

Kelly D. Bradley, Ph.D.
Associate Professor; Department of Educational Policy Studies & Evaluation

University of Kentucky, 131 Taylor Education Building, Lexington, KY 40506-001
Professional email: kbrad2@uky.edu
Website: www.uky.edu/~kbrad2

Education

- 2002 Ph.D. The Ohio State University, Columbus, OH
 Quantitative Research, Evaluation, and Measurement in Education
- 1999 M.S. University of South Carolina, Columbia, SC
 Statistics
- 1996 B.S., B.A. Fairmont State College, Fairmont, WV
 Mathematics, Sociology, Mathematics Education (5 – 12)

Certifications/Licensures

Mathematics; 5 – 12 Teaching Certificate West Virginia

Professional Experience

- 2008 – Associate Professor (appointment July 1, 2008)
2002 – 2008 Assistant Professor
 Department of Educational Policy Studies and Evaluation
 University of Kentucky
 Lexington, KY
- 1999 – 2002 Adjunct Faculty
 Department of Mathematics
 DeVry University
 Columbus, OH
- 1999 – 2001 Research Assistant
 Educational Research, Evaluation, and Measurement
 Data Analysis and Consultation Service
 The Ohio State University
 Columbus, OH
- 1998 – 1999 Adjunct Instructor
 Department of Mathematics
 Midlands Technical College
 Columbia, SC

Professional Experience (continued)

- 1997 – 1999 Teaching Assistant; Research Assistant; Evening School Instructor
Department of Statistics
University of South Carolina
Columbia, SC
- 1997 – 1999 Substitute Teacher
1996 – 1997 Assistant Basketball Coach, Sissonville High School
Kanawha County Board of Education
Charleston, West Virginia
- Summer 1996 Director of Evaluations and Applications
West Virginia Center for Professional Development
Charleston, West Virginia

Publications [Note: * denotes graduate student, #denotes past graduate student]

Peer-Reviewed Articles

- Hasford, J* . and **Bradley, K.D.** (Accepted for publication). Validating Measures of Self Control via Rasch Measurement. *Journal of Applied Business Research*.
- Clasey, J. L., **Bradley, K. D.**, Bradley, J. W., Long, D. E., & Griffith, J. R.. (2011). A new BIA equation estimating the body composition of young children. *Obesity* (advance online publication, 16 June 2011).
- Royal, K. D.#, Eli, J.# & **Bradley, K. D.** (2010). A pilot study exploring community college faculty perceptions regarding student outcomes. *Community College Journal of Research and Practice* 34 (7) 523-540.
- Bradley, K.D.** & Bradley, J.W. (2010). Exploring the reliability, validity, and utility of a higher education faculty review process. *Contemporary Issues In Education Research* 3 (4), 21-26.
- Mueller, C.* & **Bradley, K. D.** (2009). Utilizing the Rasch model to develop and evaluate items for the Tacit Knowledge Inventory for Superintendents (TKIS). *International Journal of Knowledge Management* 5 (3), 73-93.
- Ren, W.* , **Bradley, K. D.** & Lumpp, J. K. (2008). Applying the Rasch model to evaluate an implementation of the Kentucky Electronics Education Project. *Journal of Science Education and Technology* 17, 618-625.
- Bradley, K. D.**, Royal, K. D.*, & Bradley, J. W. (2008). An Investigation of 'Honesty Check' items in Higher Education Course Evaluations. *Journal of College Teaching and Learning* 5(8), 39-48.
- Cunningham, J. D.* , **Bradley, K. D.** & Osborn, J. (2008). Assessing the impact of Newton's Universe: Preliminary findings associated with rural middle school students' and teachers' outcomes linked to inquiry-based physical science. *ERS Spectrum, Journal of Research and Information* 26(1), 39-44.

