Scaling Up SimCalc Publications & Presentations (July 2010)

Beaton, D., & Hegedus, S. (2006). Constructing an architecture for an interactive educational research database: Issues of design and implementation. In N.-S. Chen & P. Isaías (Eds.), *Proceedings of the Multi 2006: IADIS Virtual Multi Conference on Computer Science and Information Systems* (pp. 121–128). Lisbon, Portugal: IADIS Press.

Chao, T. P., Empson, S. B., & Shechtman, N. (2007, July). *Using principal components analysis to model student understanding of multiple representations of rate and proportionality with SimCalc MathWorlds*. Paper presented at the Thirteenth International Conference on the Teaching of Mathematical Modeling and Applications, Bloomington, IN.

Dickey-Kurdziolek, M. (2007, November). *Teacher choice and effects of classroom resource utilization in a technological intervention on rate and change*. Presentation at the GROUP Doctoral Colloquium, Sanibel, FL.

Dickey-Kurdziolek, M. (2008, June). *Teacher decisions and student access to resources*. Presentation at the ICLS Doctoral Consortium, Utrecht, Netherlands.

Dickey-Kurdziolek, M., & McLeese, M. (2008, February). *Scaling Up SimCalc: Qualitative inquiry*. Presentation at the CHCI@VT Seminar Series, Blacksburg, VA.

Dickey-Kurdziolek, M., & Tatar, D. (Accepted). Teachers' discussion of mathematics and perception of learning. Presentation at Psychology of Mathematics Education – North America, Columbus, Ohio.

Dunn, M. (2009). *Investigating variation in teaching with technology-rich intervention: What matters in teaching and teacher training at scale?* Unpublished doctoral dissertation, Rutgers, The State University of New Jersey, New Brunswick.

Dunn, M., Roschelle, J., Knudsen, J., Hegedus, S., Schorr, R., & Hemphill, S. (2007, March). *Scaling up a technology-rich innovation using a multi-tiered trainers model*. Presentation at the Research Presession of the National Council of Teachers of Mathematics, Atlanta, GA.

Dunn, M., & Schorr, R. (2009, February). *Using a train-the-trainer model in scale-up: Fostering strategic similarities.* Presentation at the Association of Mathematics Teacher Educators Thirteenth Annual Conference, Orlando, FL.

Dunn, M., Schorr, R., Hegedus, S., & Roschelle, J. (2007, October). *Investigating the scale-up of a technology-rich innovation*. Paper presented at the 29th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Lake Tahoe, NV.

Empson, S. B., Greenstein, S., Maldonado, L., & Chao, T. (2008, March). *A discourse-analytic perspective on relationships between students' opportunities to engage with mathematics and achievement gains.* Paper presented at the annual meeting of AERA as part of the symposium Enhancing Mathematics Learning with Technology: Civic, Teacher, Student, and Content Perspectives on Scaling Up SimCalc, New York, NY.

Empson, S. B., Greenstein, S., Maldonado, L., & Chao, T. (submitted). Scaling Up Innovative Mathematics in the Middle Grades: Case Studies of "Good Enough" Enactments. *Teachers College Record.*

Empson, S. B., & Knudsen, J. (2006). What can we understand about achievement gaps in mathematics by studying classroom processes? In S. Alatorre, J. L. Cortina, M. Sáiz, & A.

Méndez (Eds.), *Proceedings of the 28th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 2, pp. 196–-8). Mérida, Mexico: Universidad Pedagógica Nacional.

Estrella, G. (2007, June). *Algebra comes alive through SimCalc*. Presentation at Conference for the Advancement of Mathematics Teaching, San Antonio, TX.

Estrella, G.. (2009, July). *On the road: Proportionality in transition*. Presentation at the Conference for the Advancement of Mathematics Teaching. Houston, TX.

Estrella, G., & Lara-Meloy, T. (2008, July). *Technology + Curriculum = More math learning in your classroom*. Presentation at the Conference for the Advancement of Mathematics Teaching, Dallas, TX.

