

MARILYN S. THOMPSON

Professor

T. Denny Sanford School of Social and Family Dynamics

College of Liberal Arts and Sciences

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EDUCATION

- 1999 Ph.D., University of Kansas, Lawrence, Kansas
Major: Educational Psychology & Research - Quantitative Research Methodology
Minor: Psychology - Psychometrics
- 1996 M.A., University of Kansas, Lawrence, Kansas
Major: Curriculum & Instruction - Science Education
- 1989 B.A., Carleton College, Northfield, Minnesota
Major: Chemistry, *cum laude*
Urban Education Program: Semester of studying urban education in Chicago, IL
Teaching internship: Whitney Young High School, Chicago Public Schools

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, Arizona

- 2020–present Professor, T. Denny Sanford School of Social and Family Dynamics
- 2019 – 2020 Professor and Interim Director, T. Denny Sanford School of Social and Family Dynamics
- 2015 – 2019 Professor and Associate Director, T. Denny Sanford School of Social and Family Dynamics
- 2010 – 2015 Associate Professor, T. Denny Sanford School of Social and Family Dynamics
- 2012 – 2014 Affiliated Researcher, Learning Sciences Institute
- 2011 – present Affiliated Faculty, School of Public Affairs
- 2006 – 2010 Associate Professor, Mary Lou Fulton Institute & Graduate School of Education (2008 – 2010); Mary Lou Fulton College of Education (2006 – 2008);
Measurement, Statistics, and Methodological Studies concentration
- 2008 Visiting Professor at University of Barcelona during 2008 sabbatical
- 2006 – 2007 Concentration Coordinator, Measurement, Statistics, and Methodological Studies

- 1999 – 2000 Concentration Coordinator, Measurement, Statistics, and Methodological Studies
- 1999 – 2006 Assistant Professor, College of Education, Educational Psychology program; Measurement, Statistics, and Methodological Studies concentration

University of Kansas, Lawrence, Kansas

- 1996 - 1998 Research Assistant, Institute for Life Span Studies, Research Design & Analysis Responsibilities included consulting, conducting statistical analyses, writing research manuscripts, and preparing statistics workshops for Institute researchers.
- 1996 Graduate Teaching Assistant, School of Education, Psychology and Research in Education. Teaching assistant for graduate-level introductory statistics course.
- 1994 - 1997 Graduate Teaching Assistant, School of Education, Curriculum & Instruction Instructor of undergraduate science methods course for elementary/middle school teachers. Field supervisor/evaluator for secondary science student teachers.

Center Senior High School, Center School District, Kansas City, Missouri

- 1991 - 1994 Chair of Science Department with six faculty members
Chaired Secondary Science Curriculum Review (1992-1993)
- 1989 - 1994 Teacher of physics, chemistry, and physical science in grades 9-12
Served on School Improvement Team (1993-1994) and Professional Development Committee (1993-1994)

PUBLICATIONS

Refereed Journal Articles (* denotes coauthor was a graduate student or postdoctoral scholar when the research was conducted)

Currie, N. K., Francey, G., Davies, R., Bridges, M. S., Gray, S., Thompson, M. S., Restrepo, L., Hu, F., Ciralo, M. F., & Cain, K. (in press). The process and product of coherence monitoring in young readers: Effects of reader and text characteristics. *Scientific Studies of Reading*.

Spencer, T. D., Moran, M. K., Thompson, M. S., Petersen, D. B., & Restrepo, M. A. (2020). Early efficacy of multitiered dual-language instruction: Promoting preschoolers' Spanish and English oral language. *AERA Open*, 6, 1-16.
<https://doi.org/10.1177/2332858419897886>

*Berger, R.H., Diaz, A., Valiente, C., Eisenberg, N., Spinrad, T.L., Doane, L.D., Thompson, M. S., Hernández, M. M., Johns, S. K., & Southworth, J. (2019). The association between home chaos and academic achievement: The moderating role of sleep. *Journal of Family Psychology*, 33, 975-981. Advance online publication April 25, 2019,
<http://dx.doi.org/10.1037/fam0000535>

- *Li, L., Sheehan, C., & Thompson, M. S. (2019). Measurement invariance and sleep quality differences between men and women in the Pittsburgh Sleep Quality Index. *Journal of Clinical Sleep Medicine*, *15*, 1769-1776. Advance online publication Oct. 30, 2019, <https://dx.doi.org/10.5664/jcsm.8082>
- *Bryce, C. I., Bradley, R. H., Abry, T., Swanson, J., & Thompson, M. S. (2019). Parents' and teachers' academic influences, behavioral engagement, and first- and fifth-grade achievement. *School Psychology*, *34*, 492-502. Advance online publication November 19, 2018, <https://doi.org/10.1037/spq0000297>.
- *O'Brien, J. E., Thompson, M. S., & Hagler, D. (2019). Using generalizability theory to inform optimal design for a nursing performance assessment. *Evaluation and the Health Professions*, *42*, 297-327. Advance online publication October 11, 2017, <https://doi.org/10.1177/0163278717735565>.
- *Johns, S. K., Valiente, C., Eisenberg, N., Spinrad, T. L., Hernández, M., Southworth, J., *Berger, R., Thompson, M. S., Silva, K., & Pina, A. (2019). Prediction of children's early academic adjustment from their temperament: The moderating role of peer temperament. *Journal of Educational Psychology*, *111*, 542-555. Advance online publication July 26, 2018, <https://doi.org/10.1037/edu0000288>.
- Spencer, T. D., Petersen, D. B., Restrepo, M. A., Thompson, M. S., & Gutierrez-Arvizu, M. N. (2019). The effect of Spanish and English narrative intervention on the language skills of young dual language learners. *Topics in Early Childhood Special Education*, *38*, 204-219. Advance online publication June 18, 2018: <https://doi.org/10.1177/0271121418779439>.
- *Xia, Y., Green, S. B., *Xu, Y., & Thompson, M. S. (2019). Proportion of indicator common variance due to a factor as an effect size statistic in revised parallel analysis. *Educational and Psychological Measurement*, *79*, 85-107. Advance online publication February 7, 2018, <https://doi.org/10.1177/0013164418754611>.
- *Hernández, M. M., Eisenberg, N., Valiente, C., Spinrad, T. L., *Berger, R. H., *Johns, S. K., *Silva, K. M., Diaz, A., Southworth, J., & Thompson, M. S. (2018). Emotions in school and symptoms of psychological maladjustment from kindergarten to first grade. *Journal of Experimental Child Psychology*, *176*, 101-112. Advance online publication August 24, 2018. doi: 10.1016/j.jecp.2018.07.010
- *Hernández, M. M., Eisenberg, N., Valiente, C., Spinrad, T. L., *Johns, S. K., *Berger, R. H., *Silva, K. M., Diaz, A., *Gal-Szabo, D. E., Thompson, M. S., & Southworth, J. (2018). Self-regulation and academic achievement across the early elementary school grades: Examining longitudinal and bidirectional associations. *Early Education and Development*, *29*, 914-938. Advance online publication July 31, 2018: <https://doi.org/10.1080/10409289.2018.1496722> .
- *Hernández, M., Eisenberg, N., Valiente, C., Spinrad, T. L., *Berger, R., *VanSchyndel, S., *Silva, K., Diaz, A., Thompson, M. S., *Gal, D. E., & Southworth, J. (2018). Bidirectional associations between emotions and school adjustment. *Journal of*

- Personality*, 86, 853-867. Advance online publication November 24, 2017, doi: 10.1111/jopy.12361
- *Hernández, M., Eisenberg, N., Valiente, C., Thompson, M. S., Spinrad, T. L., Grimm, K. J., *VanSchyndel, S. K., *Berger, R. H., *Silva, K., Pina, A. A., Southworth, J., & *Gal, D. (2018). Trajectories of the expression of negative emotion from kindergarten to first grade: Associations with academic outcomes. *Journal of Educational Psychology*, 110, 324-337. Advance online publication December 21, 2017, <http://dx.doi.org/10.1037/edu0000213>
- *Berger, R. H., *Diaz, A., Valiente, C., Eisenberg, N., Spinrad, T. L., Thompson, M. S., *Hernández, M. M., *VanSchyndel, S. K., & Southworth, J. (2018). Sleep duration moderates the association between children's temperament and academic achievement. *Early Education and Development*, 29, 624-640. Advance online publication December 4, 2017, doi: 10.1080/10409289.2017.1404884.
- Green, S. B., *Xu, Y., & Thompson, M. S. (2018). Relative accuracy of two modified parallel analysis methods that use the proper reference distribution. *Educational and Psychological Measurement*, 78, 589-604. Advance online publication July 17, 2017, doi: 10.1177/0013164417718610.
- *Hernández, M. M., Eisenberg, N., Valiente, C., Spinrad, T. L., *Berger, R. H., *VanSchyndel, S. K., Thompson, M. S., Southworth, J., & *Silva, K. M. (2018). Balance in positive emotional expressivity across school contexts relates to kindergarteners' adjustment. *Early Education and Development*, 29, 1-13. Advance online publication Sept. 6, 2017, doi: 10.1080/10409289.2017.1364946.
- *Berger, R., Valiente, C., Eisenberg, N., *Hernández, M., Thompson, M. S., Spinrad, T. L., *VanSchyndel, S., *Silva, K., & Southworth, J. (2017). Effortful control and school adjustment: The moderating role of classroom chaos. *Journal of Applied Developmental Psychology*, 53, 108-119. <https://doi.org/10.1016/j.appdev.2017.10.001>
- MacSwan, J., Thompson, M. S., Rolstad, K., *McAlister, K., & *Lobo, G. (2017). Three theories of the effects of language education programs: An empirical evaluation of bilingual and English-only policies. *Annual Review of Applied Linguistics*, 37, 218-240. doi: 10.1017/S0267190517000137.
- *Diaz, A., *Berger, R., Valiente, C., Eisenberg, N., *VanSchyndel, S., *Tao, C., Spinrad, T. L., Doane, L. D., Thompson, M. S., *Silva, K. M., & Southworth, J. (2017). Children's sleep and academic achievement: The moderating role of effortful control. *International Journal of Behavioral Development*, 41, 275-284. Advance online publication March 1, 2016, doi: 10.1177/0165025416635284.
- *Hernández, M., Valiente, C., Eisenberg, N., *Berger, R. H., Spinrad, T. L., *VanSchyndel, S. K., *Silva, K. M., Southworth, J., & Thompson, M. S. (2017). Elementary students' effortful control and academic achievement: The mediating role of teacher-student relationship quality. *Early Childhood Research Quarterly*, 40, 98-109. doi: 10.1016/j.ecresq.2016.10.004.

