

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: kyler@smu.edu

Education

Bachelor of Science (Youth Ministry) 1995
Abilene Christian University (Abilene, Texas)

Master of Religious Education 1997
Trinity Evangelical Divinity School (Deerfield, Illinois)

Doctor of Philosophy (Education/psychology)

University of North Texas (Denton, Texas)	
Research Associate Center for Educational Outreach Baylor College of Medicine (Houston, Texas)	1999 – 2001
Lecturer, Department of Educational Psychology Texas A&M University	1997 – 1998
Visiting Lecturer, Department of Education Texas A&M University, Galveston Campus	1998
C. Other Advanced Training/Experience	
NAEP Database Use for Research and Policy Analysis National Center for Educational Statistics	2000
Multilevel and Hierarchical Linear Modeling Training done by Dr. Harvey Goldstein London Institute of Education	1999
D. Other Information	
Honors/Awards	
Outstanding Reviewer for the <i>American Educational Research Journal</i> editorial board	2005
Outstanding Student in the Field of Religious Education Trinity Evangelical Divinity School	1997
Women for ACU Scholarship Recipient	1991 – 1995

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.