Estrella, G., Shechtman, N., & Roschelle, J. (2010). *Designing the logistics for large-scale randomized controlled trials: Six strategies for implementation at scale* (SimCalc Technical Report 06). Menlo Park, CA: SRI International.

Fishman, B., Penuel, W., Hegedus, S., Moniz, R., Dalton, S., Brookstein, A., Beaton, D., Tatar, D., Dickey, M., & Roschelle, J. (2009). *What happens when the research ends? Factors related to the sustainability of a research-based innovation* (SimCalc Technical Report 04). Menlo Park, CA: SRI International,

Fishman, B., Penuel, W., Hegedus, S., Moniz, R., Dalton, S., Brookstein, A., Beaton, D., Tatar, D., Dickey, M., & Roschelle, J. (2009). *What happens when the research ends? Factors related to the sustainability of a research-based innovation*. Paper presented at the 2009 AERA Annual Meeting, San Diego, CA.

Fishman, B., Penuel, W.R., Hegedus, S., & Roschelle, J. (submitted). What happens when the research ends? Factors related to the sustainability of a technology-infused mathematics curriculum. *Elementary School Journal*.

Hegedus, S. (2005, September). Dynamic representations: A new perspective on instrumental genesis. *Proceedings of the Fourth Congress of the European Society for Research in Mathematics Education* (pp. 1031–1039). Saint Feliu de Guixols, Spain: Author.

Hegedus, S. (2006). Jim Kaput—1942–2005: A mentor, a colleague, a friend. *For the Learning of Mathematics*, *26*(1), 31–33.

Hegedus, S. (2007). Classroom connectivity. *Educational Technology* Special Issue on Mobile Computing*, XLVII*(3), 21–25.

Hegedus, S. (to be submitted). Discourse and pedagogy in new networked classrooms. *Journal of the Learning Sciences*

Hegedus, S. (to be submitted). Feeling trigonometric! Walking circles using motion detectors and dynamic software. *Mathematics Teacher*

Hegedus, S. (to be submitted). New forms of participation and engagements in representationally rich networked classrooms. *International Journal for Computers in Mathematics Learning,*

Hegedus, S. (to be submitted). Emerging new activity structures for algebra and precalculus in connected classrooms. *International Journal of Mathematical Thinking and Learning,*

Hegedus, S., & Beaton, D. (2005, November). *Dynamic motion simulations + wireless network = Amazing algebra learning.* Presentation at the National Council of Mathematics Western Regional Conference, November 12, 2005, Denver, CO.

Hegedus, S., & Dalton, S. (2005, October). *The Profound power of classroom networks: From prealgebra through calculus*. Presentation at the National Council of Mathematics Eastern Regional Conference, October 7, 2005, Hartford, CT.

Hegedus, S., & Dalton, S. (2006, April). *Engaging students' minds by bringing trigonometry to life!* Presentation at the Annual Meeting of the National Council for Teachers of Mathematics, St. Louis, MO.

Hegedus, S., & Dalton, S. (2007, April). *Faster and faster: Introducing quadratic functions via linearly varying speed*. Workshop presented at the Association of Teachers of Mathematics in Massachusetts 2007 Spring Conference, Marlborough, MA.

Hegedus, S., Dalton, S., Brookstein, A., Beaton, D., Roschelle, J., Fishman, B., & Penuel, B. (2009). *Diffusion of a research-based innovation in terms of sustainability and spread*. Fairhaven, MA: Kaput Center Technical Report Series.

Hegedus, S., Dalton, S., & Davis, G. (2006, July). *Modeling teachers' questions in high school mathematics classes*. Poster session presented at the 30th Annual Meeting of the International Group for the Psychology of Mathematics Education, Prague, Czech Republic.

Hegedus, S., & Kaput, J. (under revision) Improving algebraic thinking through a connected SimCalc MathWorlds classroom. *Journal for Research in Mathematics Education*

Hegedus, S., Kaput, J., & Lesh, R. (2007). Technology becoming infrastructural in mathematics education. In R. Lesh, E. Hamilton, & J. Kaput (Eds.), *Foundations for the future in mathematics and science* (pp. 173–192). Mahwah, NJ: Lawrence Erlbaum.

