouver, WA 98686-9600
dslavit@wsu.edu <http://directory.vancouver.wsu.edu/people/david-slavit>**

EDUCATION

- Ph.D. University of Delaware, Mathematics Education, May, 1994
Advisor: Jim Hiebert
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
Boeing Distinguished Professor of STEM Education
- 1991-1994 Instructor, University of Delaware
- 1989-1991 Assistant Professor, Mathematics, Lyon College (nee Arkansas College)

ADMINISTRATIVE ROLES

- 2013-present Founding Director, Math and Science Education PhD Program
2012-2014 Director, STEM Education Partnership, WSU
2001-05; 2015-present Director, Masters in Teaching Certification Program, WSUV
2014-present Director, Middle Level Math Endorsement, WSU
2009-2011 Chair, College of Education Faculty Advisory Committee
1995-1998 Director, Precalculus Instruction

REFEREED PUBLICATIONS

* = Shared first author status

- Slavit*, D. & McDuffie*, A. R. (2013). Self-directed teacher learning in collaborative contexts. *School Science and Mathematics, 113*(2), 94-105.
- Slavit, D., Nelson, T. H., & Deuel, A. (2013). Teacher groups' conceptions and uses of student-learning data. *Journal of Teacher Education, 64*(1), 8-21.
- Nelson*, T. H., Slavit*, D., & Deuel, A. (2012). Two dimensions of an inquiry stance toward student learning data. *Teachers College Record, 114*(8), 1-42.
<http://www.tcrecord.org/Content.asp?ContentId=16532>
- Slavit, D., Kennedy, A., Lean, Z., Nelson, T. H., & Deuel, A. (2011). Support for professional collaboration in middle school mathematics: A complex web. *Teacher Education Quarterly, 38*(3), 113-131.
- Kennedy, A., Deuel, A., Nelson, T. H., & Slavit, D. (2011). Requiring collaboration or distributing leadership? *Phi Delta Kappan, 92*(8), 20-24.
- Slavit, D., Nelson, T. H., & Kennedy, A. (2010). Laser focus on content strengthens teacher teams. *Journal of Staff Development, 31*(5), 18-22.

- Slavit, D. & Nelson, T. H. (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, T. H., Deuel, A., Slavit, D., & Kennedy, A. (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>
Republished by Brokers of Expertise, California Department of Education, July 2014.
<http://www.myboe.org/portal/default/Content/Viewer/Content?action=2&scId=509621&sciId=17313>
- Deuel, A., Nelson, T. H., Slavit, D., & Kennedy, A. (2009). Looking at student work. *Educational Leadership*, 67(3), 69-72.
- Bornemann, G., Haury, S., & Slavit, D. (2009). Collaborative teacher inquiry using “rich” mathematics tasks. *Mathematics Teacher*, 101(8), 546-551.
- Nelson, T. H., Slavit, D., Perkins, Martha, & Hathorn, T. (2008). A culture of collaborative inquiry: Learning to develop and support professional learning communities. *Teachers College Record*, 110(6), 1269-1303.
- Slavit, D.* & Nelson, T. H.* (2008). Supported teacher collaborative inquiry. *Teacher Education Quarterly*, 35(1), 99-116.
- Slavit, D. & Ernst-Slavit, G. (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, D.* & Ernst-Slavit, G.* (2007). Educational reform, mathematics, and English language learners: Meeting the needs of all students. *Multicultural Education*, 14(4), 20-27.
- Nelson, T. H. & Slavit, D. (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, D. & Nelson, T. H. (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, D. (2006). Uncovering algebra: Sense making and property noticing. *The Mathematics Educator*, 16(2), 4-13.
- Brink, B., Curley, J., & Slavit, D. (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, C., Slavit, D., & Coon, T. (2004). Writing Prompts and Modeling that Support Mathematical Development and Connections. *Mathematics Teaching in the Middle School*, 9(9), 490-493.
- Slavit, D., Sawyer, R., & Curley, J. (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, A., & Slavit, D. (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, D., LoFaro, T., & Cooper, K. (2002). Understandings of solutions of differential equations through contexts, simulations, and student discussion. *School Science and Mathematics*, 102(8), 380-390.
- Slavit, D. (2002). Expanding Classroom Discussion with an Online Medium. *Journal of Technology and Teacher Education*, 10(3), 407-422.
- Slavit, D. (2001). Revisiting a common factoring pattern. *Mathematics Teaching in the Middle School*, 6(6), 378-381.
- Slavit, D. & Yeidel, J. (1999). Using web-based materials in large-scale precalculus instruction. *International Journal of Computers for Mathematical Learning*, 4(1), 27-50.
- Slavit, D. (1999). The role of operation sense in transitions from arithmetic to algebraic thought. *Educational Studies in Mathematics*, 37(3), 251-274.
- Slavit, D. (1999). Problem solving and world wide help. *Ohio Journal of School Mathematics*, 39, 17-20. (reprinted in the following issue, 40, 15-18)
- Slavit, D. (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, D. (1998). Above and beyond AAA: Similarity and congruence of polygons. *Mathematics Teaching in the Middle School*, 3(4), 276-280.
- Slavit, D. (1997). An alternate route to the reification of function. *Educational Studies in Mathematics*, 33(3), 259-281.
- Slavit, D., & Adams, V. (1996). An integrated unit on weight, gravity, and quadratic functions. *Washington Science Teachers' Journal*, 36(22), 16-18.
- Slavit, D. (1996). Graphing calculators in a "hybrid" Algebra II classroom. *For the Learning of Mathematics*, 16(1), 9-14.
- Slavit, D. (1995). Small groups leading to big groups. *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)*, 5(4), 368-377.
- Slavit, D. (1992). What's So Hard About Graphing a Parabola? *Texas Mathematics Teacher*, 38(2), 8-10.

REFEREED PUBLICATIONS UNDER REVIEW

- Slavit, D., Nelson, T. H., & Lesseig, K. (under review). The teachers' role in developing, opening, and nurturing an inclusive STEM-focused school. *International Journal of STEM Education*.
- Slavit, D., & Lesseig, K. (under review). The development of teacher knowledge in support of student mathematical inquiry. *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)*.
- Lesseig, K., Nelson, T. H., Slavit, D., & Seidel, R. (under review). Supporting middle school teachers' implementation of STEM design challenges. *School Science and Mathematics*.
- Lesseig, K. & Slavit, D. (under review). Jumping on the STEM bandwagon: What's in it for mathematics learning? *Mathematics Teaching in the Middle School*.

BOOKS

Slavit, D., Nelson, T. H., & Kennedy, A. (Eds.) (2009). *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Taylor & Francis.