Peer-Reviewed Articles (continued)

- Lumpp, J. K., **Bradley, K. D.** & Haines, R. T. * (2007). Kentucky Electronics Education Project (KEEP): Putting professional development into practice. *International Journal of Engineering Education* 23 (5), 910-915.
- Bishop, M., Stenhoff, D. M., **Bradley, K. D.**, & Allen, C. A. (2007). The differential effect of epilepsy labels on employer perceptions: report of a pilot study. *Epilepsy & Behavior* 11(3), 351-356.
- Jung, L. A. & **Bradley, K. D.** (2006). Special education service delivery in rural areas: A study of the kindergarten population using the ECLS-K. *Rural Special Education Quarterly* 25 (4), 25-30.
- Bradley, K. D.**, Sampson, S. O.#, Ma, L. * & Cunningham, J. D. * (2006). Where are the teaching opportunities? A longitudinal study of educator supply and demand. *Teachers College Record* Date Published: December 5, 2006 <http://www.tcrecord.org> ID Number: 12865
- Bradley, K. D.**, Sampson, S. O. * & Royal, K. D. * (2006). Gaining insights into students' conceptualization of quality mathematics instruction. *Mathematics Education Research Journal* 18(2), 11-26.
- Floyd, E. * & **Bradley, K. D.** (2006). Teaching strategies related to successful sight-singing in Kentucky choral ensembles. *Update: Applications of Research in Music Education* 25(1), 70-81.
- Bradley, K. D.** & Bradley, J. W. (2006). Challenging the validity of higher education course evaluations. *Journal of College Teaching and Learning* 3(8), 63-76.
- Royal, K. D. * & **Bradley, K. D.** (2005). Interactive television (ITV) courses and students' satisfaction: A review of literature. *The Online Journal of Distance Learning Administration VIII* (IV). <http://www.westga.edu/%7Edistance/ojdl/winter84/winter84.htm>
- Bradley, K. D.** & Loadman, W. E. (2005). Urban secondary educators' views of teacher recruitment and retention. *NASSP Bulletin* 89(644), 2-28.
- Bradley, K. D.** & Bradley, J. W. (2005). Evaluating a math instructor's clarity: An analysis of low to moderate items versus a high inference item. *Journal of College Teaching and Learning* 2(8), 59-68.
- Bradley, K. D.** & Sampson, S. O. * (2005). A case for using a Rasch model to assess the quality of measurement in survey research. *The Respondent*, Spring 12-13.
- Royal, K. D. * , **Bradley, K. D.** & Lineberry, G. T. (2005). Evaluating interactive television (ITV) courses: An identification of factors associated with student satisfaction. *The Online Journal of Distance Learning Administration VIII* (II). <http://www.westga.edu/%7Edistance/ojdl/summer82/summer82.htm>
- Bradley, K. D.** & Thomas, A. M. (2004). Teacher supply and demand in the United States 1998 - 2002. *World Studies in Education* 5(2), 47-64.
- Sampson, S. O. * & **Bradley, K. D.** (2003). Rasch analysis of educator supply and demand rating scale data: An alternative to the true score model. *Research Methods Forum, Volume 8*. <http://division.aonline.org/rm/>

Peer-Reviewed Articles (continued)

Piegorsch, W. W., West, R. W., Al-saidy, M. A. & **Bradley, K. D.** (2000). Asymmetric confidence bands for simple linear regression over bounded intervals. *Computational Statistics and Data Analysis* 34, 193-217.

Editorial Reviewed Articles

Bradley, K. D., Royal, K.D. *, Cunningham, J. D. *, Weber, J. * & Eli, J. * (2007). What constitutes good educational research? A consideration of ethics, methods and theory. *Mid-Western Educational Researcher* 21(1), 26-35.

Book Chapters

Bradley, K. D. (2009). Quasiexperimental research. In E. Anderman (Ed.), *Psychology of Classroom Learning: An Encyclopedia*. Detroit: Macmillan Reference USA.

Ma, X., Ma, L. * & **Bradley, K. D.** (2008). Using multilevel modeling to investigate school effects. In A. A. O'Connell & D. B. McCoach (Eds.), *Multilevel modeling of educational data*. Greenwich, CT: Information Age Publishing.

Bradley, K. D. & Sampson, S. O.# (2006). Constructing a quality assessment through Rasch techniques: The process of measurement, feedback, reflection and change. In X. Liu & W. Boone (Eds.), *Applications of Rasch measurement in science education* (pp. 23-44). Maple Grove, MN: JAM Press.