Hegedus, S., & Lesh, R. (Eds.) (2008). Democratizing access to mathematics through technology: Issues of design and implementation. *Educational Studies in Mathematics* Special Issue*, 68*(2), 81–93.

Hegedus, S., & Moreno-Armella, L. (2008). Analyzing the impact of dynamic representations and classroom connectivity on participation, speech and learning. In L. Radford, G. Schubring, & F. Seeger (Eds.), *Semiotics education: Epistemology, historicity and culture* (pp. 175–194). Rotterdam, Netherlands: Sense Publishers.

Hegedus, S. J., & Moreno-Armella, L. (2009). Intersecting representation and communication infrastructures. Accepted by *ZDM: The International Journal on Mathematics Education.*

Hegedus, S. J., & Moreno-Armella, L. (2009). Enhancing instrumental genesis with dynamic representations. Submitted to *For the Learning of Mathematics*. Under review.

Hegedus, S., Moreno-Armella, L., & Dalton, S. (2007, February). *Technology that mediates and participation in mathematical cognition*. Paper presented at the 5th Congress of the European Society for Research in Mathematics Education Conference, Larnaca, Cyprus.

Hegedus, S., & Penuel, W. (2008). Studying new forms of participation and classroom identity in mathematics classrooms with integrated communication and representational infrastructures. *Educational Studies in Mathematics: Democratizing Access to Mathematics through Technology—Issues of design and Implementation, 68*(2), 171–184.

Hegedus, S., Penuel, W., & Blanton, M. (2007, March). *Exploring frameworks for capturing students' mathematical identities in diverse classroom settings.* Presentation at the annual meeting of AERA, New York, NY.

Hegedus, S., Roschelle, J., Lesh, R., Brady, C., & Pea, R. (2006, June–July). *Representational and connectivity infrastructure: Making a difference with attention to*

content, technology, and scale. A session honoring the memory of Jim Kaput. Invited symposium at the International Conference for the Learning Sciences, Indiana University, Bloomington, IN.

Hegedus, S. J., Roschelle, J., & Moreno-Armella, L. (2008). The mathematics of change and variation in middle school: Theoretical perspectives and findings from the SimCalc Research Program. Submitted to the *Journal of Research in Mathematics Education.* Under revision.

Hopkins, B. (2007, September). *Results from Scaling Up SimCalc*. Presented at the business meeting of members, Texas Association of Supervisors of Mathematics fall meeting*,* Austin, TX.

Kaput, J., Hegedus, S., & Lesh, R. (2007). Technology becoming infrastructural in mathematics education. In R. Lesh, E. Hamilton, & J. Kaput (Eds.), *Foundations for the future in mathematics and science* (pp. 172–192). Mahwah, NJ: Lawrence Erlbaum Associates.

Knudsen, J., & McNemar, B. (2007, March). *Algebra comes alive through technology and simulations: SimCalc replacement units for 7th and 8th grade*. Presentation at the annual meeting of the National Council of Supervisors of Mathematics, Atlanta, GA.

Lara-Meloy, T., & Vahey, P. (2010). *Success with diverse student populations: Findings from the Scaling Up SimCalc project*. Presentation at the Research Presession of the National Council of Teachers of Mathematics, San Diego, CA.

Means, B., & Roschelle, J. (2007, May). *Rigorous research on the effects of learning technology: Are we learning anything?* Presentation at the Future of Learning Series, Stanford Center for Innovations in Learning, Stanford, CA.
Means, B., & Roschelle, J. (in press). Technology and learning: Overview. In E. Baker, B. McGraw, & P. Peterson (Eds.), *International encyclopedia of education, 3rd Edition*. Maryland Heights, MO: Elsevier.