BOOK CHAPTERS

- Slavit, D. & Nelson, T.H. (in press). How changes in instruction force changes in assessment: The case of an inclusive STEM-focused school. *2015 Annual Perspectives in Mathematics Education*. Reston, VA: The Council.
- Slavit, D., deVincenzi, A., Lesseig, K., Nelson, T.H., & Ernst-Slavit, G. (2014). Developing an improving stance toward research in preservice teachers. In P. Blessinger & J. M. Carfora (Eds.) *Inquiry-Based Learning for the Arts, Humanities, and Social Sciences: A Conceptual and Practical Resource for Educators* (pp. 455-474). Bingley, U.K.: Emerald Publishing.
- Ernst-Slavit, G., Gottlieb, M., & Slavit, D. (2013). Who needs fractions? In M. Gottlieb and G. Ernst-Slavit (Eds.) *Academic language in diverse classrooms, Mathematics Grades 3-5: Promoting content and language learning* (pp. 81-121). Thousand Oaks, CA: Corwin.
- Slavit, D. & Nelson, T. H. (2009). Supported collaborative teacher inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.
- Nelson, T. H., Kennedy, A., Deuel, A., & Slavit, D. (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, D., Laurence, W., Kennedy, A., & Nelson, T. H. (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, A., Slavit, D., & Nelson, T. H. (2009). Supporting collaborative teacher inquiry. In D. Slavit, T.H. Nelson, & A. Kennedy (Eds.) *Perspectives on Supported Collaborative Teacher Inquiry*. New York: Routledge.
- Slavit, D. and Yeidel, J. (2000). Inserting the Web into Precalculus. In D. G. Brown (Ed.), *Interactive Learning: Vignettes from America's Most Wired Campuses* (84-87). Anker: Bolton, MA.

ENCYCLOPEDIA CHAPTERS

- Slavit, D. (in press). Proportionality. In J. K. Golson (Ed.) *Mathematics Research Starters*. Ipswich, MA: EBSCO Information Services.
- Slavit, D. (in press). Simplifying Algebraic Expressions. In J. K. Golson (Ed.) *Mathematics Research Starters*. Ipswich, MA: EBSCO Information Services.
- Slavit, D. & Ernst-Slavit, G. (2011). Windmills. In J. K. Golson (Ed.) *Encyclopedia of Mathematics and Society*. Ipswich, MA: EBSCO Information Services.
- Ernst-Slavit, G. & Slavit, D. (2011). South America. In J. K. Golson (Ed.) *Encyclopedia of Mathematics and Society*. Ipswich, MA: EBSCO Information Services.
- Slavit, D. & Ernst-Slavit, G. (2009). Jaime Escalante. In D. Leonard & C. Lugo (Eds.), *Latinos and Latinas in US History and Culture: An Encyclopedia* (pp. 171-173). M.E. Sharp Inc.

Slavit, D., & Kring, B. (2008). Calculator use. In N. Salkind (Ed.), *Encyclopedia of Educational Psychology (Vol. 1)*. Thousand Oaks, CA: Sage Publications.
http://www.sage-ereference.com/educationalpsychology/Article_n33.html

BOOK REVIEWS

Slavit, D. (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, D., Nelson, T. H., Deuel, A. & Mason, M. (2011). A framework for analyzing teachers' use of data during collaborative inquiry. *Proceedings of the Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Reno.

Slavit, D., Nelson, T. H., Kennedy, A., Deuel, A., & Mason, M. (2009). Supporting collaborative teacher inquiry. *Proceedings of the Research on Collaborative Teacher Inquiry Conference*, Skamania, WA.

Nelson, T. H., Slavit, D., Deuel, A., Kennedy, A., & Mason, M. (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, D. (2000). Technology as Resource. *Proceedings of the Eleventh Annual WSU/Nishinomiya Joint Research Conference*, 50-64. Nishinomiya, Japan: Nishinomiya School District.

Slavit, D. (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, D. (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, D. (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, D. (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, D. (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, D. (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, D. (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. (2013). The case for math. *NW Crimson & Gray*, 3(2), 11-12.
- Ernst-Slavit, G. & Slavit, D. (2013). Mathematically speaking. *Language Magazine*, 12(7), 32-36.
- Slavit, D., Kennedy, A., Nelson, T., & Deuel, A. (2011). Reframing teacher leadership in the context of collective doing. *Curriculum in Context*, 37(1), 19-22. Note: Authors listed in alphabetical order in journal.
- Ernst-Slavit, G. & Slavit, D. (2010). Math as a third language. *ESL Magazine*, 76, 9-12.
- Slavit, D., Nelson, T. H., Kennedy, A., & Laurence, W. (2007). The power of teachers working with teachers. *Curriculum in Context*, 34(1), 6-9.
- Margolis, J., Slavit, D., & Foster, A. (2007). The lasting impact of teacher education: Tensions between reflection, research, and the ‘grit’ of reality. *Northwest Passage*, 5(1), 37-50.
- Slavit, D. & Marsh, R. (2005). Letting the mind wander: Visual thinking that leads to discovery. *Washington Mathematics* 11(4), 8-9.
- Slavit, D. (2005). Math and the Law. *Math “Nus” - WSU Department of Mathematics Journal*, 5.
- Slavit, D. (2004). Games for driving math home on a journey. *WSU Today*, June 18, 2004, 3.
- Slavit, D. (1996). Reader reflections: History embedded in e. *Mathematics Teacher*, 89(8), 625.
- Slavit, D. (1995). William Brownell: A response to Nel Noddings (Letter to the Editor). *Journal for Research in Mathematics Education*, 26(3), 291.

EXTERNAL GRANT UNDER REVIEW

- Frost, J.H., Poppen, M., Slavit, D., Robinson, J., & Edmondson, R.S. (under review). *Rural Alliance Partnership for Inquiry and Development*. National Science Foundation DRK-12. June, 2016 – August, 2020 (\$2,296,095).
- Frost, J., Poppen, M., Slavit, D., Robinson, J., & Edmondson, R. S. (under review). *Rural Alliance Partnership for Inquiry and Development (RAPID)*. National Science Foundation, ITEST. June, 2016 – August, 2019 (\$1,190,941).

EXTERNAL GRANT SUPPORT

- Lewis, M., Slavit, D., Archer, T., & Murphy, K. *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, T. H., Slavit, D., & Kennedy, A. *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 #0554579. October, 2008 – June, 2009 (\$21,936, funded).
- Kennedy, A. & Slavit, D. *GPS (Guidance Plus Support) System for Improving Mathematics Instruction*. Washington State Higher Education Coordinating Board. July, 2007 – August, 2008 (\$177,919, funded).
- Nelson, T. H., Slavit, D., & Kennedy, A. *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, D., & Nelson, T. H. *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, D., & Nelson, T. H. *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, D. & Kennedy, A. *The Gorge Math Project: Next Steps*. Washington State Higher Education Professional Development Partnership Grant Program. June, 2003 – June, 2004. (\$134,307, funded).
- Kennedy, A., Tissot, B., & Slavit, D. *Planning for Reform in Secondary Science and Mathematics (PRISSM)*. National Science Foundation. January, 2000 – July, 2002 (\$50,215, funded).
- Slavit, D., & Sawyer, R. *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, R. & Slavit, D. *Research and Instructional Technology Laboratory*. Omnibus Equipment Funds, State of Washington. August, 1999 - August, 2000 (\$24,000, funded).
- Cooper, K., LoFaro, T., Huffaker, R, Poshusta, R., & Slavit, D. *IDEA: Internet Differential Equations Activities*, National Science Foundation. April, 1998 - March, 2000 (\$119,141, funded).
- Slavit, D., Duncan, S., Adams, V. & Oaks, M.. *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).