Book Review

Bradley, K. D. (2005). *Applying the Rasch Model, Fundamental Measurement in the Human Sciences*, by Trevor G. Bond and Christine M. Fox. *Organization Research Methods* 8(2), 1-2.

Published Conference Proceedings

Lumpp, J. K. & **Bradley, K. D.** (2006). Math and science across the board: Connecting professional development to classroom practices via an embedded research initiative. The American Society for Engineering Education Annual Conference & Exposition, Chicago, IL.

Lumpp, J. K. & **Bradley, K. D.** (2003). Development and dissemination of KEEP – Kentucky Electronics Education Project. Electronics Components and Technology Conference, New Orleans, LA.

Published Reports Available at www.aeee.org; co-author as part of the AEEE research committee

American Association for Employment in Education (2010). Executive Summary: Educator Supply and Demand in the United States, 2009 Report.

American Association for Employment in Education (2009). Executive Summary: Educator Supply and Demand in the United States, 2008 Research Report.

** Also co-authored reports from 2003-2008

Grants Funding to Date – Total Awarded = \$2,724,364 (As PI = \$94,503)

06/01/2011 – 05/31/2013. NSF 10-544; Consultant; Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES). *Environmental AIMS (Applied Investigations in Mathematics & Statistics)* (\$149,991).

01/01/2005 – 12/30/2009. NSF 04-553; Co-PI; REC Educational Research Initiative. *Assessing how distance learning for teachers can enable inquiry science in rural classrooms.* (\$1,998,833).

09/15/2004 – 06/30/2006. Kentucky Department of Education; Co-PI (PI on \$12,500 – Scope Account). *Prototype online formative assessment system.* (\$225,000).

10/01/2005 – 06/30/2005. Western Kentucky University; PI; KY EPSB. *Constructing a methodological training package for putting assessment into practice.* (\$30,551).

07/01/2004 – 09/30/2005. Kentucky Department of Education; Measurement Consultant. *2004 Evaluation of differentiated compensation.* (\$114,090).

10/30/2004 – 09/30/2005. University of Kentucky; Co-PI; Faculty Research Support Program. *Pilot study: Math, science and technology professional development training of pre-service and in-service teachers utilizing a microelectronics theme.* (\$19,987).

07/01/2004 – 06/30/2005. Western Kentucky University; PI; KY EPSB. *Assessing quality - A macro versus micro approach to high school mathematics education.* (\$36,452).

01/01/2005 – 12/31/2005. University of Kentucky; PI; Faculty Research Support Program. *A pilot study: Measuring achievement responsibly in high school mathematics, an investigation of limited English proficient students.* (\$15,000).

2005. Children's Miracle Network; Co-Investigator. *Development of a pediatric specific regression equation for body composition assessment using bioelectric impedance analysis.* (\$30,000).

2005. BodyStat Ltd.; Co- Investigator. *Development of a pediatric specific regression equation for body composition assessment using bioelectric impedance analysis.* (\$5,000).

01/01/2004 – 12/30/2005. NSF 03-562; Co-PI; EEC Engineering Research Centers. *Embedded Computer Engineering.* (\$99,460).

Grant Currently Under Review

NSF. Co-PI; TUES-Type 1 Project. *Collaborative Research: Identification of Sustainability Competencies and Planning for Integration of Key Sustainability Concepts Across the Chemical Engineering Curriculum.* (\$119,746).

Peer-Reviewed Presentations [Note: * denotes graduate student, # denotes past graduate student]

National

Shirley, K.* & **Bradley, K.D.** (2010). The tie that binds & loose ends: A social network analysis of doctoral committee structure. Paper presented at the 2010 American Educational Research Association annual meeting, Denver, CO.

Bradley, K.D., Cunningham, J.D.#, & Royal, K.D.# (2010). Using the principals of survey research and Rasch measurement results to guide refinement results to guide refinement of a survey measuring perceptions of good research. Paper presented at the 2010 American Educational Research Association annual meeting, Denver, CO.