Moreno-Armella, L., & Hegedus, S. (2009). Co-action with digital technologies. To appear in *ZDM: The International Journal on Mathematics Education*.

Moreno-Armella, L., Hegedus, S., & Kaput J. (2008). Constitution of symbols and the evolution of the reference field with digital technologies. Special Issue of *Educational Studies in Mathematics*: *Democratizing Access to Mathematics through Technology—Issues of Design and Implementation*, *68*(2), 99–112.

Owens, D. T., Sinclair, M., Pape, S. J., Irving, K. E., Hegedus, S. J., Penuel, W., & Roschelle, J. (2009). *Learning and teaching mathematics in a TI-Navigator™ connected classroom*. Research symposium at the 2009 NCTM Research Presession, Washington, DC.

Pierson, J. (2006). *The relationship between teacher follow-up moves and mathematics learning*. Unpublished proposal for doctoral dissertation, University of Texas at Austin.

Pierson, J. (2007, April). *"She's the smart one and I'm the dumb one": How identity, positioning, and power impact the co-construction of mathematical meaning*. Paper presented at the annual meeting of AERA, Chicago, IL.

Pierson, J. (2007, October). *The impact of moment-to-moment discourse moves on opportunities to learn mathematics*. Paper presented at the 29th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Lake Tahoe, NV.

Pierson, J. (2008, March). *Identifying differences in patterns of classroom discourse and their relationship to mathematics achievement scores.* Paper presented at the annual meeting of AERA, New York, NY.

Pierson, J. (2008). *The relationship between patterns of discourse and mathematics learning.* Unpublished doctoral dissertation, The University of Texas at Austin.

Pierson, J. (2009, April). *Responsiveness and intellectual work: Characteristics of teachers' discourse that influence student learning.* Paper presented at the annual meeting of AERA, San Diego, CA.

Pierson, J. (under review). Gatekeepers, exiles, and citizens: The effect of identity on mathematics learning. *The Journal for Research in Mathematics Education.*

Roschelle, J. (2005, July). *Democratizing access to the mathematics of change*. Presentation at the Tablet PCs in Higher Education Conference, Seattle, WA.

Roschelle, J. (2005, August). *Implementation fidelity: A tale of two projects*. Presentation at the IERI PI Meeting, Washington, DC.

Roschelle, J. (2005, December). *Scaling up innovative technology-based mathematics to a wide variety of teachers*. Presentation at the International Conference of Computers in Education, Singapore.

Roschelle, J. (2006, April). *Getting to scale with innovations that deeply restructure how students come to know mathematics*. Presentation at the annual meeting of AERA, San Francisco, CA.

Roschelle, J. (2006, April). *Jim Kaput's legacy and impact on mathematics education, learning technology and educational reform*. Presentation at the annual meeting of AERA, San Francisco, CA.

Roschelle, J. (2006, May). *Children's use of media in school: Enabling access to advanced mathematics*. Invited presentation at the National Institute of Child Health and Human Development Workshop on Effects of Electronic Media on Children, Washington, DC.

Roschelle, J. (2007, January). *Can technology-based representations deepen math learning in a wide variety of classrooms*? Presentation at the Center for Learning in Informal and Formal Environments, University of Washington, the American Association of Physics Teachers Annual Meeting, and the Bill & Melinda Gates Foundation, Seattle, WA.

Roschelle, J. (2007, March). *Can technology-based representations deepen math learning and close the gap? Research findings from a large scientific study.* Keynote presentation at the NCTM Annual Meeting and Exposition, Atlanta, GA.

http://ctl.sri.com/publications/downloads/Roschelle_CoSN2007.pdfRoschelle, J. (2007, March). *Scientifically-based research studies examining the use of technology in mathematics education*. Presentation at the Consortium for School Networking, 12th Annual K-12 School Networking Conference, San Francisco, CA.

Roschelle, J. (2007, July). *Can CSCL make a global contribution?* Presentation at the Computer Supported Collaborative Learning Conference, Rutgers University, New Brunswick, NJ.