EXTERNAL GRANT INVOLVEMENT

Educational Service District 112, Vancouver, WA. Project Development and Implementation Team, Advisory Board Member for Increased STEM Achievement through multi-level Learning Inquiry Teams (STEM-LIT), \$797,177 Math Science Partnership Project funded by Washington Office of Superintendent of Public Instruction, December, 2012 – December, 2015.

INTERNAL GRANT SUPPORT

Nelson, T. H., Lesseig, K., & Slavit, D. Teacher and student learning through project-

- based STEM education. WSU College of Education. April, 2014 – August, 2015 (\$8998.80).
- Nelson, T. H. & Slavit, D. Curriculum Development and Implementation in a STEM-Focused School. WSUV Research Grant. June, 2012 – May, 2013 (\$4992 funded).
- Slavit, D. 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 (S. Finley, D. LeFevre, T. H. Nelson, T. Pavkovich, J. Spiesman, & D. Slavit). Masters In Teaching Research Collaborative: Inquiry into Portfolios and Reflection in Teacher Education. WSUV Research Grant. May, 2005 – May, 2006 (\$2000 funded).
- Freehouf, B. & Slavit, D. Tools and Technologies for Secondary Mathematics Learning. Alhadeff Teachers of Teachers Faculty Award, WSU College of Education. January, 2005 – August, 2005 (\$971, funded).
- Margolis, J. & Slavit, D. The Lasting Impact of the Preservice Experience at WSUV. WSUV Research Grant. May, 2004 – August, 2005 (\$5000, funded).
- Margolis, J. & Slavit, D. The Lasting Impact of the Preservice Experience at WSUV. WSU College of Education Research Grant. May, 2004 – August, 2005 (\$4397, funded).
- Finley, S. & Slavit, D. MIT Diversity Outreach and Recognition Event. Fall, 2003. WSUV Diversity Task Force (\$500, funded).
- Slavit, D. Integrating the MIT program. CoTeach development grant. June, 2001 - July, 2001 (\$5000, funded).
- Slavit, D. Transitioning from Inservice to Preservice Teacher in the U.S. and Japan. Internationalization Mini-grant Program. May, 2000 - August, 2001 (\$1000, funded).
- Slavit, D. The TI-92 as mini-computer laboratory. Alhadeff Teachers of Teachers Faculty Award, WSU College of Education. August, 1999 - August, 2000 (\$500, funded).
- Slavit, D. 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, D. Graphing Calculators in Precalculus Mathematics. Instructional minigrant, Washington State University. June, 1997 - August, 1997 (\$2000, funded).
- Slavit, D. Graphing Calculators in Precalculus Mathematics. Instructional minigrant, Washington State University. June, 1996 - August, 1996 (\$2000, funded).
- Slavit, D. & Ernst, G. Language and Cultural Factors in Mathematics. Diversity Curriculum Development Minigrant, Washington State University. June, 1996 - August, 1996 (\$2000, funded).
- Slavit, D. Operational Sense in First Grade Mathematics. Washington State University Minigrant. January, 1995 to December, 1995 (\$1209, funded).

EXTERNAL GRANT – NOT FUNDED

- Feldman, S., Delcambre, L., & Slavit, D. (2015). *Equipping middle school teachers to use STEM Robotics as a gateway to computer science*. National Science Foundation, STEM-Computing Partnerships (STEM+C). January, 2016 – December, 2018. (\$1,209,044; WSU portion \$160,700).

- Slavit, D., Lesseig, K., & Dimitrov, A. *Building quality and equity in STEM education*. Boeing Foundation, May, 2014 – May, 2016 (\$50,000, not funded).
- Slavit, D., Huggins, K., Lesseig, K., Nelson, T. H., & Ernst-Slavit, G. (2013). *Mapping Systemic Opportunities to Learn Mathematical and Scientific Practices*. National Science Foundation, Research on STEM Learning. January, 2014 – December, 2018 (\$1,499,902, not funded).
- Brown, M. & Slavit, D. (2103). *Collaborative Research: C3: Connecting Classrooms to Careers*. National Science Foundation, ITEST. March, 2013 – March, 2016 (WSU portion = \$126,872, not funded).
- Nelson, T.H., Frost, J. H., Morrison, J., McDuffie, A. R., and Slavit, D. (2012). Student understanding, confidence, career awareness, and efficacy in STEM schools (SUCCESS). National Science Foundation, Transforming STEM Learning. 2012-2015 (\$1.9 million, not funded).
- Lesseig, K., Slavit, D., & Dimitrov, A. (2012). Supporting secondary mathematics teaching certification. J. L. Stubblefield Trust and Bonnie and Clifford Braden Foundation, 2013-2015 (\$20,000, not funded).

CONSULTANCIES, LEAVES, AND INTERNATIONAL COLLABORATIONS

- University of Madrid Autonoma, Research and instructional collaboration, D. 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”, J. Peck, author. January, 2005 – October, 2005.
- Portland Public Schools, Research Consultant (declined due to conflict of interest), NSF TPC grant program. May 2005.
- Hyogo University, Research and instructional collaboration, S. 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.
- Nishinomiya School District. Invited speaker. M. 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.

INTERNATIONAL AND NATIONAL CONFERENCE ORGANIZATION

- Slavit, D., Nelson, T. H., & Kennedy, A. (May, 2009). Creator and Organizer, *Research on Collaborative Teacher Inquiry Conference*. Skamania, WA. Funded by the National Science Foundation.

REGIONAL AND STATE CONFERENCE ORGANIZATION

- Kennedy, A., Slavit, D., & Nelson, T. H., (May, 2010). Organizational and Planning Committee, *Supporting Teacher Collaboration: A Work Session for Leaders*. Eatonville, WA. Funded by the National Science Foundation.

INTERNATIONAL AND NATIONAL PRESENTATIONS

- Nelson, T. H., Lesseig, K., Slavit, D., Kennedy, C., & Seidel, R. (March, 2015). Supporting middle school teachers' implementation of STEM design challenges. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Chicago, IL.
- Morrison, J., Firestone, J., Nelson, T., Lesseig, K., Slavit, D. (January, 2015). *STEM Schools and Curricula: Research at the Elementary, Middle, and High School Levels*. Presentation at Association of Science Teacher Educators International Conference, Portland, OR.
- Nelson, T., & Slavit, D. (March, 2014). Implementing project-based learning in a new STEM-focused secondary school. Presentation at the annual meeting of the National Association for Research in Science Teaching, Pittsburgh, PA.
- Slavit, D., Iremonger, C., & Nelson, T.H. (February, 2014). Supporting school-wide efforts to enact project-based learning in mathematics. Paper presented at the 18th Annual Meeting of the Association of Mathematics Teacher Educators. Irvine, CA.
- Slavit, D. & Ernst-Slavit, G. (January, 2014). The development of an inclusive STEM-focused school. Paper presented at the 12th Annual Hawaii International Conference on Education. Honolulu, HI.
- Ernst-Slavit, G. & Slavit, D. (January, 2014). Do you speak Math? Academic language, CCSS, and ELLs. Paper presented at the 12th Annual Hawaii International Conference on Education. Honolulu, HI.
- Slavit, D., deVincenzi, A., Castro, E., Nelson, T.H., & Ernst-Slavit, G. (April, 2013). Developing an improving stance toward research in preservice teachers. Poster presentation at the annual meeting of the American Educational Research Association. San Francisco.
- Slavit, D., Nelson, T.H., & Deuel, A. (April, 2013). Teacher talk during collaborative inquiry: Results of a three-year analysis. Poster presentation at the annual meeting of the American Educational Research Association. San Francisco.
- Nelson, T.H., Slavit, D., & Deuel, A. (March, 2013). Teachers' collaborative inquiry into scientific models: Making sense of standards. Paper presented at the Annual Conference of the National Association of Research on Science Teaching. San Juan, Puerto Rico.
- Slavit, D., McDuffie, A.R., Lesseig, K., & Nelson, T. H. (February, 2013). Establishing STEM-focused schools with diverse student populations. Paper presented at the 17th Annual Meeting of the Association of Mathematics Teacher Educators. Orlando, FL.
- Slavit, D. (February, 2013). The implications of mathematical (T)truth on student identity. Paper presented at the 9th International Globalization, Diversity, and Education Conference. Vancouver, WA.
- Slavit, D., Nelson, T. H., & Deuel, A. (April, 2012). How teachers use and discuss student-learning data: A multi-case analysis. Roundtable presentation at the annual meeting of the American Educational Research Association. Vancouver, British Columbia.
- Nelson, T. H., Slavit, D., & Deuel, A. (April, 2012). The nature of teachers' collaborative use of student learning data. Symposium at the annual meeting of the American Educational Research Association. Vancouver, British Columbia.