- *Hernández, M. M., Eisenberg, N., Valiente, C., *VanSchyndel, S. K., Spinrad, T. L., *Silva, K. M., *Berger, R. H., Diaz, A., *Terrell, N., Thompson, M. S., & Southworth, J. (2016). Emotional expression in school context, social relationships, and academic adjustment in kindergarten. *Emotion, 16*, 553-566. doi: 10.1037/emo0000147.
- *Baldwin-White, A., Thompson, M. S., & *Gray, A. (2016). Pre- and post-intervention factor analysis of the Illinois Rape Myth Acceptance Scale. *Journal of Aggression, Maltreatment, and Trauma, 25*, 636-651. doi: 10.1080/10926771.2015.1107173.
- *Lai, K., Green, S. B., Levy, R., *Reichenberg, R., *Xu, Y., Thompson, M. S., *Yel, N., Eggum-Wilkens, N., *Kunze, K., & Iida, M. (2016). Assessing model similarity in structural equation modeling. *Structural Equation Modeling, 23*, 491-506. doi: 10.1080/10705511.2016.1154464.
- Green, S. B., *Redell, N., Thompson, M. S., & Levy, R. (2016). Accuracy of revised and traditional parallel analyses for assessing dimensionality with binary data. *Educational and Psychological Measurement, 76*, 5-21. doi: 10.1177/0013164415581898.
- *Kapantzoglou, M., Thompson, M. S., Gray, S., & Restrepo, M. A. (2016). Assessing measurement invariance for Spanish sentence repetition and morphology elicitation tasks. *Journal of Speech, Language, and Hearing Research, 59*, 254-266. doi: 10.1044/2015_JSLHR-L-14-0319.
- *O'Brien, J. E., Hagler, D., & Thompson, M. S. (2015). Designing simulation scenarios to support assessment validity. *The Journal of Continuing Education in Nursing, 46*, 492-498. doi: 10.3928/00220124-20151020-01.
- *Kapantzoglou, M., Restrepo, M. A., Gray, S., & Thompson, M. S. (2015). Language ability groups in bilingual children: A latent profile analysis. *Journal of Speech, Language, and Hearing Research, 58*, 1549-1562. doi: 10.1044/2015_JSLHR-L-14-0290.
- Green, S. B., Thompson, M. S., Levy, R. L., & Lo, W.-J. (2015). Type I and Type II error rates and overall accuracy of the revised parallel analysis method for determining the number of factors. *Educational and Psychological Measurement, 75*, 428-457. doi: 10.1177/0013164414546566.
- *Svetina, D. S., *Crawford, A. V., Levy, R., Green, S. B., *Scott, L., Thompson, M. S., Gorin, J. S., *Fay, D., & *Kunze, K. L. (2013). Designing small-scale tests: A simulation study of parameter recover with the 1-PL. *Psychological Test and Assessment Modeling, 55*, 335-360.
- Valiente, C., Eisenberg, N., Spinrad, T. L., *Haugen, R., Thompson, M. & Kupfer, A. (2013). Effortful control and impulsivity as concurrent and longitudinal predictors of academic achievement. *The Journal of Early Adolescence, 33*, 946-972. doi: 10.1177/0272431613477239.
- Restrepo, M. A., *Morgan, G. P., & Thompson, M. S. (2013). The efficacy of a vocabulary intervention for dual language learners with language impairment. *Journal of Speech, Language, and Hearing Research, 56*, 748-765. doi: 10.1044/1092-4388(2012/11-0173).

- Tragant, E., & Thompson, M. S., & Victori, M. (2013). Understanding foreign language learning strategies: A validation study. *System, 41*, 95-108. doi: 10.1016/j.system.2013.01.007.
- *Bate, S. L., Stigler, M. H., Thompson, M. S., MacKinnon, D. P., Arora, M., Perry, C. L., & Reddy, K. S. (2012). A qualitative mediation study to evaluate a school-based tobacco prevention program in India (Project MYTRI). *Field Methods, 24*, 194-215.
- Green, S. B., Levy, R., Thompson, M. S., *Lu, M., & Lo, W.-J. (2012). A proposed solution to the problem with using completely random data to assess the number of factors with parallel analysis. *Educational and Psychological Measurement, 72*, 357-374. Available online: <http://epm.sagepub.com/content/72/3/357.full.pdf+html>.
- *Lo, W.-J., Thompson, M. S., & *Chen, Y.-H. (2012). A construct validity examination of the Chinese version of the Parental Bonding Instrument using confirmatory factor analysis. *The International Journal of Educational and Psychological Assessment, 11*, 20-43. Available online: <https://docs.google.com/file/d/0ByxuG44OvRLPNIFVcmZjNktnaDQ/edit>.
- *Van Vleet, B. B., & Thompson, M. S. An empirical investigation of self-reported ethnicity measures. (2012). *The International Journal of Educational and Psychological Assessment, 11*, 90-110. Available online: <https://docs.google.com/file/d/0ByxuG44OvRLPMktaV3ZGQVhHOVk/edit>.
- *Kapantzoglou, M., Restrepo, M. A., & Thompson, M. S. (2012). Dynamic assessment of word learning skills: Identifying language impairment in bilingual children. *Language, Speech, and Hearing Services in Schools, 43*, 81-96. doi:10.1044/0161-1461(2011/10-0095).
- *Chen, Y.-H., Thompson, M. S., & Kromrey, J. D., & Chang, G. H. (2011). Relations of student perceptions of teacher oral feedback with teacher expectancies and student self-concept. *Journal of Experimental Education, 79*, 452-477.
- Green, S. B., & Thompson, M. S. (2010; actually published Oct 2011). Can specification searches be useful for hypothesis generation? *Journal of Modern Applied Statistical Methods, 9*, 160-171.
- *Crawford, A., Green, S. B. Levy, R., *Lo, W-J, *Scott, L., *Svetina, D. S., & Thompson, M. S. (authorship alphabetical; 2010). Evaluation of parallel analysis methods for determining the number of factors. *Educational and Psychological Measurement, 70*, 885-901.
- *Chen, Y.-H., Ferron, J., Thompson, M. S., Gorin, J. S., & Tatsuoka, K. (2010). Group comparisons of mathematics performance from a cognitive diagnostic perspective. *Educational Research and Evaluation, 16*, 325-343. doi: 10.1080/13803611.2010.527760.
- *Iyer, R.V, Kochenderfer-Ladd, B., Eisenberg, N.E., & Thompson, M. S. (2010). Peer victimization and effortful control: Relations to school engagement and academic achievement. *Merrill-Palmer Quarterly, 56*, 361-387.

- *Osborn Popp, S. E., Ryan, J. M., & Thompson, M. S. (2009). The critical role of anchor paper selection in writing assessment validity. *Applied Measurement in Education, 22*, 255-271.
- *Bate, S. L., Stigler, M. H., Thompson, M. S., Arora, M., Perry, C. L., Reddy, K. S., & MacKinnon, D. P. (2009). Psychosocial mediators of a school-based tobacco prevention program in India: Results from the first year of Project MYTRI. *Prevention Science, 10*, 116-128. Published electronically November 21, 2008. Available: <http://www.springerlink.com.ezproxy1.lib.asu.edu/content/2g564tpj6112m4k2/fulltext.html>).
- *Chen, Y.-H., Gorin, J. S., Thompson, M. S., & Tatsuoka, K. (2008). Cross-cultural validity of the TIMSS-1999 mathematics test: Verification of a cognitive model. *International Journal of Testing, 8*, 251-271. doi: 10.1080/15305050802262217.
- Cathers-Schiffman, T. A., & Thompson, M. S. (2007). Assessment of English- and Spanish-speaking students with the WISC-III and Leiter-R. *Journal of Psychoeducational Assessment, 25*, 41-52.
- *Michalik, N. M., Eisenberg, N., Spinrad, T. L., Ladd, B., Thompson, M. S., & Valiente, C. (2007). Longitudinal relations among parental personality, emotional expressivity, youths' sympathy, and prosocial behavior. *Social Development, 16*, 1-24.
- Thompson, M. S., Gorin, J. S., *Obeidat, K., & *Chen, Y.-H. (2006). Understanding differences in postsecondary educational attainment: A comparison of predictive measures for black and white students. *Journal of Negro Education, 75*, 546-562.
- Green, S. B., & Thompson, M. S. (2006). Structural equation modeling for conducting tests of differences in multiple means. *Journal of Psychosomatic Medicine, 68*, 706-717.
- Thompson, M. S., Green, S. B., *Chen, Y.-H., *Stockford, S. M., & *Lo, W.-J. (2005). Power of the *t* test for normal and mixed normal distributions. *Journal of Modern Applied Statistical Methods, 4*, 591-597.
- Eisenberg, N., Spinrad, T. L., Fabes, R. A., Reiser, M., Cumberland-Li, A., Shepard, S. A., Valiente, C., Losoya, S. H., Guthrie, I. K., & Thompson, M. S. (2004). The relations of effortful control and impulsivity to children's resiliency and adjustment. *Child Development, 75*, 25-46.
- *Dyck, C., Schneider, I., Thompson, M., & Virden, R. (2003). Specialization among mountaineers and its relationship to environmental attitudes. *Journal of Park and Recreation Administration, 21*, 44-62.
- Thompson, M. S., *DiCerbo, K. E., *Mahoney, K., & MacSwan, J. (2002, January 25). ¿Exito en California? A validity critique of language program evaluations and analysis of English learner test scores. *Education Policy Analysis Archives, 10(7)*, 1-48. Available <http://epaa.asu.edu/ojs/article/view/286/412>.
- Kemper, S., Thompson, M. S., & Marquis, J. G. (2001). Longitudinal change in language production: Effects of aging and dementia on grammatical complexity and propositional

content. *Psychology and Aging*, 16, 600-614.

- Green, S. B., & Thompson, M. S., & Poirer, J. (2001). An adjusted Bonferroni method for elimination of parameters in specification addition searches. *Structural Equation Modeling*, 8, 18-39.
- Green, S. B., Marquis, J. G., Hershberger, S. L., Thompson, M. S., & McCollam, K. M. (1999). The overparameterized analysis-of-variance model. *Psychological Methods*, 4, 214-233.
- Green, S. B., Thompson, M. S., & Poirer, J. (1999). Exploratory analyses to improve model fit: Errors due to misspecification and a strategy to reduce their occurrence. *Structural Equation Modeling*, 6, 113-126.
- Green, S. B., Thompson, M. S., & Babyak, M. A. (1998). A Monte Carlo investigation of methods for controlling Type I errors with specification searches in structural equation modeling. *Multivariate Behavioral Research*, 33, 365-383.

Invited Journal Articles

- Eisenberg, N., Thompson, M. S., Augir, S., & *Stanley, E. H. (2002). "Getting in" revisited: An analysis of manuscript characteristics, reviewers' ratings, and acceptance of manuscripts in *Psychological Bulletin*. *Psychological Bulletin*, 128, 997-1004.