Cunningham, J.D.# & **Bradley, K.D.** (2010). Applying the Rasch Model to Measure Change in Student Performance Over Time. Paper presented at the 2010 American Educational Research Association annual meeting, Denver, CO.

Bradley, K.D. & Bradley, J.W. (2010). Exploring the reliability, validity, and utility of a higher education faculty review process. Paper presented at the College Teaching and Learning Conference, Orlando, FL.

Bradley, K.D., Worley, L. Cunningham, J.D.*, & Bieber, J.P. (2009). Evaluating and restructuring a new faculty survey: Measuring perceptions related to research, service, and teaching. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

Cunningham, J.D.* & **Bradley, K.D.** (2009). Constructing an accurate picture of responses. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

Kula, K.G.*, Cunningham, J.D.*, **Bradley, K.D.**, & Loadman, W.E. (2009). A longitudinal study (2001-2008) of perceived teacher supply at the state and national level: A higher education perspective. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

Gates, M.* & **Bradley, K.D.** (2009). Measuring cross-cultural competence in medical education: A review of curricular effectiveness and attitudinal studies. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.

Bradley, K.D., Bradley, J.W., & Cunningham, J.D.* (2009). What constitutes good educational research: Considerations for graduate education. Paper presented at the College Teaching and Learning Conference, San Antonio, TX.

Bradley, K. D., Cunningham, J. D .*, & Eli, J. * (2009). The relationship between primary methodology and perceptions of good educational research: The impact on higher education. Paper presented at the American Association of Colleges for Teacher Education annual meeting, Chicago, IL.

National (continued)

- Cunningham, J. D.* & **Bradley, K. D.** (2008). Using measurement principles to construct and restructure a teacher perception survey. Paper presented at the American Educational Research Association annual meeting, New York, NY..
- Mueller, C. E.* & **Bradley, K. D.** (2008). Applying the Rasch model to develop a tacit knowledge measure of effective superintendent leadership. Paper presented at the American Educational Research Association annual meeting, New York, NY.
- Bradley, K. D.**, Royal, K. D.# & Bradley, J. W. (2008). An Investigation of 'Honesty Check' Items in Higher Education Course Evaluations. Paper presented at the College Teaching and Learning Conference, Orlando, FL.
- Clasey, J. L., **Bradley, K. D.**, Bradley, J. W. & Long, D. E. (2007). A new BIA equation estimating the body composition of young children. Paper presented at the North American Association for the Study of Obesity annual conference, New Orleans, LA.
- Bradley, K. D.**, Sampson, S. O.# & Cunningham, J. D.* (2007). Constructing and analyzing teacher-made assessments. Presentation at the Kappa Delta Pi convocation, Louisville, KY.
- Weber, J.* & **Bradley, K. D.** (2007). Measuring individual preferences for counselor characteristics. Paper presented at the American Educational Research Association annual meeting, Chicago, IL.
- Jung, L. A., Sampson S. O.* & **Bradley, K. D.** (2007). Applying the Rasch model to guide refinement of early childhood Individualized Family Service Plan. Paper presented at the American Educational Research Association annual meeting, Chicago, IL.
- Bradley, K. D.**, Cunningham, J. D.* & Sampson, S. O.* (2007). Evaluating and restructuring science assessments: An example measuring students' conceptual understanding of heat. Paper presented at the American Educational Research Association annual meeting, Chicago, IL.
- Ma, X., Ma, L.* & **Bradley, K. D.** (2007). Issues, research, and teaching for the multilevel analysis of educational data. Paper presented at the American Educational Research Association annual meeting, Chicago, IL.
- Lee, S.* , **Bradley, K. D.** & Stilwell, W. E. (2006). Relationships between self-construal, self-efficacy, and health-promoting behaviors among international students. Paper presented at the American Psychological Association Conference, New Orleans, LA.
- Lumpp, J. K. & **Bradley, K. D.** (2006). Math and science across the board: Connecting professional development to classroom practices via an embedded research initiative. Paper presented at the American Society for Engineering Education Annual Conference & Exposition, Chicago, IL.
- Bradley, K. D.**, Cunningham, J. D.* & Gilman, R. (2006). Employing the many-facet model to investigate the domains of the MSLSS. Paper presented at the American Educational Research Association annual meeting, San Francisco, CA.
- Jung, L. A. & **Bradley, K. D.** (2006). Delivery of special education and related services: A study of the kindergarten population using the ECLS-K. Paper presented at the American Educational Research Association annual meeting, San Francisco, CA.