- Nelson, T. H., Slavit, D., & Deuel, A. (April, 2012). Talking about student learning: Science and mathematics teachers' collaborative inquiry processes. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- Slavit, D. (January, 2012). How teachers use and discuss student learning data. Paper presented at the 10th Annual Hawaii International Conference on Education, Honolulu, HI.
- Slavit, D., T. H. Nelson, A. Deuel, & M. Mason (October, 2011). A framework for analyzing teachers' use of data during collaborative inquiry. Poster presented at the Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno.
- Kennedy, A., Deuel, A., Slavit, D., & Nelson, T. H. (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, T. H., Deuel, A., Slavit, D., & Mason, M. (April, 2011). Teachers' Engagement with Student Learning Data in a Collaborative Inquiry Cycle. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- Nelson, T. H., & Slavit, D. (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, D., Roth McDuffie, A., & Nelson, T. H. (April, 2010). Self-directed teacher learning in collaborative contexts. Paper presented at the Annual Meeting of the American Educational Research Association, Denver.
- Nelson, T. H., Slavit, D., & Deuel, A. (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, D., A. Kennedy, & Z. 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, A., K. White, D. 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, D. (May, 2009). What is supported collaborative teacher inquiry? Presentation at the Research on Collaborative Teacher Inquiry Conference, Skamania, WA.
- Slavit, D., Nelson, T. H., Kennedy, A., Deuel, A., & Mason, M. (May, 2009). Supporting collaborative teacher inquiry. Paper presented at the Research on Collaborative Teacher Inquiry Conference, Skamania, WA.
- Nelson, T. H., Slavit, D., Deuel, A., Kennedy, A., & Mason, M. (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, D., & Nelson, T. H. (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, D. (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, D., & Nelson, T. H., Laurence, W., Deuel, A., & Kennedy, A. (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, D. (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, T. H., Slavit, D., & Foster, A. D. (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, D. (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, T. H., Slavit, D., Kennedy, A., Laurence, W., & Foster, A. (October, 2007). Supporting teacher research: Inquiry, dialogue, and engagement. Poster presented at the National Science Foundation DRK-12 annual conference, Washington, D.C.
- Nelson, T. H., Slavit, D., Laurence, W., & Foster, A. (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, D., & Nelson, T. H. (April, 2007). Supported Collaborative Teacher Inquiry. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Slavit, D., Archer, T., White, K., Waters, C., Irwin, B., & Laurence, W. (March, 2007). PRiSSM PLC – Analyzing practice through collaboration. Paper presented at the annual meeting of the National Science Teachers Association, St. Louis.
- Slavit, D., & Nelson, T. H. (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, D., & Nelson, T. H., & Frederick, B. (January, 2005). School-University Partnerships. Paper presented at the 8th Annual Meeting of the Association of Mathematics Teacher Educators, Dallas.
- Slavit, D. (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, D., Maloney, C., & Ofstun, L. (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, D., Sakitani, S., & McDuffie, A. R. (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, D. & Sakitani, S. (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, D. (May, 2001). Developing Ideas of Algebra. Research Seminar presented at Hyogo University, Yashiro, Japan.
- Slavit, D., LoFaro, T., & Cooper, K. (February, 2000). Understanding in a Technology-rich Differential Equations Course. Paper presented at the International Conference on Mathematics/Science Education Technology, San Diego.
- Slavit, D. (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, D., LoFaro, T., & Cooper, K. (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, T. & Slavit, D. (April, 1999). Critical Issues in Teacher Knowledge and Teaching Mathematics. Paper presented at the annual meeting of the American Educational Research Association, Montreal.
- Slavit, D. & Yeidel, J. (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, D. & Dunn, T. (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, D. (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, D. (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, D. (November, 1996). Functional Properties as a Theme in Precalculus. Paper presented at the Ninth Annual International Conference on Technology in Collegiate Mathematics, Reno.
- Slavit, D. (April, 1996). How and Why Students Use Graphing Calculators. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Slavit, D. (April, 1996). Enactive Algebraic Thinking and Problem Solving. Poster presented at the annual meeting of the American Educational Research Association, New York.

- Slavit, D. (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, D. (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, D. (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, D. (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, D. (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

- Nelson, T. H., Lesseig, K., Slavit, D., & Seidel, R. (March, 2015). Middle school teachers' learning about STEM education through the implementation of design challenges. Poster presentation at the WSU Research Showcase, Pullman, WA.
- Slavit, D. & Hoagland, K. (February, 2015). Policy implications on mathematics teacher preparation. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOTOM), Leavenworth, WA.
- Slavit, D & Nelson, T. H. (January, 2015). STEM teacher preparation at WSU. Poster presentation at the Washington state forum on STEM teacher preparation, Seattle.
- Slavit, D. (October, 2014). Ways of thinking proportionally. Presentation at the 52nd annual meeting of the Northwest Mathematics Conference. Portland, OR.
- Nelson, T.H., & Slavit, D. (April, 2014). Implementing project-based learning in a STEM focused secondary school. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Slavit, D. (October, 2013). Proportional Reasoning: What is it, and how do we get kids to understand it? Presentation at the 51st annual meeting of the Northwest Mathematics Conference. Bellevue, WA.
- Slavit, D., & Nelson, T.H. (March, 2012). A framework for analyzing teacher groups' uses of student work. Poster presentation at the WSU Research Showcase, Pullman, WA.
- Nelson, T. H., Deuel, A., Slavit, D., & Mason, M. (April, 2011). Middle school science teachers' uses of student learning data in collaborative teacher inquiry. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Slavit, D., Kennedy, A., & Lean Z. (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, T. H., & Slavit, D. (January, 2010). How teachers use data. Poster presented at the meeting of the WSU Board of Regents, Vancouver, WA.
- Slavit, D. (May, 2009). Mathematics education in the state of Washington. Invited participant at the Legislator, Business, and Community Leader Breakfast, Olympia, WA.