Book and Monograph Chapters (* denotes coauthor was a graduate student when the research was conducted)

- Thompson, M. S. (2016). Assessing measurement invariance using structural equation modeling. In Karl Schweitzer and Christine DiStefano (Eds.), *Principles and Methods of Test Construction: Standards and Recent Advancements* (pp. 218-246). European Association of Psychological Assessment's *Progress in Psychological Assessment* book series. Göttingen, Germany: Hogrefe Publishing.
- Thompson, M. S., & Green, S. B. (2013). Evaluating between-group differences in latent variable means. In G. R. Hancock & R. O. Mueller (Eds.), *A Second Course in Structural Equation Modeling*, 2nd ed. (pp. 163-218). Greenwich, CT: Information Age Publishing, Inc.
- Green, S. B., & Thompson, M. S. (2012). A flexible SEM approach for analyzing means. In R. H. Hoyle (Ed.), *Handbook of Structural Equation Modeling* (pp. 393-416). New York: Guilford Press.
- *Chen, Y.-H., Gorin, J. S., Thompson, M. S., & Tatsuoaka, K. K. (2008). An alternative examination of Chinese Taipei mathematics achievement: Application of the rule-space method to TIMSS 1999 data. In M. Von Davier, & D. Hastedt (Eds.), *IERI monograph series: Issues and methodologies in large scale assessments*. Volume 1 (pp. 23-49). United States/Germany: IEA-ETS Research Institute.
- Thompson, M. S., & Green, S. B. (2006). Evaluating between-group differences in latent variable means. In G. R. Hancock & R. O. Mueller (Eds.), *A Second Course in Structural*

Equation Modeling (pp. 119-169). Greenwich, CT: Information Age Publishing, Inc.

- *Mahoney, K., & MacSwan, J., & Thompson, M. (2005). The Conditions of English Language Learners in Arizona: 2005. In A. Molnar (Ed.), *The Condition of PreK-12 Education in Arizona, 2005*. Tempe, AZ: Education Policy Research Laboratory, Arizona State University.
- *Mahoney, K., Thompson, M., & MacSwan, J. (2004). English Language Learners. In A. Molnar (Ed.), *The Condition of PreK-12 Education in Arizona, 2004*. Tempe, AZ: Education Policy Research Laboratory, Arizona State University.
- Green, S. B., & Thompson, M. S. (2003). Structural equation modeling in clinical research. In M. C. Roberts & S. S. Illardi (Eds.), *Methods of Research in Clinical Psychology: A Handbook* (pp. 138-175). London: Blackwell.
- Marquis, J. G., Horner, R. H., Carr, E. G., Turnbull, A. P., Thompson, M. S., Behrens, G. A., Magito-McLaughlin, D., McAtee, M. L., Smith, C. E., Ryan, K. A., & Doolabh, A. (2000). A meta-analysis of positive behavior support. In R.M. Gersten, E.P. Schiller, & S. Vaughn (Eds.), *Contemporary Special Education Research: Syntheses of the Knowledge Base on Critical Instructional Issues* (pp. 138-178). Mahwah, NJ: Lawrence Erlbaum.

Science Textbooks

The following books are secondary-level science textbooks published by Glencoe/McGraw-Hill that have been used widely in schools around the country. All physical science related titles (i.e., all books except *Science Interactions*) contain shared and extended material with the original textbook, of which I authored 12 chapters of physics content (approx. half of the book). I originally wrote these while teaching high school science and pursuing graduate work in science education. I maintain an interest in science education and have continued to revise these texts.

- McLaughlin, C. W., Thompson, M. S., & Zike, D. (alphabetical; 2012, 2008, 2005, 2002, 1999, 1997). *Glencoe Physical Science*. Glencoe / McGraw-Hill: New York.
- Feather, R. M., McLaughlin, C. W., & Thompson, M. S., & Zike, D. (alphabetical; 2012, 2009, 2006). *Glencoe Physical Science with Earth Science*. Glencoe / McGraw-Hill: New York.
- National Geographic Society, McLaughlin, C. W., Thompson, M. S., & Zink, D. (alphabetical; 2002). *Integrated Physics and Chemistry*. Glencoe / McGraw-Hill: New York.
- Avakian, R. W., Blaustein, D., McLaughlin, C. W., Reel, K., Thompson, M. S., Wulff, J., & Zitzewitz, P. W. (alphabetical; 1999, 1996). *Science Interactions Course 4*. Glencoe / McGraw-Hill: New York.
- Thompson, M. S., McLaughlin, C. W., & Smith, R. G. (1995). *Physical Science*. Glencoe / McGraw-Hill: New York.
- Smith, R. G., Balinger, J. & Thompson, M. S. (1993). *Physical Science*. Glencoe / McGraw-Hill: New York.

Evaluations and Technical Reports

Lo, W., Thompson, M. S., & Potts, S. (2007). *An empirical approach to understanding freshman persistence at ASU*. Report commissioned by the ASU Vice Provost and Dean of University College.

Lo, W., & Thompson, M. S. (2006). *An analysis of freshman persistence in the ASU 2002-2004 cohorts*. Report commissioned by the ASU Vice Provost as part of Retention Task Force activities.

Thompson, M. S., Bhatia, S., Lo, W., & Stockford (2004). *Report on the 2004 Teacher Demand Survey*. Report on survey of the demand for teachers in Maricopa and Pinal counties.

Spencer, D. A., Thompson, M. S., Bhatia, S., Lo, W., Harthun, M. L., Murphy, S., & Flanagan, K. (2003). *Project Venture Technology Innovation Challenge Grant, Formative Evaluation Report: Year 5*. Formal evaluation submitted to the U. S. Department of Education.

Spencer, D. A., Thompson, M. S., Bhatia, S., Lo, W. (2003). *Review of Software for Arizona School Services through Educational Technology and the Cox Education Network's Learning Station*. Formal evaluation submitted to Arizona School Services through Educational Technology.

Spencer, D. A., Thompson, M. S., Bhatia, S., Puri, S., Lo, W., Harthun, M. L., Murphy, S., Foro, J., & Flanagan, K. (2002). *Project Venture Technology Innovation Challenge Grant, Formative Evaluation Report: Year 4*. Formal evaluation submitted to the U. S. Department of Education.

Spencer, D. A., Thompson, M. S., Yu, C. H., Puri, S., Bhatia, S., Harthun, M. L., Murphy, S., Foro, J., & Flanagan, K. (2001). *Project Venture Technology Innovation Challenge Grant, Formative Evaluation Report: Year 3*. Formal evaluation submitted to the U. S. Department of Education.

SPONSORED PROJECTS

Funded

2018-2023 Gray, S. (PI), Restrepo, L. (Co-PI), & Thompson, M. S. (Co-PI). Monolingual and Bilingual Reading Comprehension in Middle School Students. National Institutes of Health – National Institute of Child Health & Human Development. (Subaward to ASU from University of Kansas Medical Center Research Institute, Bridges PI).

Award number: 1 R01 HD096144-01

Award period: 09/01/2018 to 05/31/2023

Total amount: \$1,075,639 (Thompson 20%)

2017-2022 Gray, S. (PI), Restrepo, L. (Co-PI), Green, S. (Co-PI), & Thompson, M. S. (Co-PI). Monolingual and Bilingual Children Reading Comprehension. National Institutes of Health – National Institute of Child Health & Human Development. Award period: 08/15/2017 to 7/31/2022

Total amount: \$2,821,233 (Thompson 20%)

- 2016-2019 Miller, C. (PI), Reisslein, M. (co-PI), & Wheeler, L. (co-PI); Thompson, M. S. (consultant). Equity in Engineering: Understanding and Promoting All Elementary School Children's Knowledge of and Motivation to Engage in Engineering. National Science Foundation – Directorate for Education & Human Resources Core Research (ECR) grant program.
Award period: 9/01/2016 to 8/31/2019
Total amount: \$919,465 over 3 years (Thompson \$3,000/year as consultant)
- 2014-2017 Spencer, T. (PI), Petersen, D. (co-PI), Restrepo, M. A. (co-PI), & Thompson, M. S. (co-PI). Development of a dual language narrative curriculum. Revision submitted September 4, 2013 after previous review, to Institute for Education Sciences – Early Learning Programs and Policies; Goal 2: Development and Innovation.
Proposal number: 14010199
Award period: 8/1/2014 – 7/31/2017
Total Amount: Total \$1,481,976; ASU share \$301,016 (Thompson 50%)
- 2012-2017 Valiente, C. (P.I), Eisenberg, N., Spinrad, T., Thompson, M. S., & Pina, A. (Co-P.I.s). The roles of emotion, regulation, and peer context in children's achievement. Funded by National Institutes of Health – National Institute of Child Health & Human Development.
Award number: 11080549
Award period: 6/1/2012 to 5/31/2017
Total Amount: \$ 2,531,730 over five years (Thompson 10%)
- 2009-2012 Luft, J. A. (P.I.), & Thompson, M. S. (Co-P.I.). Persistent, Enthusiastic, Relentless: Study of Induction Science Teachers (PERSIST). National Science Foundation – Discovery Research K-12 Program.
Award number: 0918697
Award period: 8/1/2009 to 7/31/2012
Amount: \$ 895,883 (Thompson 25%)
- 2006-2009 Gutierrez-Clellan, V. F., & Restrepo, M. A. (P.I.s); Thompson, M. S. (methodological consultant). Vocabulary, Oral Language, and Academic Readiness (VOLAR): A Language Intervention for Latino Preschool English Language Learners with Language Disorders. Institute of Education Sciences, U. S. Department of Education.
Award number: R324E06073
Award period: 6/1/2006 to 5/31/2009
Amount: \$1,425,540 overall, with \$662,945 subcontract to ASU
- 2007 Gutierrez-Clellan, V. F. (P.I.). Thompson, M. S. (statistical consultant). Vocabulary, Oral Language, and Academic Readiness (VOLAR): A Language Intervention for Latino Preschool English Language Learners. Funded by the Department of Health and Human Services Administration for Children and Families in the program Head Start University Partnership Research Grants: English Language Learners (ELLs) in Head Start and Early Head Start Programs.