Roschelle, J. (2008, February). *Integrating Technology, Curriculum and TPD in 7th and 8th Grade Math: What We Can Learn from a Randomized Experiment.* Presentation at the Math and Science Partnerships Regional Conference, San Francisco, CA.

Roschelle, J. (2008, March). Realizing the Potential of ICT in Mathematics Teaching and Learning. Presentation at the National Centre for Excellence in Teaching Mathematics, London, UK.

Roschelle, J. (2008, March). *Utilizing emerging technologies to engage children in numeracy*. Presentation at the National Numeracy Conference, Glasgow, Scotland.

Roschelle, J. (2008, April). *Can a technology-enhanced curriculum improve student learning of important mathematics?* Presentation at NCSM Annual Conference, Salt Lake City, UT.

Roschelle, J., Schechtman, N., Hegedus, S., Pierson, J., McLeese, M., & Tatar, D. (2008). Cognitive complexity in mathematics teaching and learning: Emerging findings in a large-scale experiment. In Proceedings *of the 8th international conference on International conference for the learning sciences - Volume 2.* Utrecht, The Netherlands, (2008). International Society of the Learning Sciences, 271-278.

Roschelle, J. (2008, October). *The SimCalc story: 15 years of research and innovation*. Public presentation at the SRI Fellows Award Ceremony, Menlo Park, CA.

Roschelle, J. (2009, April). *Equity: Designing technology-rich curricular activities for democratizing access to advanced mathematics*. Invited presentation at the National Council of Teachers of Mathematics Annual Meeting, Washington DC.

Roschelle, J. (2010). *PRIME time for technology: What research should every mathematics leader know?* Invited keynote presentation at the National Council of Supervisors of Mathematics Annual Meeting, San Diego, CA.

Roschelle, J., Empson, S., Hegedus, S., Hopkins, B., & Tatar, D. (2008, March). *Enhancing mathematics learning with technology: Civic, teacher, student and content perspectives on Scaling Up SimCalc.* Presentation at the annual meeting of AERA, New York, NY.
Roschelle, J., Knudsen, J., & Hegedus, S. (2010). From new technological infrastructures to curricular activity systems: Advanced designs for teaching and learning. In M. J. Jacobson & P. Reimann (Eds.), *Designs for learning environments of the future: International perspectives from the learning sciences*. New York: Springer. 233-262.

Roschelle, J., Pierson, J., Empson, S., Shechtman, N., Dunn, M., & Tatar, D. (2010, June). Equity in Scaling Up SimCalc: Investigating differences in student learning and classroom implementation. To be included in the *Proceedings of the 2010 International Conference of the Learning Sciences*. Chicago, IL.

Roschelle, J., Shechtman, N., & Tatar, D. (2008, March). *Mapping "geography of opportunity" in a large scale randomized experiment on enhancing mathematics with technology.* Presentation at the annual meeting of AERA, New York, NY.

Roschelle, J., Shechtman, N., Tatar, D., Hegedus, S., Hopkins, B., Empson, S., Knudsen, J., & Gallagher, L. (2010). Integration of technology, curriculum, and professional development for advancing middle school mathematics: Three large-scale studies. *American Educational Research Journal*. Manuscript accepted for publication

Roschelle, J., Tatar, D., Hedges, L., Tipton, E., & Shechtman, N. (2010, March). *Two perspectives on the generalizability of lessons from Scaling Up SimCalc.* Presentation at the Annual Conference of the Society for Research on Educational Effectiveness, Washington, D.C.

Roschelle, J., Tatar, D., & Kaput, J. (in press). Getting to scale with innovations that deeply restructure how students come to know mathematics. In A. Kelly, R. Lesh, & J. Baek (Eds.),

Handbook of design research methods in mathematics, science and technology education. Mahwah, NJ: Lawrence Erlbaum.