- Slavit, D. (May, 2009). Algebra. Invited presentation at Mathematics and our children's future, Olympia, WA Community Math Night. Olympia, WA.
- Nelson, T. H., & Slavit, D. (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, D. (April, 2009). Choosing a Math Curriculum. Presentation at the Vancouver School District Elementary Math Curriculum Parent Night. Vancouver, WA.
- Nelson, T. H., & Slavit, D. (March, 2009). PRiSSM and STRIDE. Presentation to the WSU College of Education Advocacy Board, Pullman, WA.
- Nelson, T. H., & Slavit, D. (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, D. & Nelson, T. H. (January, 2009). Collaborative teacher professional development. Presentation at the WSUV Alumni Networking Event, Vancouver, WA.
- Slavit, D. (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, D. & Nelson, T. H. (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, T. H., Slavit, D., Laurence, W., LeBard, L., Wanderscheid, S., Waters, C., & Williams, M. (April, 2008). Empowering teachers: Teachers advancing learning through inquiry. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Slavit, D. (May, 2007). Japanese and Spanish international partnerships. WSU College of Education International Summit.
- Nelson, T. H., Slavit, D., & Foster, A. (April, 2007). Two cases of teacher collaborative inquiry. Poster presentation at the WSUV Research Showcase, Vancouver, WA.
- Nelson, T. H., Slavit, D., & Foster, A. (April, 2007). Supported collaborative inquiry and teacher learning. Poster presentation at the WSU Research Showcase, Pullman, WA.
- Slavit, D., Schoenlein, E., & Kring, B. (October, 2005). Reaching all teachers through professional learning communities. Paper presented at the 44th annual meeting of the Northwest Mathematics Conference, Portland.
- White, K., Slavit, D., & Scott, S. (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, D. (February, 2005). The PRiSSM Professional Development Project, Presentation at the National Science Foundation Center for Teaching and Learning organizational meeting, Seattle, WA.
- Slavit, D. (October, 2004) Algorithmic Thinking. Paper presented at the 43rd annual meeting of the Northwest Mathematics Conference, Portland.
- Selby, G., Slavit, D., & Margolis, J. (June, 2004). WSUV Partnerships. Presentation at the Clark County District Supervisors meeting, Vancouver, WA.
- Kennedy, A., Nelson, T. H., & Slavit, D. (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, D. (January, 2004). Mathematics Education at Washington State University Vancouver. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOT.), Leavenworth, WA.
- Slavit, D., Ernst-Slavit, G., & Maloney, C. (October, 2002). Language and Cultural Factors in Mathematics. Paper presented at the 41st annual meeting of the Northwest Mathematics Conference, Portland.
- Slavit, D. & Ludwig, C. (November, 2001). Integration of Technology in WSUV Education Programs. Presentation to administrative representatives of the Evergreen School District, Vancouver, WA.
- Slavit, D. (January, 2001). Using Electronic Media in a Mathematics Methods Classroom. Presentation at the annual meeting of the Washington Teachers of Teachers of Mathematics (WATOT.), Leavenworth, WA.
- Slavit, D. (October, 1999). Recognizing and Developing Early Algebraic Thinking. Paper presented at the 38th annual meeting of the Northwest Mathematics Conference, Portland.
- Slavit, D. (November, 1995). Exploring Math, Science, and Technology. Paper presented at the Annual Meeting of the Washington Science Teachers Association, Pullman, WA.
- Slavit, D. (October, 1995). An Integrated Curriculum: Vertical and Horizontal. Paper presented at the 34th Northwest Mathematics Conference, Seattle.
- Slavit, D. (October, 1995). Graphing Calculator Use in Precalculus. Paper presented at the 34th Northwest Mathematics Conference, Seattle.
- Slavit, D. (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, D. (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, D. (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, D. (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, D. (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

- “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

- “Middle Level Mathematics Endorsements in Washington.” Invited address at the annual conference of the Washington Teachers of Teachers of Mathematics, Leavenworth, WA. February 21, 2015.
- “Common Core State Standards in Mathematics.” Invited, district-wide professional development workshop for all 22 K-12 teachers and administrators, Willapa Valley School District. January 15, 2014.
- “Core instructional mathematical practices.” Invited, interactive workshop for all Vancouver Public Schools principals. April 13, 2010.
- “The Search for Truth in Mathematics”, Invited presentation to the Clark College Department of Mathematics, March 6, 2009
- “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/ T. H. 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/ T. H. Nelson)
- “Collaborative Teacher Research: Does it Improve Teaching & Learning?” Invited keynote lecture at the 2008 WSUV Research Showcase, April 10, 2008. (w/ T. H. 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/ W. 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/ W. 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.
- “Early Algebra.” Teacher professional development workshop at Jefferson Elementary School, Pullman, WA. May 24, 1995.
- “Integrated Curriculum -- Vertical and Horizontal.” Invited presentation to 50 teachers from across Washington state at the Fourth Annual WSU Math Day, Pullman, WA, October 20, 1994.
- “Promoting Classroom Communication.” Teacher professional development workshop at Jefferson Elementary School, Pullman, WA. May 10, 1995.
- “Constructivist Teaching.” Teacher professional development workshop at Sunnyside Elementary School, Pullman, WA. March 29, 1995.

INTERNATIONAL AND NATIONAL PROFESSIONAL SERVICE

- Conference Planning Committee, Association of Mathematics Teacher Educators, December, 2013 – present.
- External Examiner, Dissertation, Asian University, Fall, 2014.
- Conference Planning Committee, Mathematics Education and Society 2015 Conference, Portland, OR, September 2013 – January 2015.
- Committee Member, Spencer Foundation, “Evidence for the Classroom” Request Review Team, September 2013 – November 2013.
- Invited Facilitator, Professional development addressing the mathematical practices of the common core: Focus on the high-school bands (w/ Gail Burrill). Association of Mathematics Teacher Educators Conference, January 24, 2013.
- External Review, Tenure Case, North American University, December, 2012
- External Review, Tenure Case, North American University, March, 2012
- STEM Education Proponent in Washington D.C., meetings with Sen. Patty Murray, Sen. Maria Cantwell, and Rep Jaime Herrera Butler, July, 2011
- External Review, Tenure Case, North American University, January, 2011
- Chair, Constructivist Theory, Research, and Practice Special Interest Group, American Educational Research Association, April 2007 – April, 2008.
- Program Chair, Constructivist Theory, Research, and Practice Special Interest Group, American Educational Research Association, April 2007 – April, 2008.
- Official Media Contact for the state of Washington, National Council of Teachers of Mathematics, March 2007 – May, 2013.
- Awards Committee, Association of Mathematics Teacher Educators, February 2007 – February, 2009.
- Program Committee, 2003 Association of Mathematics Teacher Educators National Conference, Atlanta, January, 2002 - January, 2003.
- University Liaison and Site Coordinator, Eisenhower National Clearinghouse Access Site, supported by the Northwest Regional Educational Laboratory, August, 2001 – November, 2004.
- Program Committee, 2001 Association of Mathematics Teacher Educators National Conference, Orange County, CA, February, 1999 – August, 2000.
- Program Committee, 1999 NCTM Regional Conference, Boise ID, April, 1998 - October, 1999.
- Membership Committee, Association of Mathematics Teacher Educators, October, 1999 - April, 2002.
- Reviewer: “Doctorate in Educational Mathematics” at the University of Northern Colorado, March, 1998.

