

CURRICULUM VITAE
J. Kyle Roberts, Ph.D.

I. GENERAL BIOGRAPHICAL INFORMATION

A. Personal Information

Personal

Simmons School of Education & Human Development
Southern Methodist University
6401 Airline Rd Suite 301
Dallas, TX 75205
Phone: 214-768-2346 Email: kycler@smu.edu

Education

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| Bachelor of Science (Youth Ministry) Abilene Christian University (Abilene, Texas) | 1995 |
| Master of Religious Education Trinity Evangelical Divinity School (Deerfield, Illinois) | 1997 |
| Doctor of Philosophy (Education/psychology) | |

A. Publications
Full Papers

Other Full Papers

Refereed Articles (In Press)

Refereed Articles (Under Review)

Nimon, K., Roberts, J. K., Henson, R. *Using fit indices to holistically assess*

Roberts, J. K. & Herrington, R. (2007). Demonstration of software programs for estimating multilevel measurement model parameters. In E. V. Smith & R. M. Smith (Eds.), *Rasch and Multilevel Measurement Models* Maple Grove, MN: JAM Press

Roberts, J. K. (1999). Canonical redundancy (Rd) coefficients: They should (almost never) be computed and interpreted. In B. Thompson (Ed), *Advances in Social Science Methodology (Vol. 5)* (pp. 333-341). Stanford, CT: JAI Press.

B. Research Support (direct costs listed)

1. *Bachman Early Childhood Initiative*, Co-PI – Zero to Five Funders Collaborative, August, 2010 – August, 2014. ~\$800,000.
2. *The Effect of Computer Assisted Tier 2 Assessment and Intervention as Part of a Response to Intervention Model*, Co-PI – US Department of Education, August 1, 2009 – July 31, 2011, \$848,904.
3. *Online Science Teacher Professional Development: Optimization of Asynchronous Learning Models*, Co-PI – National Science Foundation, grant DRL – 0723433, September 1, 2007 – August 31, 2010, \$590,044.
4. *The Environment as a Context for Opportunities in Schools*, Research Coordinator – NIH/National Institute for Environmental Health Sciences, grant R25 ES10698-01, September 15, 2000 – August 31, 2007, \$1,348,482.
5. *Bioscience Inspiration and Opportunities for Students*, Research Coordinator NIH/National Heart, Lung, and Blood Institute, grant R25 HI075747, October 1, 2003 – September 30, 2008, \$1,340,336.
6. *MicroMatters*, Research Coordinator Science Education Partnership Award grant R25 RR018605, July 1, 2003 – June 30, 2008, \$1,618,008.
7. *Science Education Leadership Fellows Project*, Research Coordinator Howard Hughes Medical Institute grant, October 1, 1999 – September 30, 2003, \$539,714.
8. *From Outer Space to Inner Space*, Research Coordinator National Space Biomedical Research Institute grant NCC958, \$226,093.
9. *Filling the Gaps: K-6 Science/Health Education*, Research Coordinator – National Institutes of Health, National Center for Research Resources (NCRR) grant R25 RR13454, July 1, 1998 – June 30, 2001, \$632,444.
10. *Baylor Science Leadership Program*, Research Coordinator National Science Foundation/Houston Independent School District subcontract.
 June 1, 1999 – May 31, 2000, \$185,000
 June 1, 2000 – May 31, 2001, \$210,000

11. *Beyond Bridging the Gap: Implementing a Model for Participatory Research and Development*, Research Coordinator – U.S. Department of Education, 1996 – 1999, \$500,000.

C. National Participation

Journal Editorial Boards

2009-2012 Editorial Board for *Annals of Dyslexia*

2007-2009 Editorial Board for *Educational and Psychological Measurement*

2003-2007 Editorial Board for *American Educational Research Journal*

2003-2007 Editorial Board for *Journal of Applied Educational Technology*

2000-2007 Editorial Board for *Research in the Schools*

2001-2006 Ad hoc editor for *Educational and Psychological Measurement*

2004-2005 Ad hoc editor for *Journal of Applied Measurement*

2001-2003 Ad hoc editor for *American Educational Research Journal*

2000-2002 Co-Editor for

session presented at the annual meeting of the Southwest Educational Research

Moreno N. P. & Roberts, J. K. (December, 2005) *Evaluation approaches for education partnerships*. Invited presentation at Virginia Polytechnic Institute and

Roberts, J. K. & Moreno, N. P. (April, 2006). *Self-efficacy instruments as retrospective measures of change: Answering plaguing questions*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Roberts, J. K. (April, 2005). *Datasets illustrating specific strengths of hierarchical linear modeling*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.