Amount: \$100,000

- 2004-2006 Middleton, J. A. (PI), Flores, A., Carlson, M., Baek, J. M., Atkinson, R., Thompson, M. S., & Millsap, R. (co-PIs). *A Longitudinal Study of the Development of Rational Number Knowledge in the Middle Grades*. Funded by the Research on Learning in Education (ROLE) grant program of the National Science Foundation.
My chief role is to provide direction for the design, collection, and analysis of assessment data for the longitudinal study. I was consistently involved in grant activities in 2004-2005, but participated in 2005-2006 as an occasional consultant.
Amount: \$1,400,000 for three years
- 2000-2005 Thompson, M. S. (PI). *Measurement, Research, and Computer Support for the Cisco Networking Academies Assessment Systems*. Funded by Cisco Systems. This grant has been a major source of funding for the EDCARE laboratory. I have supervised graduate students and research professionals on projects to enhance the Cisco Networking Academies assessment system.
Amount: \$345,000 for two years; \$103,000 continuance for third year; \$110,000 continuance for fourth year; \$60,000 for fifth year.
- 2004-2005 Gorin, J. G. & Thompson, M. S. (co-PIs). *The Pursuit of Postsecondary Education: Exploring Underrepresented Groups in Arizona*. Internal Stimulus Grant funded by the ASU College of Education.
Amount: \$40,000 for one year
- 2000-2003 Spencer, D. (PI). Thompson, M. S. (consultant). *Evaluation for Project Venture Technology Innovation Challenge Grant*. Funded through the Project Venture Grant from the U. S. Department of Education.
Dr. Dee Spencer was the primary evaluator for the grant, which supports technology training in 4 urban/suburban school districts and 13 rural districts in Maricopa County. I directed graduate students in the EDCARE laboratory in the development, support, and data analysis for a web-based evaluation tool.
Amount: \$117,571 for 2001; \$150,000 for 2002; and \$120,000 for 2003
- 2003 Spencer, D. & Thompson, M. S. (co-PIs). *Review of Software for Arizona School Services Through Educational Technology and the Cox Education Network's Learning Station*. Funded by Arizona School Services Through Educational Technology.
Amount: \$7,500
- 2000-2002 MacSwan, J. (PI). Thompson, M. S. (methodology writer and consultant). *Beyond Program Effectiveness Research: Explaining Low Achievement in Limited English Proficient Students*. Funded by the Field-Initiated Studies grant program in the U.S. Department of Education.
I wrote the methodology for a structural equation modeling analysis of data collected in this study. I will direct the analysis of the data and contribute to the writing of papers based on our findings.
Amount: \$700,000 over three years; no-cost extension awarded for 2003-2005

- 2001-2002 Thompson, M. S., & Bhatia, S. (co-PIs). *Development of an On-line Professional Growth Management System*. Funded by Kyrene Elementary School District. Amount: \$20,000 for one year
- 2001-2002 Stockford, S. M., & Thompson, M. S. (co-PIs). *Development of an On-line Data Management System for the Teacher Demand Project*. Funded by ASU East Campus Provost's Office. Amount: approx. \$10,000 for one year
- 1999-2000 Thompson, M. S. & Ryan, J. (co-PIs) *Technical Assistance for the CISCO Networking Academies Assessment Systems*. Funded by Cisco Systems, Inc. Amount: \$219,000 for one year

Under Review or Not Funded

- 2016 Abry, T. (PI), Pratt, M. (Co-I), & Thompson, M. S. (Co-I). Promoting children's school readiness: An investigation of social-emotional learning strategies in Head Start classrooms. Submitted August 3, 2016 to U. S. Department of Education - Institute of Education Sciences. Not funded.
Proposed award period: 07/01/2017 to 6/30/2018
Proposed amount: \$298,212 (Thompson 20%)
- 2016 Gray, S. (PI), Restrepo, L. (Co-PI), Green, S. (Co-PI), Thompson, M. S. (Co-PI) Graham, S. (Co-PI). Understanding and Improving Reading Comprehension—Pressure Points Affecting Reading Comprehension by Children: Evidence from Linguistic Comprehension, Cognitive, Motivational, and Environmental Measures. Submitted January 23, 2016 to National Institutes of Health – National Institute of Child Health & Human Development. Not funded.
Proposed award period: 11/01/2016 to 10/31/2021
Proposed amount: \$1,104,119 (ASU subcontract, Thompson 10%); Total \$7,360,795
- 2014 Miller, C. (PI), Reisslein, M. (co-I), & Hedberg, E. (co-I); Thompson, M. S. (consultant). Equity in Engineering: Understanding and Promoting All Elementary School Children's Knowledge of and Motivation to Engage in Engineering. Submitted November 5, 2014 to the National Science Foundation – Innovative Technology Experiences for Students and Teachers (ITEST) grant program. Not funded.
Proposed award period: 5/15/2015 to 5/15/2018
Proposed amount: \$856,613 over 3 years (Thompson \$3,000/year as consultant)
- 2014 Burkins, J., (PI), Yaris, K. (PI), Thompson, M. (consultant), & Green, S. B. (consultant). Evaluation Project for Riviera Beach Literacy Project. Submitted in October 6, 2014 to Foundation. Funded without consultant budget.
Proposed award period: 12/1/2014 to 6/30/2018
Proposed amount: \$516,600 over 3.5 years (Thompson paid as consultant)
- 2013 Fabes, R. (PI), Bradley, R. (co-I), Swanson, J. (co-I), Abry, T. (co-I), & Thompson, M. S. (co-I). The Parent Coach Toolbox: An Innovative Professional

- Development Intervention to Enhance Head Start Families' Well-Being and Children's School Readiness. Submitted July 26, 2014 to the Department of Health and Human Services – Head Start University Partnerships: Dual-Generation Approaches program. Not funded.
Proposed award period: 7/1/2014 to 6/30/2019
Proposed amount: \$2,406,892 over 5 years (Thompson 10%)
- 2012 Valiente, C. (P.I.), Bradley, R. (P.I.), Roosa, M., Thompson, M. S., & Lopez, S., (Co-P.I.s). Mexican American Children's Early School Success: An Ecological Approach. Submitted to the National Institutes of Health (revised and resubmitted based on feedback; initial version submitted in 2011). Not funded.
Total Proposed Amount: \$ 3,482,290 over five years (Thompson 10%)
- 2011 Valiente, C. (P.I.), Bradley, R. (P.I.), Cooper, C., & Thompson, M. S., Lopez, S., & Roosa, M. (Co-P.I.s). Mexican American Children's Early School Success: An Ecological Approach. Submitted to the National Institutes of Health. Not funded.
Total Proposed Amount: \$ 3,266,936 over five years (Thompson 10%)
- 2010 Atwill, K. (P.I.), Blanchard, J. (Co-P.I.), & Thompson, (Co-P.I.). Tools of the Mind, Pre-K: Additional Activities and Scaffolds for Children with Hearing Impairment. Submitted to United States Department of Education – Institute for Education Sciences. Not funded.
Proposed Amount: \$ 146,121 for ASU share of grant (Thompson 50%)
- 2010 Valiente, C. (P.I.), Eisenberg, N., Spinrad, T., & Thompson, M. S. (Co-P.I.s). The roles of emotion, regulation, and peer context in children's achievement. Submitted to the National Science Foundation (larger version of project was later funded by NIH).
Proposed Amount: \$ 749,198 over four years (Thompson 5%)
- 2010 MacSwan, J. (P.I.), & Thompson, M. S. (Co-P.I.). Sequential Bilingualism in School Settings: The Role of Oral Language Development, Vocabulary, and Literacy in Rate of English Language Acquisition. National Institutes of Health.
Proposed Amount: \$ 3,000,000 over five years (Thompson 25%)
- 2006 MacSwan, J. (P.I.), & Thompson, M. S. (Co-P.I.). Individual Differences in Rate of Acquisition of English among Spanish Background Immigrant Children in the U. S. Revised following review with the National Institute of Child Health and Human Development.
Proposed Amount: \$ 3,000,000 over five years (Thompson 25%)
- 2004 Ramakrishna, B.L. (P.I.); Amazeen, E., Glaunsinger, W. S., Gorin, J. S., McBeath, M., Pizziconi, V. B., Ramakrishna, P., Razdan, A., Silberman, S., & Thompson, M.S. (Senior Investigators, listed alphabetically). *Optimization of Nanoscale Education*. National Science Foundation – ROLE Initiative.
Proposed Amount: \$1,750,000 over three years.
- 2003 Garcia, E. E., Wiley, T. G., & Thompson, M. S. The Implementation of Educational Reforms and the Impact on Language Minority Students in Arizona.

Proposal submitted to the Spencer Field-Initiated Studies grant program in the U.S. Department of Education, following successful review of preproposal. Proposed amount: \$346,000 for two years.

- 2002 Garcia, E. E., Wiley, T. G., Stritikus, T., MacSwan, J., & Thompson, M.S. The Implementation of Educational Reforms and English Language Learning Students: A Three-State Comparison. Preproposal submitted to the Spencer Field-Initiated Studies grant program in the U.S. Department of Education. Proposed amount: \$494,000 for two years.
- 2001 Combs, M. C., Moll, L., & Crawford, J. (Co-P.I.s); Thompson, M.S. & Green, S.B. (Methodological consultants/Research associates). *Assessing School Reform by Referendum: The Impact of Arizona's Proposition 203 on the Education of English Learners*. Submitted to the Field-Initiated Studies grant program in the U.S. Department of Education. Proposed Amount: \$1,720,000 over three years.
- 2001 Hackett, G. (P.I.); Anderson-Rowland, M., & Maienschein, J. (Co-P.I.s); Green, P., Grimm, N., Gutierrez, Houston, S., Lohr, S., Moore, A., Raupp, Reed, H., Ritchie, Si, J., Thompson, M. S., & Zatz, M. S. (Senior Investigators, listed alphabetically). *Advancing Women in the Sciences and Engineering*. Submitted to the National Science Foundation ADVANCE Program, May, 2001. Proposed Amount: \$3,750,000.
- 2000 Ramakrishna, B.L. (P.I.); Amazeen, E., Glaunsinger, W. S., McBeath, M., Pizziconi, V. B., Ramakrishna, P., Razdan, A., Silberman, S., & Thompson, M.S. (Senior Investigators, listed alphabetically). *Optimization of Nanoscale Education*. National Science Foundation – ROLE Initiative. Proposed Amount: \$2,240,194 over three years.

PROFESSIONAL PRESENTATIONS

Refereed Conference Presentations

- *Liu, Y. & Thompson, M. S. (April, 2020). The role of bifactor models in estimating the primary factor mean difference for ordinal data. Roundtable presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
<http://tinyurl.com/qscq44z> (Conference canceled due to COVID-19 pandemic)
- Gray, S., LARRC, & Thompson, M. S., (July, 2019). Equivalence of a unidimensional model of reading comprehension across young monolingual English and Spanish-English dual language learners. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Toronto, Canada.
- Cain, K., Currie, N., Davies, R., Gray, S., Bridges, M., Restrepo, M. A., & Thompson, M. S. (July, 2019). Comprehension monitoring in Grade 6: The influence of text and reader characteristics. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Toronto, Canada.