REGIONAL PROFESSIONAL SERVICE

- SW Washington STEM Education Task Force, Greg Kulander Chair, September, 2011 – May, 2012
- Proposal Review Committee, Washington STEM Foundation, Seattle, WA, May 19, 2011

- Invited Participant, STEM Education Roundtable with Senator Marie Cantwell, January 14, 2011.
- Invited Participant, Washington STEM Initiative Design Team, August, 2009 – January, 2010.
- Host, Washington STEM Initiative Design Meeting, Vancouver, WA, September 3, 2009
- Consultant, Vancouver School District Math Curriculum Adoption Committee, March, 2009 – May, 2009
- Invited Participant, Regional Math Forum, Vancouver, WA, February 5, 2009
- Invited Participant, Test Map Review for Mathematics Assessment (2010 WASL), SeaTac, WA, November 20, 2008.
- Member, Leadership Improvement Team, Chinook Elementary School, Vancouver, WA, September, 2008 – May, 2010.
- Invited Participant, Developing Pathways in Education, Sen. Patty Murray and the Southwest WA Workforce Development Council, Vancouver, WA, August 5, 2008.
- Facilitator, Educational Service District 112 Mathematics Regional Meeting, Klickitat, WA, January 14, 2008.
- Invited Participant, WSECC Mathematics Education Meeting, SeaTac, January 9, 2008.
- Advisory Board, Recruiting Washington Teachers, Office of the Superintendent of Public Instruction, September, 2007 – September, 2009.
- Invited Speaker, Panel Member, and Participant, Teachers for a New Era: WACTE Math Conference, Spokane, April 27, 2007.
- Invited Participant, Creating an Extraordinary Mathematics Education in the State of Washington, WA Office of the Superintendent of Public Instruction, SeaTac, WA.
- Invited Participant, WA OSPI Math Education Symposium and planning meeting, Olympia, WA, March 6, 2007.
- Invited Participant, Washington State Mathematics Comprehensive Program Committee, November, 2004.
- Invited to testify to the WA Professional Educator Standards Board, mathematics preservice and inservice certification, July 15, 2004.
- Invited Participant, Evergreen School District Math Adoption Committee, February – July, 2004.
- Nominated, Washington State Standards Setting Board, Middle School Mathematics, SeaTac, March 2-4, 2004.
- Invited Participant, NSF Math Science Partnership Grant Organizational Meeting, Puget Sound ESD, Burien, WA, April 10, 2002.
- Invited Participant, Community Dialogue on High School Education, Evergreen School District, August 29, 2001.
- Site Coordinator, WSUV, Eisenhower National Clearing House Access Center, sponsored by the Northwest Educational Regional Laboratory, August, 2001 – January, 2005.
- Middle School Math Improvement Team, Office of the Superintendent of Public Instruction, May, 2001 – May, 2003.
- Invited Participant, Washington Teachers of Teachers of Mathematics (WATOTOM) Conference, Leavenworth, WA, February, 2001.
- Invited Participant, Evolving Context of Education in the Northwest, Northwest Regional Educational Laboratory, Portland, February, 2000.

Invited Participant, The State of Mathematics Education in Washington State,
Washington OSPI, SeaTac WA, October 23, 1999.
SMERC/SWEP Review Committee, June, 1999 – May, 2000.
Mathematics and Science Education Center Advisory Committee of the Northwest
Regional Educational Laboratory (NWREL), Portland, May, 1998 - May, 2000.
Participant, NSF STEP Project Collaboration Conference, September 6-8, 1997,
Bozeman, MT.
State Board for Community and Technical Colleges Committee on Quantitative
Reasoning, April 10-11, 1997, Seabeck, WA.
State HECB and Essential Learnings Committee on Admissions Standards for Colleges
and Universities, December, 1995 to present.
Invited Participant, Calculus Reform Workshop, Carroll College, Missoula, MT, June 5-
9, 1995.
Invited Participant, Meeting the Challenge III: Innovation and Collaboration in Preparing
Teachers of Mathematics, Science, and Technology, Seattle, May, 1995.
Select Member of the Teacher Preparation/Certification Roundtable, NWREL, Portland.
Review and revision of first draft of Roundtable report on teacher preparation and
certification in the northwest region. November, 1994 & March, 1995.
Invited Participant, WSMC, WSTA, and WTEA Writers Workshop, Neah Bay, WA.
August 8-12, 1994.

PARTNERSHIPS WITH TEACHERS, SCHOOLS, AND DISTRICTS

Advisory Board, iTech Preparatory, Vancouver Public Schools, September, 2012 -
present
Partnership Support, assist in finding university, business, and community professionals
interested in working with iTech Preparatory, Vancouver Public Schools, September,
2012 - present
STEM Access, University-community partnership started by Sharon Kruse to promote
collaboration and improved STEM education in the region. Fall 2013 – May, 2014.
Consultant on STEM education and integrated learning, Sheryl Wilson, Sweetwater
County School District, Green River, WY. Spring, 2014.
Advisor to Mathematics Education District Team, Vancouver Public Schools, Fall 2013.
Coordinator and Host of WSUV Campus Tour, Christine Ngyuen, iTech Preparatory,
Vancouver Public Schools, February 4, 2013
Mathematics Tutor and Coordinator, iTech Preparatory, Vancouver Public Schools,
January 18, 2013
Curriculum and Instruction Development Committee, iTech (Vancouver School District
STEM School), May, 2012 – August, 2012
STEM Day at WSUV, hosted Carolyn Landel of Washington STEM for meetings with 1)
WSUV faculty, 2) local STEM business leaders, and 3) classroom teachers. Dr.
Landel also delivered the keynote address at the WSUV Research Showcase, April
19, 2012
Professional Development Committee, Vancouver School District STEM School,
November, 2010 – April, 2011
Case Study Development, Zach Lean and Anne Kennedy, October, 2009 – January, 2010
Case Study Development, Kristin White and Anne Kennedy, September, 2009 –
December, 2009

Math and Science Teaching Project, Various teacher, school, and district partnerships in the context of a comprehensive, 3-district teacher professional development project, April, 2009 – August, 2012..

District Coaches Meetings, Evergreen School District, October, 2008 – May, 2009.

GPS (Guidance Plus Support) System for Improving Mathematics Instruction. Collaboration with school administrators on mathematics education reform. June, 2007 – June, 2008.

Instructional support (reading) for the Child Development Program, Washington State University Vancouver, May 9, 2007.

Partnership for Reform in Secondary Science and Mathematics (PRiSSM). Various teacher, school, and district partnerships in the context of a comprehensive, 6-district, 300-teacher professional development project. February, 2004 – July, 2007.

Curriculum Adoption Committee, Evergreen School District. Adoption of K-5 mathematics textbooks. Monthly meetings. January, 2004 - May, 2004.

Math Coaches, Evergreen School District, regular and ongoing presentations and information sharing sessions, January, 2004 – May, 2005.