Roschelle, J., Tatar, D., Shechtman, N., & Hegedus, S. (2008, March). *Using an integration of technology, curriculum, and TPD at scale to improve student learning of important mathematics*. Presentation at the Society for Research on Educational Effectiveness - 2008 Conference, Crystal City, VA.

http://math.sri.comhttp://ctl.sri.com/publications/downloads/SimCalc_TechReport1.pdfRoschelle, J., Tatar, D., Shechtman, N., Hegedus, S., Hopkins, B., Knudsen, J., & Dunn, M. (2007). *Extending the SimCalc approach to grade 8 mathematics (*SimCalc Technical Report 02). Menlo Park, CA: SRI International.

http://math.sri.comhttp://ctl.sri.com/publications/downloads/SimCalc_TechReport1.pdfRoschelle, J., Tatar, D., Shechtman, N., Hegedus, S., Hopkins, B., Knudsen, J., & Stroter, A. (2007). *Can a technology-enhanced curriculum improve student learning of important mathematics?* (SimCalc Technical Report 01). Menlo Park, CA: SRI International.

Roschelle, J., Tatar, D., Shechtman, N., & Knudsen, J. (2008). The role of scaling up research in designing for and evaluating robustness. *Educational Studies in Mathematics*, *68*(2), 149-170.

Shechtman, N., Carriere, S., & Roschelle, J. (2010). *The data outtakes reel: Archive of unreported, unreportable, and irreproducible findings* (SimCalc Technical Report 09). Menlo Park, CA: SRI International. In preparation.

Shechtman, N., Haertel, G., Gallagher, L., & Rafanan, K. (2006, April). *Designing and validating assessments for research: A practical road map from conceptual framework to work plan*. Daylong workshop at the annual meeting of AERA, San Francisco, CA.

Shechtman, N., Haertel, G., Gallagher, L., & Rafanan, K. (2007, April). *Designing and validating assessments for research: A practical road map from conceptual framework to work plan*. Workshop at the annual meeting of AERA, Chicago, IL.

Shechtman, N., Haertel, G., Roschelle, J., Knudsen, K., & Singleton, C. (2010). *Design and development of the student and teacher mathematical assessments* (SimCalc Technical Report 05). Menlo Park, CA: SRI International.

Shechtman, N., Knudsen, J., Roschelle, J., Haertel, G., Gallagher, L., Rafanan, K., & Vahey, P. (2006, April). *Measuring middle-school teachers' mathematical knowledge for teaching rate and proportionality*. Roundtable discussion at the annual meeting of AERA, San Francisco, CA.

Shechtman, N., & Roschelle, J. (2010, June). *Large-scale analysis of student workbooks: What can we learn about learning?* To be included in the *Proceedings of the 2010 International Conference of the Learning Sciences*. Chicago, IL.

Shechtman, N., Roschelle, J., Haertel, G., & Knudsen, J. (in press). Investigating links from teacher knowledge, to classroom practice, to student learning in the instruction system of the middle school mathematics classroom. *Cognition and Instruction.*

Shechtman, N., Roschelle, J., Haertel, G., Knudsen, J., & Carriere, S. (2009, April). *Mathematical knowledge for teaching in the context of two randomized experiments exploring technology use*. Paper presented at the annual meeting of the AERA, San Diego, CA.

Shechtman, N., Roschelle, J., Tatar, D., Gallagher, L., & Carrier, S. (2008, April). *Modeling teacher and school differences that matter for student learning with SimCalc.* Paper presented at the annual meeting of the AERA, New York, NY.

Stroter, A. (to be submitted). The effects of teacher-student racial and ethnic congruence on student math learning in a randomized, controlled experiment. *American Educational Research Journal*.

Stroter, A. (to be submitted). Teacher expectations of teacher-student racial and ethnic congruence on student math learning in a randomized, controlled experiment*. American Education Research Journal*.

Stroter, A. (2008, May). *Teacher-student racial and ethnic congruence: Race still matters in the classroom.* Paper presented at Human Center For Interaction Workshops, Virginia Polytechnic Institute, Blacksburg, VA.

Stroter, A. (2008, April). *Teacher-student racial and ethnic congruence: Race still matters in the classroom.* Invited talk at the University of Iowa, Iowa City, IA.