- *Kim, E., Eggum-Wilkens, N. D., Shiota, M. N., Bradley, R. H., & Thompson, M. S. (June, 2019). Conceptual and Methodological Issues in Children's Delay of Gratification. Poster presented at the conference of the Society for Qualitative Research in Psychology (SQIP), Boston, MA.
- O'Brien, J., Thompson, M. S., & Hagler, D. (September, 2018). Reliability of performance assessments in nursing using simulation. Poster presented at the biennial convention of the Arizona Nurses Association, Chandler, AZ.
- Spencer, T. D., Petersen, D. B., Restrepo, M. A., & Thompson, M. S., (July, 2018). The impact of Spanish-English multi-tiered intervention to promote academic language skills of preschoolers. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Brighton, England.
- Spencer, T., Petersen, D., Restrepo, M. A., & Thompson, M. S. (January, 2018). A multi-tiered Spanish and English narrative curriculum improves the language skills of dual language learners. Poster presented at the Institute of Education Sciences Annual Principal Investigators Meeting, Arlington, VA.
- Spencer, T., Petersen, D., Thompson, M. S., & Restrepo, M. A. (November, 2017). Child language interventions: Results of recent large-group and small-group efficacy research. Seminar presented at the annual meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
- Jimenez-Arista, L. E., Tracey, T. J. G., & Thompson, M. S. (August, 2017). Latent class analysis of psychotherapy trajectories and the relationship with interpersonal problems. Poster presented at the annual convention of the American Psychological Association, Washington, DC.
- Green, S. B., Xia, Y., Xu, Y., & Thompson, M. S. (April, 2017). Effect size statistics for factors in EFA: Making more nuanced decisions about the number of factors. Paper presented as a roundtable at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Del Cid, D., Spencer, T. D., Petersen, D. B., Restrepo, M. A., & Thompson, M. S. (March, 2017). Spanish and English curriculum improves the language skills of dual language learners. Poster presented at the annual Four Corners Association for Behavior Analysis conference, Flagstaff, AZ.
- O'Brien, J., Hagler, D., & Thompson, M. S. (September, 2016). Generating evidence for regulatory policy decisions. Poster presented at the annual conference of the American Academy of Nursing, Washington, DC.
- Thompson, M. S., Spencer, T., Petersen, D., & Restrepo, M. A. (July, 2016). The interchangeability of the Narrative Language Measures for English- and Spanish-speaking preschoolers: An analysis with methodological recommendations. Poster presented at the annual meeting of the Society for the Scientific Study of Reading, Porto, Portugal.

- Spencer, T., Petersen, D., Restrepo, M. A., & Thompson, M. S., (July, 2016). The effect of Spanish and English narrative intervention on the language skills of young dual language learners. Poster presented at the National Research Conference on Early Childhood, Washington, DC.
- Green, S. B., Xu, Y., & Thompson, M. S. (April, 2016). Relative accuracy of two modified parallel analysis methods that use the proper reference distribution. Poster presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Hernández, M. M., Eisenberg, N., Valiente, C., VanSchyndel, S., Spinrad, T. L. Silva, K. M., Berger, R. H., Diaz, A., Terrell, N., Thompson, M., & Southworth, J. (April, 2016). Emotions in school context, social relationships, and academic adjustment in kindergarten. Poster presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Petersen, D., Spencer, T., Thompson, M. S., & Restrepo, M. A. (November, 2015). Advances in Language Assessment and Intervention for Latino Preschoolers—The Narrative Language Measures: Progress monitoring of English and Spanish language development for preschoolers. Presentation at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
- Spencer, T., Thompson, M. S., Petersen, D., & Restrepo, M. A. (July, 2015). The Narrative Language Measures: Progress monitoring of English and Spanish language development for preschoolers. Presentation at the annual meeting of the Society for the Scientific Study of Reading, Kona, Hawaii.
- Kapantzoglou, M., Restrepo, M. A., Gray, S., Thompson, M. S., & Gorin, J. (June, 2015). Language ability groups: Changes in group membership depending on the assessment method. Paper presented in Assessment and Intervention session at the annual Symposium on Research in Child Language Disorders, Madison, WI.
- Berger, R.H., Valiente, C., Silva, K., VanSchyndel, S., Spinrad, T., Eisenberg, N., Southworth, J. & Thompson, M. (November, 2014). *Effortful control and early academic adjustment: The moderating role of classroom chaos*. Paper presented at the Occasional Temperament Conference, Lincoln, NE.
- Kapantzoglou, M., Restrepo, M. A., Gray, S., Thompson, M. S., & Gorin, J. (November, 2014). How are children grouped in an unclassified sample based on CELF-4 Spanish? A latent profile analysis. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Orlando, FL.
- O'Brien, J., Hagler, D., & Thompson, M. S. (September, 2014). A validation protocol for nursing simulation scenario development. Paper presented as a concurrent session at the National League for Nursing Education Summit, Phoenix, AZ.
- Kapantzoglou, M., Restrepo, M. A., Gray, S., Thompson, M. S., & Gorin, J. (June, 2014). Bilingual children with and without language impairment: Are there only two groups? Poster presented at the 35th annual Symposium on Research in Child Language Disorders, Madison, WI.

- Runnion, E., Ratiu, I., Restrepo, M. A., Gray, S., Gorin, J., & Thompson, M. S. (June, 2014). Comparing the measurement structure of a language screener between Spanish-speaking children with and without language impairment. Poster presented at the 35th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Liu, Y., & Thompson, M. S. (April, 2014). The impact of partial factorial invariance on between-group comparisons of latent means for a second-order factor. Roundtable presentation at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Green, S. B., Lai, K., Levy, R., Xu, Y., Yel, N., Thompson, M. S., Eggum-Wilkens, N., Kunze, K., Iida, M., & Reichenberg, R. (April, 2014). Assessing model similarity in structural equation modeling. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Lo, W.-J., & Thompson, M. S. (August, 2013). Investigating item wording effects and invariance for a parenting measure. Poster presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- Kube, E., Tracey, T. J. G., Thompson, M., & Green, S. (2013, August). Modeling motivation: Examining the structural validity of the Sport Motivation Scale-6 among runners. Poster presented at the annual convention of the American Psychological Association, Honolulu, Hawaii.
- Kapantzoglou, M., Restrepo, M. A., Gray, S., Thompson, M. S., & Gorin, J. (June, 2013). Latent language ability groups in bilingual children. Poster presented at the 34th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Runnion, E., Schlesinger, N., Restrepo, M. A., Gray, S., Gorin, J., & Thompson, M. S. (June, 2013). Measurement structure of linguistic and processing skills on a new measure to screen Spanish-speaking students. Poster presented at the 34th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Green, S. B., Thompson, M. S., Levy, R., & Redell, N. (May, 2013). Accuracy of revised parallel analysis for assessing dimensionality with ordered categorical response data. Presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Bryce, C. I., Field, R. D., Martin, C. L., Thompson, M. S., & Hanish, L.D. (April, 2013). Measurement invariance and same-sex aggression: A look at equivalent construct measurement between boys and girls. Poster presented at the Society for Research in Child Development conference, Seattle, WA.
- Van Vleet, B. B., & Thompson, M. S. (April, 2012). An investigation of power analysis in latent growth modeling. Presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.
- Green, S. B., Lo, W.-J., Thompson, M. S., & Levy, R. (April, 2012). A stepwise hypothesis-testing approach to assess the number of underlying factors: Revised parallel analysis as

an alternative to maximum likelihood testing. Presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.

- Kapantzoglou, M., Thompson, M. S., Restrepo, M. A., Gorin, J., & Gray, S. (June, 2011). Assessing Measurement Bias in Spanish Sentence Repetition and Morphology Tasks. Poster presented at the annual meeting of the Symposium on Research in Child Language Disorders, Madison, WI.
- Green, S. B., Levy, R., Thompson, M. S., Lu, M., Lo, W.-J., Svetina, D., Crawford, A., & Scott, L. (April, 2011). Use of completely random data to assess the number of factors with parallel analysis: An empirical evaluation of a conceptual flaw and its correction. Presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Thompson, M. S., Tragant, E., & Victori, M. (March, 2011). A structural model for foreign language learning motivation, strategies, and achievement. Presented at the annual meeting of the American Association for Applied Linguistics, Chicago, IL.
- Stockford, S. M., & Thompson, M. S. (May, 2010). Meta-analysis of intraclass correlation coefficients from multilevel models of educational achievement. Presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Tragant, E., & Victori, M., & Thompson, M. S. (May, 2010). Learning strategies, motivation and linguistic achievement in foreign language learners: A structural model. Presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Green, S. B., & Thompson, M. S. (May, 2010). Interpretation of parameters in models with composite factors. Presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Kapantzoglou, M., Restrepo, M. A., & Thompson, M. S. (November, 2009). Can dynamic assessment of word learning skills differentiate English language learners with and without language impairment? Presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.
- Restrepo, M. A., Thompson, M. S., Morgan, G., Smyk, K., & Kapantzoglou, M. (June, 2009). Vocabulary intervention in bilingual children with specific language impairment. Presented at the annual Symposium on Research in Child Language Disorders, Madison, WI.
- Lo, W.-J., & Thompson, M. S. (April, 2009). Using goodness-of-fit indices and alternative search procedures for identifying partial measurement invariance. Presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Crawford, A., Green, S. B., Levy, R., Lo, W.-J., Scott, L., Svetina, D. S., & Thompson, M. S. (authorship alphabetical; April, 2009). Evaluation of parallel analysis methods for determining the number of factors. Presented at the annual meeting of the American Educational Research Association, San Diego, CA.

- Iyer, R.V, Kochenderfer-Ladd, B., Eisenberg, N.E., & Thompson, M. S. (February, 2009). Linking emotion regulation to academic achievement: The role of children's peer relationships and school engagement. Presented at the annual meeting of the Society for Research on Child Development, San Diego, CA.
- Thompson, M. S., Tragant, E., & Victori, M. (August, 2008). The interplay between learning strategies, motivation and linguistic achievement in foreign language learners. Presented at the annual meeting of the International Association of Applied Linguistics, Essen, Germany.
- Chen, Y.-H., Gorin, J. S., Thompson, M. S., & Tatsuoka, K. (April, 2008). Subgroup comparisons of Taiwanese mathematics performance. Presented at the annual meeting of the American Educational Research Association, New York, New York.
- MacSwan, J., Thompson, M. S., de Klerk, G., & McAlister, K. (March, 2008). Facilitation theory and the time-on-task principle: A structural equation modeling analysis. Presented at the American Association for Applied Linguistics, Washington, DC.
- MacSwan, J., Thompson, M. S., de Klerk, G., & McAlister, K. (March, 2008). Beyond program effectiveness research: Explaining differences in English learners' academic achievement. Annual meeting of the California Association for Bilingual Education, San Jose, California.
- MacSwan, J., Thompson, M. S., de Klerk, G., & McAlister, K. (February, 2008). An empirical evaluation of theories underlying structured English immersion and bilingual education. Presented at the annual Language and Literacy Conference, Tempe, Arizona.
- MacSwan, J., Thompson, M. S., de Klerk, G., & McAlister, K. (May, 2007). Theory, research, and theory-driven research: Explanations of academic achievement differences among English language learners. Presented at the annual meeting of the University of California Linguistic Minority Research Institute, Tempe, Arizona.
- Chen, Y.-H., Gorin, J. S., Thompson, M. S., & Tatsuoka, K. (April, 2007). An alternative examination of Taiwanese mathematics achievement: Application of rule-space methodology to TIMSS-1999. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Green, S. B., Thompson, M. S., & Krieger, T. (April, 2007). Type I error and power of MANOVA: A comparison of traditional and SEM-based approaches. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Lo, W.-J., & Thompson, M. S. (April, 2007). A study of freshmen persistence using components of Tinto's model. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- O'Brien, J., & Thompson, M. S. (April, 2007). Medical students' intent to employ evidence-based medicine and their perceptions of its' effectiveness, efficiency, and use. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.