Gorge Mathematics Project, Teacher Inquiry Facilitator, supporting high school mathematics teachers in 6 high-poverty, rural school districts in collaborative inquiry, September, 2003 – June, 2004.

Connected Mathematics Professional Development Workshop, Site Coordinator for the La Center School District, August, 2003 – August, 2004.

Improving Instruction Through Exemplars in Math and Science (IITEMS). State-wide leader of leaders conference. February, 2003 – August, 2003.

Instructional Technology Curriculum Review Steering Committee, Evergreen School District/WSUV Partnership, November, 2001 – November, 2003

Mathematics Education specialist, ESL/Mathematics Summer Institute, August 5-9, 2001.

Invited lecturer and consultant, Hyogo University of Teacher Education, Yashiro, Japan, May, 2001.

WSU Liaison to Mathematics Problem-Solving Institute of the Northwest Regional Educational Laboratory, Redmond, OR, July, 1999.

School Reform Advisory Group Member, Hudson's Bay High School, June, 1999 - July, 1999.

WSUV/Skyview High School Partnership Committee, May, 1999 - May, 2000.

Half-day instruction at Covington Middle School, Vancouver WA, May 13, 1999.

Skyview High School Site-based Management Committee, January, 1999 - May, 1999.

Intensive teacher professional development with Marcie Radcliffe, fourth grade teacher at Deary Elementary School, on the teaching of multiplication, June, 1997.

Curriculum Development Committee, Pullman School District. Semi-monthly meetings (approximately 4 hours per month) with local teachers, administrators, and parents for the purpose of redesigning and integrating the district's mathematics and science curricula. September, 1994 to May, 1995.

UNIVERSITY COMMITTEE ROLES AND RESPONSIBILITIES

WSUV Research Showcase Planning Committee, November, 2011 – May, 2013;
November, 2015 - present

WSUV Minigrant Proposal Review Committee, March, 2015 – April, 2015
WSU 120-Day Study, Research Themes Subgroup, October 2014 – January 2015
WSUV STEM Education Showcase Keynote Presentation, Planning & Logistics Chair,
November, 2011 – April, 2012
STEM Education Strand Coordinator, WSUV Research Showcase, November, 2011 –
April, 2012
Chair, STEM Education Partnership Executive Committee, September, 2011 - May, 2013
Director, STEM Education Partnership, January, 2011 - May, 2013
Chair, STEM Education Partnership Planning Committee, October, 2010 – June, 2011
WSU co-lead liaison, Vancouver School District STEM High School Planning initiative,
March, 2010 – January, 2011.
WSU Faculty Status Committee (alternate), September, 2008 – May, 2009.
WSUV Undergraduate Education Committee, Professional Development Subgroup,
August, 2005 – May, 2006
WSUV Undergraduate Education Committee, Quantitative Reasoning Subgroup, May,
2005 – January, 2006
WSUV Honor's Committee, August, 2004 – September, 2008
WSUV Strategic Planning Committee, June, 2001 - October, 2001.
WSU Graduate Studies Committee, August, 2000 - December, 2000.
WSUV Faculty Senate Nomination Committee (Chair), April, 2000 - May, 2000.
WSU Faculty Senate, January, 2000 - May, 2000.
WSUV Faculty Governance Committee (ex officio), January, 2000 - May, 2000.
WSUV Education/Business Building Committee, November, 1999 - May, 2000.
Faculty Association for Scholarship and Research, October, 1996 - May, 2000.
NCATE Committee for Mathematics Education Program, August, 1995 - May, 1996.
Cleveland Hall Planning Committee, August, 1994.

COLLEGE COMMITTEE ROLES AND RESPONSIBILITIES

College of Education Grant Proposal Review Committee, November, 2010 - present
College of Education Research Advisory Committee, November, 2010 – present
College of Education STEM Education Task Force, October, 2015 - present
College of Education Faculty Advisory Committee (Chair, 2010-11), August, 2009 –
May, 2011
Dean Visioning Committee, August, 2009
Research and Extramural Funding Task Force, March, 2009 – May, 2009
Course Syllabus Revision, T&L 560, December, 2008 – May, 2010
Faculty Excellence Awards Committee, January, 2007 – March, 2007
College of Education Faculty Advisory Committee (Educ), August, 2003 – May, 2007
Dean's Faculty Advisory Committee (Educ), August, 2003 – May, 2006
Alhadeff Grant Committee (Educ), December, 2000.
Graduate Studies Committee (Educ), January, 1999 – August, 2003.
Nishinomiya Partnership Committee (Educ). October, 1997 - January, 2000.
Science Learning and Instructional Center (SLIC) Committee (Sci), August, 1994 - May,
1998.

DEPARTMENT/UNIT COMMITTEE ROLES AND RESPONSIBILITIES

MIT Program Committee (*Chair*, August, 2001 – August, 2005; August, 2015 – present; Member, August, 2000 – present).

Travel Funds Committee, September, 2014 - present

Math and Science Education PhD Program (Chair) March, 2013 - present

Middle Level Math Endorsement Committee; T&L Chair (September, 2014 - present) and WSUV Lead (August, 2008 – Present)

Faculty Mentoring Committee, Cavagnetto, September, 2014 - present

Faculty Mentoring Committee, Dimitrov (Math), September, 2010 - present

Faculty Mentoring Committee (Chair), Lesseig, October, 2011 - present

Middle Level Math Endorsement Recruitment Committee (Chair), March, 2009 - present

Math/Science Education Committee (Chair), September, 2009 - present

Middle Level and Secondary Math Endorsement Recruitment Event, Host and Organizer, May 7, 2013.

Peer observations, with Kristin Huggins, to share techniques teaching via AMS, building classroom community, and facilitating cross-site discourse, October, 2012 – May, 2013

Education Unit Strategic Planning Committee, Research Strand, October, 2011 – May, 2012

Math and Science Education PhD Development Committee (Chair), May, 2011 - March, 2013 (program approved)

Presentation at Professional Leave Workshop, COE, September, 2011

MIT New Student Orientation Committee, April – May, 2011

Middle Level and Secondary Math Endorsement Recruitment Event, Host and Organizer, March 1, 2011

Secondary Math Certification Committee, WSUV, September, 2010 – May, 2013

Faculty Mentoring Committee, Sameshima, August, 2010 – June, 2012

Search Committee, Mathematics Education (Chair), WSUV, August, 2010 – April, 2011

WSUV Education Research Committee, December, 2009 – May, 2010

Search Committee, Mathematics, WSUV, October, 2009 – April, 2010

EdM Program Committee, September, 2009 – May, 2013

Mathematics Education Committee (Chair), February, 2009 – October, 2010

T&L Positive Impact Assessment Team, January, 2009

Search Committee, Mathematics, WSUV, October, 2008 – May, 2009

MIT 702 Reform Committee, September, 2008 – May, 2009

Faculty Mentoring Committee, Frost, September, 2007- May, 2014

Science Unit Instructional Committee (Facilitator), June, 2007 – February, 2008

Search Committee (T&L, Spokane), Mathematics Education, September, 2006 – April, 2007

Search Committee (T&L), Mathematics Education, September, 2005 – April, 2006

Search Committee (T&L), Mathematics Education, October, 2004 – May, 2005

Ad Hoc Committee on Director Transition (Educ), March, 2004 – February, 2005.