Stroter, A., & Tatar, D. (2007). *An experimental study on middle school mathematics using SimCalc (MathWorlds) software.* Poster presented at School of Education Student Association Research Symposium annual conference, Blacksburg, VA.

Stroter, A., & Tatar, D. (2008, March). *Teacher-student racial and ethnic congruence: Race still matters in the classroom*. Invited Talk at Center for Naval Analysis (CNA) Corporation, Alexandria, VA.

Stroter, A., & Tatar, D. (2008, April). *Teacher-student racial and ethnic congruence: Race still matters in the classroom*. Paper presented at the annual meeting of AERA, New York, NY.

Stroter, A., & Tatar, D. (in preparation). An evaluation of recruitment strategies, outcomes, and implications for a randomized-controlled experimental design with teachers. *Educational Evaluation and Policy Analysis*.

Tatar, D., & Dickey-Kurdziolek, M. (2008, January–February). *Beyond simple evaluation: The case of an effective classroom technology and its prospects for impact.* Presentation at Human-Computer Interaction Consortium, Snowbird, CO.

Tatar, D., Ravitz, J., & Stroter, A. (2008). *Triangulating: using national survey data to inform the interpretation of randomized, controlled experiment with teachers*. Paper presented at the annual meeting of AERA, New York, NY.

Tatar, D., Roschelle, J., Knudsen, J., Shechtman, N., Kaput, J., & Hopkins, B. (2008). Scaling up innovative technology-based mathematics. *Journal of the Learning Sciences, 17*(2), 248–286.

Tatar, D., & Stroter, A. (2009). *Recruitment strategies, outcomes, and implications for a randomized controlled experiment with teachers* (SimCalc Technical Report 03). Menlo Park, CA: SRI International.

Vahey, P. (2008, April). *Can a technology-enhanced curriculum improve student learning of important mathematics?* Presentation at the NCSM Annual Conference, Salt Lake City, UT.

Vahey, P. (2008, April). *Supporting all students in learning advanced math: Findings from a technology-enhanced curriculum study*. Presentation at 2008 Celebrating Educational Opportunities for Hispanic Students Conference: Meeting the diverse needs of all children—A courageous conversation, San Jose, CA.

Vahey, P., & Knudsen, K. (2008, April). *Can a technology-enhanced curriculum improve student learning of important mathematics?* Presentation at the National Council of Supervisors of Mathematics, Salt Lake City, UT.

Vahey, P., & Lara-Meloy, T. (2008, October). *Using a technology-enhanced curriculum to improve the learning of important mathematics for English language learner*s. Invited presentation to the 2008 CREATE conference, Minneapolis, MN.

Vahey, P., & Lara-Meloy, T. (2008, April). *Supporting all students in learning advanced math: Findings from a technology-enhanced curriculum study*. Presentation at the 40th Annual National Council of Supervisors of Mathematics Conference, San Jose, CA.

Vahey, P., Lara-Meloy, T., & Carriere, S. (2010). *Learning gains in a diverse student population* (Technical Report 08). Menlo Park, CA: SRI International. In preparation.

Vahey, P. Lara-Meloy, T., & Knudsen, J. (2009). Meeting the needs of diverse student populations: Findings from the Scaling Up SimCalc project. In S. L. Swars, , D. W. Stinson, , & S. Lemons-Smith, (Eds.), *Proceedings of the 31st annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 416-424). Atlanta, GA: Georgia State University.

Vahey, P. Lara-Meloy, T., & Moschkovich, M, Velazquez, G. (2010, in press). Representational technology for learning mathematics: An investigation of teaching practices in Latino/a classrooms. To be included in the *Proceedings of the 2010 International Conference of the Learning Sciences*. Chicago, IL.

Zahner, W., & Lara-Meloy, T., (2008, December). *Using SimCalc to teach rate, proportions and linear functions.* Presentation at the California Mathematics Council, Asilomar, CA.