- Iyer, R., Kochenderfer-Ladd, B., Eisenberg, N., & Thompson, M. (March, 2007). Effortful control and peer interactions: Predictors of children's school adjustment? Presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Eisenberg, N., Michalik, N., Spinrad, T. L., Ladd, B., & Thompson, M., & Valiente, C. (March, 2007). Longitudinal relations among parental emotional expressivity and sympathy and prosocial behavior in adolescence. Presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Thompson, M. S., Gorin, J. S., Obeidat, K., & Chen, Y.-H. (April, 2006). Academic precursors of underrepresented groups in postsecondary education: Findings from multiple data sources. Presented at the annual meeting of the American Educational Research Association, San Francisco, California.
- Green, S. B., & Thompson, M. S. (April, 2006). Evaluating between-group differences in latent variable means. Presented at AERA-sponsored workshop at Annual Meeting of the American Educational Research Association.
- Chen, Y.-H., Gorin, J. S., Thompson, M. S., & Tatsuoka, K. (April, 2006). Verification of cognitive attributes required to solve the TIMSS-1999 mathematics items for Taiwanese students. Presented at the annual meeting of the American Educational Research Association, San Francisco, California.
- MacSwan, J., de Klerk, G., Thompson, M. S., & McAlister, K. (April, 2006). Beyond program effectiveness research: Explaining academic achievement differences among English language learners. Presented at the annual meeting of the American Educational Research Association, San Francisco, California.
- Gorin, J. S., Thompson, M. S., Obeidat, K., & Chen, Y.-H. (October, 2005). Using multiple data sources to support diversity research: Examining underrepresentation in postsecondary education. Presented at the annual meeting of the American Council on Education, Phoenix, Arizona.
- Thompson, M. S., & Lo, W.-J. (April, 2005). Assessing partial invariance with forward and backward search methods. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Yang, Y., Argo, A., Lo, W.-J., Chen, Y.-H., Krech, P., Mitchell, L., Green, S. B., Gorin, J., & Thompson, M. S. (April, 2005). Item analysis methods for emergent factors: A case study of a stress scale. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Bate, S. L., & Thompson, M. S. (April, 2005). Examining individual risk factors and full-day kindergarten as predictors of early reading achievement in the ECLS-K. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- de Klerk, G., Kuriakose, A., Obeidat, K., & Thompson, M. S. (April, 2005). The relationship between native language support and dropout status of Hispanic children. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.

- Chen, Y.-H., & Thompson, M. S. (October, 2004). Confirmatory factor analysis of a self-concept inventory. Presented at the annual meeting of the Arizona Educational Research Organization, Tempe, Arizona.
- Green, S. B., & Thompson, M. S. (April, 2004). Assessment of essential unidimensionality and the Schmid-Leiman transformation. Presented at the annual meeting of the American Educational Research Association, San Diego, California.
- Thompson, M. S., & Lewis, S. (February, 2004). Using national datasets to conduct educational research: Examining racial, ethnic, and language minority subpopulations. Presented at the Relevance of Assessment and Culture in Education conference, Tempe, Arizona.
- Thompson, M. S. (October, 2003). Secondary analysis of large data sets: Perks and pitfalls for educational researchers. Coordinator and chair of symposium presented at the annual meeting of the Arizona Educational Research Organization, Tempe, Arizona.
- Chen, Y.-H., & Thompson, M. S. (April, 2003). Relations among teacher expectancies, student perceptions of teacher oral feedback, and student self-concept: An empirical study in Taiwanese elementary schools. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Green, S. B., & Thompson, M. S. (April, 2003). Understanding discriminant analysis/MANOVA through structural equation modeling. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Lo, W.-J., & Thompson, M. S. (April, 2003). The Parental Bonding Instrument: A confirmatory factor analytic comparison of alternative models in a Taiwanese sample. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Osborn Popp, S., Ryan, J., Thompson, M. S., & Behrens, J. (April, 2003). Operationalizing the rubric: The effect of benchmark selection on the assessed quality of writing. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Thompson, M. S., Green, S. B., Stockford, S. M., Chen, Y.-H., & Lo, W.-J. (April, 2002). The .05 Level: The probability that the independent-samples *t* test should be applied? Presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- MacSwan, J., Stockford, S. M., Mahoney, K. S., Thompson, M. S., & DiCerbo, K. E. (April, 2002). Effective programs for English learners: A longitudinal study of academic achievement of children in bilingual and ESL programs. Presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Stockford, S., Lo, W.-J., Chen, Y.-H., Thompson, M. S., Green, S. B., & Yu, C. H. (October, 2001). Confronting the statistical assumptions: New alternatives for comparing groups. Presented at the annual meeting of the Arizona Educational Research Organization, Tempe, Arizona.

- Aasen, P. V., Horner, P. A., Thompson, M. S., Robinson-Kurpius, S. E., & Kerr, B. A. (August, 2001). Revised Feminist Identity Development Scale (FIDS): A factor analysis. Presented at the annual convention of the American Psychological Association, San Francisco, California.
- Thompson, M. S., Stockford, S., & Dicerbo, K. (April, 2001). Statistical models for student outcomes and variability among academies. Presented at the annual meeting of the American Educational Research Association, Seattle, Washington.
- Thompson, M. S., DiCerbo, K., Mahoney, K., & MacSwan, J. (February, 2001). ¿Exito en California? A critical appraisal of achievement trajectories under Proposition 227. Presented at the annual meeting of the National Association for Bilingual Education, Phoenix, Arizona.
- Thompson, M. S. (April, 2000). Investigating dependency at the classroom and school levels in educational research: A multilevel approach. Presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Tomoff, J., Thompson, M. S., & Behrens, J. (April, 2000). Measuring NCTM-recommended practices and student achievement with TIMSS. Presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Kemper, S., Thompson, M. S., & Marquis, J. G. (November, 1999). Longitudinal change in language production: Effects of aging and dementia on grammatical complexity and propositional density. Presented at the University of Southern California Speech Production Conference, Los Angeles, California.
- Thompson, M. S., & DeMark, S. (September, 1999). An introduction to structural equation modeling in educational research. Presented at the annual meeting of the Arizona Educational Research Organization, Flagstaff, Arizona.
- Thompson, M. S., & Green, S. B. (April, 1999). Replicability of model modifications resulting from specification searches in structural equation modeling: A case-study approach. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Green, S. B., & Thompson, M. S., & Poirer, J. (April, 1999). An adjusted Bonferroni method for elimination of parameters in specification addition searches. Presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Thompson, M. S., Green, S. B., & Poirer, J. (April, 1998). A Monte Carlo investigation of chi-square tests for assessing unidimensionality of binary items using structural equation modeling. Presented at the annual meeting of the American Educational Research Association, San Diego, California.
- Green, S. B., Thompson, M. S., & Babyak, M. A. (April, 1998). A Monte Carlo investigation of methods for controlling Type I errors with specification searches in structural equation modeling. Presented at the annual meeting of the American Educational Research Association, San Diego, California.

Green, S. B., Thompson, M. S., & Poirer, J. (April, 1998). An evaluation of Lagrange multiplier tests in specification searches. Presented at the annual meeting of the American Educational Research Association, San Diego, California.

Green, S. B., & Thompson, M. S. (March, 1997). A Monte Carlo investigation of methods for conducting specification searches in confirmatory factor analysis. Presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.

Other Conference Participation

Thompson, M. S. (May, 2010). Discussant in Structural Equation Modeling SIG session on mixture models at the annual meeting of the American Educational Research Association, Denver, CO.

Thompson, M. S. (May, 2010). Chair/moderator in Educational Statisticians SIG roundtable discussion session at the annual meeting of the American Educational Research Association, Denver, CO.

Thompson, M.S. (April, 2007). Program Chair of structural equation modeling special interest group and Chair of Division D paper session at the annual meeting of the American Educational Research Association, Chicago, IL.

Thompson, M.S. (April, 2006). Chair of educational statisticians special interest group and Division D paper sessions at the annual meeting of the American Educational Research Association, San Francisco, California.

Thompson, M.S. (April, 2002). Chair of structural equation modeling special interest group paper session at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.

Thompson, M. S. (Moderator), Ladd, B., Ferguson, J., & Brewer, L. (October, 2001). Moderator of a session for graduate students at the annual meeting of the Arizona Educational Research Organization, Tempe, Arizona. Preparing for a job search: AERO panel discussion for graduate students.

Thompson, M. S., & Behrens, J. T. (April, 2001). Organizers and co-chairs of a Division D symposium at the annual meeting of the American Educational Research Association, Seattle, Washington. Educational measurement and research in large-scale on-line instructional systems.

Thompson, M.S. (April, 2001). Chair of a Division D symposium presented at the annual meeting of the American Educational Research Association, Seattle, Washington. Educational applications of structural equation modeling and multidimensional scaling.

Nelsen, E. (Moderator), Ding, C., Horton, S., Reimer, K., & Thompson, M. S. (September, 1999). Panel member in a discussion for graduate students at the annual meeting of the Arizona Educational Research Organization, Flagstaff, Arizona. Confronting the job marketplace in educational psychology, testing, and research: A panel discussion.