Community Outreach Committee (Educ), February, 2004 – August, 2005

Search Committee (*Chair*) (Educ), Director of Education, October, 2003 – April, 2004.

Search Committee (Educ), Coordinator of Mathematics Education Partnerships, October, 2003 – April, 2004.

MIT Dialogue Group (*Chair*) (Educ), September, 2003 – October, 2004.
Search Committee (*Chair*) (Educ), Teacher Education and Field Partnerships, October, 2002 - May, 2003.
Faculty Mentoring Committee, Holmlund Nelson (Chair), September, 2002- May, 2008
Sherry Vaughan Distinguished Lecture (Educ), August, 2002 – May, 2009
EdD Doctoral Program Committee (Educ), August, 2001 – May, 2009.
Search Committee (*Chair*) (Educ), Science Education, November, 2001 - May, 2002.
Honors and Awards Committee (Educ), August, 2001 – May 2008.
Search Committee, Boeing Distinguished Professor of Mathematics Education (T&L), September, 2000 - May, 2001.
Search Committee (*Chair*) (EdAd), Educational Leadership, September, 2000 - December, 2000.
Faculty Mentoring Committee, Roth McDuffie (Chair), September, 2000- May, 2006
Technology Committee (*Chair* August, 1999 - August, 2001) (Educ), August, 1999 – May, 2011.
Secondary Program Committee (Educ), August, 1999 - May, 2000.
Web Site Committee (Educ), August, 1999 - May, 2002.
MIT Portfolio Review Committee (Educ), July, 1999.
MIT Selection Committee (*Chair* 2001, 2002, 2003, 2004) (Educ), 1999, 2001, 2002, 2003, 2004.
Secondary Program Selection Committee (Educ), November, 1998 - May, 2000.
Secondary Certification Advisory Board (Educ), November, 1998 - May, 1999.
Research Committee (Educ), August, 1998 – August, 2003.
MIT Program Restructuring Committee (Educ), August, 1998 - May, 1999.
Student Brown Bag Forum Committee (Educ), August, 1998 - May, 1999.
Search Committee (Educ), Secondary Education position, Vancouver campus, September, 1997 - April, 1998.
Committee on Department Goals and Mission Statement (T&L), September, 1997.
Math 107 TA professional development seminar (Math), Fall 1997.
Secondary Mathematics Teaching Practicum (Math/T&L), January, 1997 - March, 1997.
Committee to Review Graduate Program (T&L), September, 1996 - May, 1997.
Search Committee, Teaching Postdoctorate (Math), June, 1996 - August, 1996.
Departmental response to the state HECB regarding admissions standards for colleges and universities (Math), March, 1996 and October, 1996.
Precalculus Restructuring Committee (Math), October, 1995 - May, 1996.
Moderator for Math Day team competition (Math), October, 1995, 1996, and 1998.
Mathematics Placement Test Committee (Math), August, 1995 - May, 1998.
Mathematics Education Committee (*Chair*, 96-98) (Math), August, 1995 - May, 1998.

REFEREEING OF PROFESSIONAL JOURNALS AND CONFERENCES

Editorial Panel, *Teacher Education Quarterly*, April, 2007 – March, 2010
Editorial Board, *Working Papers on Culture, Education, and Human Development*, Universidad Autonoma de Madrid, June, 2006 - present
Editorial Board, *Universe Magazine*, February, 2001 - August, 2001.

- Editorial Board, *Gallery of Courses Taught with Technology*, Wake Forest University, August, 2000 – December, 2000
- Referee, *American Educational Research Journal*, 2013 - present
- Referee, *Journal of Teacher Education*, 2012 - present
- Referee, *Teachers College Record*, 2008-present
- Referee, *Teacher Education Quarterly*, 2007 -present
- Referee, *Urban Education*, 2002 - 2010.
- Referee, *Educational Studies in Mathematics*, 1998 - present.
- Referee, *Journal for Research in Mathematics Education*, 1996 - present.
- Referee, Conference of the American Educational Research Association (various divisions and SIGs), 1994 - present.
- Referee, *Conference of the Association of Mathematics Teacher Educators*, 1999 - present.
- Referee, *Northwest Passage*, 2007 – 2012
- Referee, *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)*, 1996 – 2005.
- Referee, *Conference of the North American Chapter of the Psychology of Mathematics Education*, 1995 - 1999.

PROFESSIONAL DOCUMENT AND BOOK REVIEWS

- Reviewer, “PreK-12 English Language Proficiency Standards”, Teachers of English to Students of Other Languages, October, 2005.
- Textbook review: “Teaching and Learning Elementary and Middle School Mathematics (5th Ed.)”, Linda Jensen Sheffield and Douglas E. Cruikshank, Wiley/Jossey-Bass Education, October, 2002.
- Textbook review: “Linear Algebra with Applications”, Prentice-Hall Publishing Co., September, 2000.
- Textbook review: “Precalculus: A study of functions and their applications”, Swanson, Andersen, & Keeley, Harcourt Brace Publishing, November, 1999.
- Reviewer: "Standards 2000," National Council of Teachers of Mathematics, January, 1999.
- Textbook review: “Precalculus: A study of functions and their applications”, Swanson, Andersen, & Keeley, Harcourt Brace Publishing, December, 1997.
- Textbook review: “Precalculus: Concepts using a computer algebra system”, Brooks-Cole Publishing, April, 1997.
- Reviewer: “National Science Education Standards,” National Committee on Science Education Standards and Assessment, National Research Council, November, 1994.
- Reviewer: “A Framework for Constructing a Vision of Algebra,” National Council of Teachers of Mathematics, September, 1994.
- Reviewer: “Assessment Standards for School Mathematics,” National Council of Teachers of Mathematics, February, 1994.

HONORS AND AWARDS

- Faculty Excellence Award in Research* (nominated), WSU Vancouver, April, 2015
- Research Sabbatical*, Washington State University, 2013-14 Academic Year.
- Boeing Distinguished Professor of STEM Education*, August, 2011 – August, 2016.

Faculty Excellence Award in Research, WSU College of Education, May, 2010
Invited Participant (declined), *Oxford Round Table*, University of Oxford, December 2009

External Funding Award, WSU Teaching & Learning Department, May 2009.

Mentoring Award, WSU Teaching & Learning Department (nominated), May, 2008
Research Sabbatical, Washington State University, 2006-07 Academic Year.

Invited textbook author, George Lucas – Wiley Publications, “IT for Preservice Teachers”, April, 2005

Research Sabbatical, Washington State University, Spring, 2001.

Center for Teaching and Learning Faculty Fellowship, Washington State University, Spring, 1998 (25% buyout and access to CTL facilities).

All Nations AMP Teacher Preparation Scholarship Mentoring Grant, sponsored by the National Science Foundation. August, 1997 - May, 1998 (\$500, mentor Justin Jacob, USA Today First Team Academic All-American, through graduation).

Selected Participant, WSMC, WSTA, and WTEA Writers Workshop, August 8-12, 1994.

Meritorious Research Award, Eastern Educational Research Association, Clearwater, FL, February, 1993. "Structural Understanding via Instruction Integrated with the Graphing Calculator: The Case of Function."