Moreno, N. P., Roberts, J. K., & Denk, J. (March, 2005). *Evaluation strategies for K-12 university partnerships*. Paper presented at the annual meeting of the National Science Teachers Association, Dallas, TX.

Roberts, J. K. & Monaco, J. P. (August, 2004). *Effect size measures in the hierarchical linear modeling framework*. Paper presented at the annual meeting of the American Psychological Association, Honolulu, Hawaii.

Roberts, J. K. (April, 2004). Chair – *Multilevel and hierarchical linear modeling*. Presentation at the annual meeting of the American Educational Research Association, San Diego, CA.

Roberts, J. K. (April, 2003). *What do we do with multilevel and hierarchical linear models concerning effect size reporting (a.k.a, how much is/isn't there)?* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Roberts, J. K. & Moreno, N. P. (April, 2003). *Teacher self-efficacy is NOT enough!! The problem of interpreting measures of teacher self-efficacy apart from other measures of teacher performance*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Herrington, R. & Roberts, J. K. (April, 2003). *Robust estimates of power and effect size using the bootstrap and M-estimators*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

St.Clair, S. & Roberts, J. K. (April, 2003). *The nested bootstrap applied to the generalizability theory framework*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Holder, D. & Roberts, J. K. (June, 2002). *Web-based surveys: A comparison to paper-based tests*. Paper presented at the annual meeting of the Association for the Advancement of Computing in Education at the World Conference on Educational Multimedia, Hypermedia, and Telecommunications.

Roberts, J. K. & Fan, X. (April, 2002). *Bootstrapping within the multilevel/hierarchical linear modeling framework: A primer for use with MLwiN and SAS*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.

Roberts, J. K. (April, 2002). *Development and Validation of an Instrument to Investigate Science Teachers' Perceptions of Teaching Efficacy*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.

Roberts, J. K. & Henson, R. K. (April, 2001). *A confirmatory factor analysis of a new measure of teacher efficacy: Ohio State Teacher Efficacy Scale*. Paper presented at the annual meeting of the American Educational Research Association, Seattle. (ERIC Document Reproduction Service No. TM032791)

Roberts, J. K. & Onwuegbuzie, A. J. (April, 2001). *Computing statistics to investigate (and correct) alpha in the presence of homogeneous subsamples*. Paper presented at the annual meeting of the American Educational Research Association, Seattle. (ERIC Document Reproduction Service No. TM032785)

Knight, S. L., Boudah, D., & Roberts, J. K. (April, 1999). *The efficacy and effectiveness of collaborative research in high schools: Lessons learned*. Invited paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.

Refereed Presentations at Regional Conferences

Roberts, J. K. & Nimon, K. F. (February, 2012) *A software solution for conducting logistic commonality analysis*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

Martin, L. & Roberts, J. K. (February, 2009) *Bootstrapping, jackknifing, and especially jackstrapping for resampling*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.

Nimon, K. & Roberts, J. K. (February, 2009) *A software solution for conducting canonical commonality analysis*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.

Roberts, J. K., Cheatham, J., Martin, L., & Weiser, B. (February, 2008) *Using R to conduct exploratory data analysis*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

Cheatham, J., Allor, J., & Roberts, J. K. (February, 2008) *Maximizing literacy outcomes for students with mental retardation*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

Moreno, N. P., Tharp, B., & Roberts, J. K. (February, 2007). *Inquiry teaching leading to improved science achievement: Two models*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.

Denton, J. J., Davis, T. J., Smith, B. L., Beason, L., Roberts, J. K., & Strader, R. A. (February, 2007). *Examination of applicant profiles for admission and completion of an online secondary teacher certification program*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.

Roberts, J. K. & Henson, R. K. (February, 2006). *Bayesian methods for the calibration of p-values for testing precise null hypotheses*. Paper presented at the annual meeting of the Southwest Educational Research Association, Austin, TX.

Denton, J. J., Roberts, J. K., Davis, T. J., Smith, B. L., Beason, L., & Graham, D. (February, 2006). *Comparison of factor structure and conceptual structure of intern classroom assessment instrument*. Paper presented at the annual meeting of the Southwest Educational Research Association, Austin, TX.

Denton, J. J., Davis, T. J., Smit

Roberts, J. K., Ph.D.