Workshops and Other Presentations

- Thompson, M. S. (May, 2016). Life after science fair—Leveraging your science fair experience into life success. Invited panelist in Alumni Symposium Session at the 2016 Intel International Science and Engineering Fair, Phoenix, Arizona.
- Thompson, M. S. (September, 2014). Snapshot statistics: A romp through representations of data in the popular media. Presented in the Osher Lifelong Learning Institute lecture series, Arizona State University.
- Thompson, M. S., & Iida, M. (April, 2012). Rethinking quantitative methods curricula. Presented in the Measurement and Statistical Analysis brownbag series, T. Denny Sanford School of Social and Family Dynamics, Arizona State University.
- Thompson, M. S., & Green, S. B. (July, 2008). A brief introduction to structural equation modeling. Presented at the University of Barcelona, Barcelona, Spain.
- Thompson, M. S., Green, S. B., Stockford, S. M., Chen, Y.-H., & Lo, W.-J. (April, 2002). Applying newer parametric approaches to old parametric problems: Trimmed means, bootstrapping, and dominance statistics. Presented as an Educational Psychology brownbag seminar and as an ASU Psychology Department Quantitative Series seminar.
- Green, S. B., & Thompson, M. S. (March, 2002). Yes, it's a multivariate world, and I don't know how to deal with it! Presented as an Educational Psychology brownbag seminar and as an ASU Psychology Department Quantitative Series seminar.
- Thompson, M. S., & DiCerbo, K. (November, 2000). All the news that's fit to print? Another look at California test scores among limited English proficient students. Presented as an ASU Educational Psychology brownbag seminar.
- Fleming, K. K., Green, S. B., Marquis, J. G., Peyton, V., Thompson, M. S., & Wallace, D. (alphabetically; April, 1999). Conducting multilevel analyses using SAS PROC MIXED. Presented at the Institute for Life Span Studies, University of Kansas, Lawrence, Kansas.
- Behrens, G. A., Green, S. B., Hershberger, S. L., Marquis, J. G., Thompson, M. S., & Wallace, D. (alphabetically; March, 1998). Analysis of repeated measures and clustered-samples designs with mixed models. Presented at the Institute for Life Span Studies, University of Kansas, Lawrence, Kansas.
- Behrens, G. A., Green, S. B., Marquis, J. G., & Thompson, M. S. (alphabetically; April, 1997). The general linear model and how it is used in SPSS. Presented at the Institute for Life Span Studies, University of Kansas, Lawrence, Kansas.
- Akey, T., Behrens, G. A., Green, S. B., Hershberger, S. L., Marquis, J. G., & Thompson, M. S. (alphabetically; March, 1996). Multiple hypothesis testing. Presented at the Institute for Life Span Studies, University of Kansas, Lawrence, Kansas.
- Behrens, G. A., Fleming, K., Marquis, J. G., & Thompson, M. S. (alphabetically; January, 1996).

Creating graphical displays and slides using SPSS. Presented at the Institute for Life Span Studies, University of Kansas, Lawrence, Kansas.

INSTRUCTION and MENTORING

Courses Taught at Arizona State University (*denotes new course I created)

Graduate

EDP 502: Introduction to Quantitative Methods
 EDP 552: Correlation and Multiple Regression
 EDP 554: Analysis of Variance
 EDP 652: Multivariate Procedures in Data Analysis
 EDP 654: Structural Equation Modeling in Educational Research*
 EDP 691: Statistical Analysis of Large Data Sets*
 CDE 591: Exploratory and Confirmatory Factor Analysis*
 CDE 591: Structural Equation Modeling for the Social Sciences*
 FAS 508: Structural Equation Analysis

Undergraduate

SOC 390: Social Statistics I

- Student ratings of my teaching range from 4.6 to 4.9 on a 5-point scale for the survey evaluation items, averaged across all courses I have taught at ASU.
- I received the College of Education Dean's Award for Excellence in Teaching in 2003.
- I was nominated for the ASU Graduate College Outstanding Doctoral Mentor Award in 2018.

Mentoring/Advisement

The following table contains a list of doctoral committees and master's committees that I have either chaired/co-chaired or served on as a committee member. Committees that are currently in progress are designated IP. Among the nine doctoral students I have chaired to completion, four are in tenure-track faculty positions at major universities, three are employed in non-tenure track university positions, and two chose research and consulting positions.

Year	Name of Student	Degree Program
<i>Doctoral Dissertations Chaired/Co-chaired* (10 completed)</i>		
2019	Yixing Liu	Ed. Psych. – Measurement & Statistics
2014	Janet O'Brien*	Ed. Psych. – Measurement & Statistics
2011	Bethany Van Vleet	Ed. Psych. – Measurement & Statistics
2011	Kimberly Beckert*	Higher Education (Ed.D.)
2009	Shawn Stockford	Ed. Psych. – Measurement & Statistics
2009	Bryant Jensen*	Ed. Psych – School Psychology
2008	Wen-jo Lo	Ed. Psych. – Measurement & Statistics
2007	Sheri Lewis Bate	Ed. Psych. – Measurement & Statistics
2007	Khawla Obiedat	Ed. Psych. – Measurement & Statistics
2006	Yi-hsin Chen*	Ed. Psych. – Measurement & Statistics

Doctoral Dissertations – Committee Member (66 completed; 10 in progress)

2020	Melissa Frammer Black	Communications
2019	Danielle Seay	Family and Human Development
2018	Lourdes Nieto	Speech and Hearing
2018	Ray Reichenberg	Family and Human Development – MASA
2018	Yuning Xu	Ed. Psych. -- Measurement & Statistics
2018	Yanqin Liu	Communications
2017	Elizabeth Runnion	Speech and Hearing
2016	Katie Kunze	Ed. Psych. -- Measurement & Statistics
2016	Wonsik Kim	Ed. Psych. -- Learning
2016	Dominic Primé	Counseling Psychology
2016	Chelsea Derlan	Family and Human Development
2015	Derek Fay	Ed. Psych. -- Measurement & Statistics
2015	Hae Sung Im	C & I: Early Childhood
2015	Erin Kube	Counseling Psychology
2015	Crystal Bryce	Family and Human Development
2014	Phil Arcuria	Ed. Psych. -- Measurement & Statistics
2014	Sara Seyed Nozadi	Family and Human Development
2014	Aaron Crawford	Ed. Psych. -- Measurement & Statistics
2012	Pamela Garrett	Ed. Psych. -- Measurement & Statistics
2012	Alec Brown	Ed. Psych. -- School Psychology
2012	Maria Kapantzoglou	Speech and Hearing
2012	Matt Savage	Communications
2012	Douglas Deiss	Communications
2011	Genevieve Smith Bohac	Ed. Psych. -- School Psychology
2011	Joseph "Ridge" Millett	Ed. Psych. -- Learning
2011	Miranda Kucera	Ed. Psych. -- School Psychology
2011	Anju Kuriokose	Language and Literacy
2010	Nathan White	Counseling Psychology
2010	Jennifer Eden	Communications
2010	Justin Boren	Communications
2009	Annegret Hannawa	Communications
2009	Heather Terrell	Psychology
2009	Beth Babin-Gallagher	Communications
2009	Emily Thompson	Educational Technology
2009	Jennifer Skarpetowski	Ed. Psych. -- School Psychology
2009	Maria Kapantzoglou	Speech and Hearing
2008	Claire Markham Clifford	Ed. Psych. -- Lifespan Developmental Psychology
2007	Myeongsoon Yoon	Psychology
2006	Alan Mikkelson	Communications
2006	Amy Scott	Ed. Psych. -- School Psychology
2006	Roopa Iyer	Ed. Psych. -- Lifespan Developmental Psychology
2005	Mary Ruth Hackett	Ed. Psych. -- Lifespan Developmental Psychology
2005	Nicole Michalik	Ed. Psych. -- Lifespan Developmental Psychology
2005	Natasha Maynard-Reid	Counseling Psychology
2005	Pen-Chiang (Ben) Chao	Special Education
2005	Pamela Frazier	Ed. Psych. -- School Psychology
2004	Asmaa Shbeer	Curriculum and Instruction
2004	Tiffany Forbis	Ed. Psych. -- School Psychology

2004	Jennifer Hirman	Educational Leadership and Policy Studies
2003	Kristin DiCerbo	Ed. Psych. -- School Psychology
2003	Traci Williams	Ed. Psych. -- School Psychology
2003	Kathleen Kiley Wade	Ed. Psych. -- School Psychology
2003	Kate Mahoney	Curriculum and Instruction
2002	Craig Albers	Ed. Psych. -- School Psychology
2002	Bryan Palmer	Ed. Psych. -- Measurement & Statistics
2002	Susan Dawson	Ed. Psych. -- School Psychology
2002	Annette Parkerson	Ed. Psych. -- Lifespan Developmental Psychology
2002	Barry Thompson	Ed. Psych. -- Measurement & Statistics
2002	Theresa Kovalski	Counseling Psychology
2002	Debbie Leedy	Science Education/Chemistry Education
2002	Daniel Uribe	Educational Technology
2001	Aisling Leavy	Curriculum and Instruction – Math Ed./Elem. Ed.
2001	Tara Jennings	Ed. Psych. -- Measurement & Statistics
2001	Jennifer Eppinger-Gatt	Ed. Psych. -- School Psychology
2001	John Dugan	Ed. Psych. -- Measurement & Statistics
2001	Sharon Osborn Popp	Ed. Psych. -- Measurement & Statistics
1999	Joan Tomoff	Ed. Psych. -- Measurement & Statistics
	Danielle Desfosses	Family and Human Development (comps pre-proposal 5/22/2018; comps defenses 10/17/18 and 2/18/19; diss proposal 11/6/19)
	Peng Pan	Communications
	Annie Gallagher	Family and Human Development (diss to be proposed week of 10/20/19)
	Denise Capasso da Silva	Civil, Environmental and Sustainable Engineering
	Eunjung Kim	Family and Human Development (comps pre-proposal 5/22/2018; comps defenses 10/17/18 and 2/18/19)
	Julia Houston	Education – Learning, Literacies, and Technology (proposed 1/10/2017)
	Anna Marie Campbell	Communications (comps 5/3/2017)
	Danielle Desfosses	Family and Human Development (pre-proposal 5/11/2017; comps 6/23/2017, 10/16/2017)
	Nora Schlesinger	Speech and Hearing (comps passed, proposed)

Master's Theses and Applied Projects (AP) Chaired/Co-chaired* (14 completed; 0 in progress)

2017	Yixing Liu	Ed. Psych. -- Measurement & Statistics
2016	Anna George (AP)	Ed. Psych. -- Measurement & Statistics
2013	Nicole Speranza (AP)	Ed. Psych. -- Measurement & Statistics
2013	Ray Reichenberg*	Ed. Psych. -- Measurement & Statistics
2013	Maria Kapantzoglou	Ed. Psych. -- Measurement & Statistics
2012	Erin Kube*	Ed. Psych. -- Measurement & Statistics
2012	Phil Arcuria	Ed. Psych. -- Measurement & Statistics
2011	Solomon Aggrey	Ed. Psych. -- Measurement & Statistics

2011	Bethany Van Vleet	Ed. Psych. -- Measurement & Statistics
2008	Janet O'Brien*	Ed. Psych. -- Measurement & Statistics
2007	Sheri Lewis	Ed. Psych. -- Measurement & Statistics
2004	Wen-jo Lo	Ed. Psych. -- Measurement & Statistics
2004	Shawn Stockford	Ed. Psych. -- Measurement & Statistics
2003	Michael Harris	Ed. Psych. -- Measurement & Statistics
	Ingrid Zamudio-Milano	Ed. Psych. -- Measurement & Statistics

Master's Theses, Applied Projects (AP), Portfolio Projects (PP) – Committee Member (29 completed; 0 in progress)

2017	Kevin Korous	Family and Human Development (PP)
2017	Annabella Gallagher	Family and Human Development
2016	Carla Wall	Family and Human Development
2015	Janet Krause	Ed. Psych. -- Measurement & Statistics
2012	Kerry Mitchell	Ed. Psych. -- Measurement & Statistics (AP)
2012	Jillian Smith	Family and Human Development
2011	Idean Ettekal	Family and Human Development
2011	Vanessa Gaio	Ed. Psych. -- School Psychology
2011	Diana Barela	Sociology (AP)
2011	Joseph Mahoney	Ed. Psych. -- School Psychology
2010	Lisa Mitchell	Ed. Psych. -- Measurement & Statistics
2009	Selena Nakano	Ed. Psych. -- School Psychology
2009	Lietta Scott	Ed. Psych. -- Measurement & Statistics
2009	Rico Rivera	Ed. Psych. -- Measurement & Statistics
2008	Sandi Dial	Ed. Psych. -- School Psychology
2008	Pamela Garrett	Ed. Psych. -- Measurement & Statistics
2008	Jonathan Hilpert	Ed. Psych. -- Learning
2007	Paul Krech	Ed. Psych. -- Measurement & Statistics
2006	Stacey Weber	Ed. Psych. -- School Psychology
2005	Dalia Rostenberg	Ed. Psych. -- School Psychology
2004	Matt Heerman	Ed. Psych. -- Learning
2004	Amy Scott	Ed. Psych. -- School Psychology
2002	Willy Perkins	Counseling Psychology
2001	Kathleen Kiley	Ed. Psych. -- School Psychology
2001	Tiffany Forbis	Ed. Psych. -- School Psychology
2001	Anne Kleinschmidt Ingram	Ed. Psych. -- School Psychology
2001	Pamela Frazier	Ed. Psych. -- School Psychology
2000	Cameron Dyck	Recreation, Tourism, and Management
1999	Kristin DiCerbo	Ed. Psych. -- School Psychology

Barrett Honors Theses – Committee Member (1 in progress)

	Allison Charles	Engineering (prospectus approved 2018; data meeting 1/25/19; defense 3/27/19)
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PROFESSIONAL SERVICE

National

2019	Invited reviewer for proposed data analysis book, Sage Publications
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- 2017 Invited external reviewer for tenure and promotion to Professor
- 2017 Invited external reviewer for tenure and promotion to Professor
- 2017 Invited reviewer for proposed structural equation modeling book, Sage Publications
- 2016 Invited external reviewer for tenure and promotion to Professor
- 2015 Invited external reviewer for tenure and promotion to Assoc. Professor
- 2015 Invited external reviewer for tenure and promotion to Assoc. Professor
- 2014 Invited external reviewer for tenure and promotion to Assoc. Professor
- 2013 Reviewer for National Science Foundation SES – Methodology, Measurement, and Statistics Grants program
- 2012 – 2013 Chair of the AERA Division D Early Career Award Committee
- 2012 Invited external reviewer for appointment at rank of Assoc. Professor
- 2011 Reviewer for National Science Foundation REESE Grants program
- 2010 – 2012 Invited member of the AERA Division D Early Career Award Committee
- 2006 – 2007 Elected Chair and Program Co-chair (for 2007 AERA conference) of the Structural Equation Modeling special interest group of the American Educational Research Association
- 2005 – 2006 Elected Vice-chair of the Structural Equation Modeling special interest group of the American Educational Research Association
- 2005 – 2006 Invited member of Nominations/Elections Committee for the Educational Statisticians special interest group of the American Educational Research Association

Editorial Activities

I have been an invited ad hoc reviewer for the following journals and conferences.

- Psychological Methods*
- Child Development*
- Child Development Perspectives*
- Multivariate Behavioral Research*
- Structural Equation Modeling: A Multidisciplinary Journal*
- American Educational Research Journal*
- Educational and Psychological Measurement*
- Journal of Counseling Psychology*

Journal of Experimental Education
Educational Evaluation and Policy Analysis
Child Abuse and Neglect
Educational Research and Evaluation
Learning and Individual Differences
Teaching and Teacher Education
Journal of Research in Science Teaching
The American Journal of Mental Retardation
Leisure Sciences: An Interdisciplinary Journal
The Journal of General Education
AERA National Convention – Division D, Structural Equation Modeling SIG, and
Educational Statisticians SIG

Reviewer for revision proposal of Barbara Byrne's *Structural Equation Modeling with EQS, 3rd Edition* (Fall, 2012).

Advisory Editor for: Salkind, N. (Ed.). (2006). *Encyclopedia of human development*. Thousand Oaks, CA: Sage Publications.

Reviewer of proposal for multivariate statistics text (Addison-Wesley, 1999).

Arizona State University

- 2019 Member of Search Committee for Director of the T. Denny Sanford School of Social and Family Dynamics
- 2018 – 2019 ASU Mentor, Better Together Challenge, Phoenix Union Wilson College Prep
- 2018 – 2019 Co-leader, Sanford School Life After Initiative
- 2017 – 2018 Chair of Search Committee for Assistant Professor of Quantitative Sociology, T. Denny Sanford School of Social and Family Dynamics
- 2015 – 2018 Chair of Leadership Committee, T. Denny Sanford School of Social and Family Dynamics
- 2015 – 2019 Associate Director, T. Denny Sanford School of Social and Family Dynamics
- 2011 – 2019 Coordinator of Measurement and Statistical Analysis (MASA) Specialization, T. Denny Sanford School of Social and Family Dynamics
- 2016 Judge for Graduate Research Poster Session, Institute for Social Science Research
- 2015 – 2016 Chair of Search Committee for Assistant Professor of Intervention Science, T. Denny Sanford School of Social and Family Dynamics
- 2015 – 2016 Chair of Search Committee for Assistant Professor of Social Network Analysis, T. Denny Sanford School of Social and Family Dynamics

- 2011 – 2012 Member of Search Committee for Longitudinal Methods/Socio-emotional Development position, School of Social and Family Dynamics
- 2011 – 2012 Member of Search Committee for Postdoc in Measurement and Statistical Analysis, School of Social and Family Dynamics
- 2010 – 2012 Member of Leadership Committee, School of Social and Family Dynamics
- 2010 – 2011 Member of Search Committee for Quantitative/Child Health position, School of Social and Family Dynamics
- 2010 – 2011 Coordinator of committee to develop Quantitative Methods emphasis, School of Social and Family Dynamics
- 2010 – 2011 Mentor for undergraduate student in ASU's Obama Scholars Program
- 2000 - 2011 Coordinator of EDCARE laboratory (Educational Data Communication, Analysis, Research, and Evaluation)
Major responsibilities include writing and administration of grants, coordination of research projects, and hiring and supervision of graduate students. EDCARE is supported largely by external funding. Activities include applied data analysis, methodological research, technical assistance, and service for education-related projects involving ASU faculty and students, public school personnel, and researchers from other institutions and corporations. The lab also serves as a vehicle for conducting academic research and training graduate students in the Measurement, Statistics, and Methodological Studies program.
- 2009 – 2010 Faculty mentor for Asst. Professor Amanda Sullivan
- 2009 – 2010 Member of Personnel Committee, Division of Advanced Studies in Learning, Technology, and Psychology in Education
- 2009 Member of Search Committee for Executive Dean of Mary Lou Fulton Institute & Graduate School of Education
- 2009 – 2010 Headed development of Bylaws and Policies & Procedures for newly restructured Mary Lou Fulton Institute & Graduate School of Education
- 2009 – 2010 Acting President of Faculty Assembly in the College of Education
- 2008 – 2009 President of Faculty Assembly in the College of Education
- 2009 (spring) Curriculum Summit Facilitator for College of Teacher Education and Leadership
- 2008 – 2009 Member of Search Committee for Asst./Assoc./Full Professor in School Psychology
- 2008 – 2009 Member of Critical Responders Committee, Reinvisioning Teacher Education in the Mary Lou Fulton College of Education

- 2007 – 2008 President-Elect of Faculty Assembly in the College of Education
- 2006 – 2009 Member of College Council
- 2006 – 2009 Member of Personnel Committee, Division of Psychology in Education
- 2007 (fall) Co-chair of College Program Committee
- 2006 - 2007 Member of Search Committee for Director, Division of Psychology in Education
- 2006 - 2007 Program Coordinator, Measurement, Statistics, and Methodological Studies
- 2005 - 2006 Member of Search Committee for Asst./Assoc. Professor in Measurement, Statistics, and Methodological Studies
- 2002 - 2005 Member of Educational Psychology Scholarship Committee
- 2002 - 2003 Member of Ad Hoc Committee to Plan an Undergraduate Degree in Educational Psychology
- 2002, 2003 Guest panelist and workshop leader for Spencer Scholar Seminar, Sociocultural Perspectives on Educational Equity
- 2002 Member and Affirmative Action Representative on Search Committee for Lecturer in Curriculum and Instruction
- 2001 - 2002 Member and Affirmative Action Representative on Search Committee for Assistant/Associate/Full Professor of Measurement, Statistics, and Methodological Studies
- 2000 - 2002 Member of Educational Psychology Curriculum Committee
- 2000 - 2004 Trained Affirmative Action Representative
- 2001 - 2002 Chair of Planning Committee and Coordinator of the College of Education's Saturday Seminar Series
- 2000 - 2002 Member of Administrative Board for the Center for Research on Education in Science, Mathematics, Engineering and Technology (CRESMET)
- 2000 - 2001 Member of Planning Committee for the College of Education's Saturday Seminar Series
- 2000 - 2001 Member of Search Committee for Assistant/Associate Professor of Measurement, Statistics, and Methodological Studies
- 1999 - 2000 Program Coordinator, Measurement, Statistics, and Methodological Studies

1999 - 2000 Member of College of Education Technology Committee

Community

2018 – 2019 Volunteer, American Cancer Society Relay for Life

2018 – 2019 Volunteer, Pancreatic Cancer Action Network

2011 – 2018 Board of Trustees (Chair, 2016-2018; Chair-Elect 2015-2016; Secretary 2014-2015, 2016; Member 2011-2014), Summit School of Ahwatukee

2014 – 2015 Member of Search Committee for Head of School, Summit School of Ahwatukee

2015 Member of Two Search Committees for Elementary and Middle School Teachers, Summit School of Ahwatukee

2014 Member of Search Committee for Counselor, Summit School of Ahwatukee

2012 Member of Search Committee for 5th-grade teacher, Summit School of Ahwatukee

2002 - 2003 Arizona Educator Assessment Advisory Committee
Arizona Department of Education committee that reviews the use of teacher certification examinations and makes recommendations for implementation to the Department of Education.

Training Seminars Attended (competitively funded by agency if noted)

2014 Advances in Multilevel Modeling for Education Research: Addressing Practical Issues Found in Real-world Applications, along with preconference workshop Cross-classified and Multiple-membership Models. College Park, Maryland.

2003 Using the NELS:88 Database for Research and Policy Discussion, sponsored by the National Center for Education Statistics. Potomac, Maryland.

1999 AERA Advanced Institute on HLM for Education Policy Research, sponsored by AERA. Montreal, Quebec, Canada.

1998 NSF Data Institute, sponsored by the Association for Institutional Research. Washington, DC.

1998 AERA Grants Program Institute on Statistical Analysis for Education Policy, sponsored by AERA. San Diego, California.