National (continued)

Sampson, S. O.# & **Bradley, K. D.** (2006). Investigating the fit and functioning of a high school algebra assessment for English language learning using the dichotomous Rasch model. Paper presented at the American Educational Research Association annual meeting, San Francisco, CA.

Jung, L. A., **Bradley, K. D.**, Sampson, S. O.* & McWilliam, R. (2006). Applying Rasch measurement to validate the IFSP rating scale. Paper presented at the Conference on Research Innovations in Early Intervention (CRIEI), San Diego, CA.

Bradley, K. D. & Sampson, S. O.* (2006). Gaining insight into the conceptualization of high quality mathematics teaching. Paper presented at the American Association of Colleges for Teacher Education annual meeting, San Diego, CA.

Bryant, B. J., Loadman, W. E., **Bradley, K. D.**, Sampson, S. O.* & Cunningham, J. D.* (2006). Imagine a future where there are enough qualified teachers: Supply and demand of educators. Paper presented at the American Association of Colleges for Teacher Education annual meeting, San Diego, CA.

Bradley, K. D. & Bradley, J. W. (2006). Challenging the validity of higher education course evaluations. Paper presented at the College Teaching and Learning Conference, Orlando, FL.

University of Kentucky. (2005). Using successful STEM diversity programs to move toward an institutional change at the University of Kentucky. Poster presentation at CIRTL Forum 2005, Madison, WI.

Bradley, K. D. & Sampson, S. O.* (2005). Improving data collection through Rasch measurement: A continuing study of supply and demand. Paper presented at the American Educational Research Association annual meeting, Montreal, Canada.

Sampson, S. O.* & **Bradley, K. D.** (2005). Quality control in survey design: Evaluating a rating scale of educators' attitudes toward differentiated compensation. Paper presented at the American Educational Research Association annual meeting, Montreal, Canada.

Bryant, B. J., Loadman, W. E., **Bradley, K. D.** & Sampson, S. O.* (2005). Educator supply and demand in the United States. Paper presented at the American Association of Colleges for Teacher Education annual meeting, Washington, D.C.

Bradley, K. D. & Bradley, J. W. (2005). Evaluating a math instructor's clarity: An analysis of low to moderate items versus a high inference item. Paper presented at the College Teaching and Learning Conference, Orlando, FL.

Harris, Jr., W. E.* & **Bradley, K. D.** (2004). Black male college students' perceptions of marriage. Accepted [not presented]. National Association of African American Studies Conference.

Sampson, S. O.* & **Bradley, K. D.** (2004). Measuring factors impacting educator supply and demand: An argument for Rasch analysis. Paper presented at the American Educational Research Association annual meeting. San Diego, CA.

National (continued)

Lumpp, J. K. & **Bradley, K. D.** (2003). Development and dissemination of KEEP – Kentucky Electronics Education Project. Paper presented at the Electronics Components and Technology Conference, New Orleans, LA.

Regional

Knutson, N.*, Akers, K.*, & **Bradley, K.D.** (2010). Applying the Rasch Model to Measure First-Year Students' Perceptions of College Academic Readiness. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Knutson, N.*, Malone, D.*, & **Bradley, K.D.** (2010). Understanding Motivations and Barriers, in the Presence of Enhanced Support, of First-Generation College Students and their Quest for Higher Education. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Gates, M.* & **Bradley, K.D.** (2010). Developing a framework to identify constructs to measure cross-cultural competence in medicine. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Sweeney, L.*, Akers, K.*, & **Bradley, K.D.** (2010). A Rasch Measurement Approach: Measuring differences in pencil-and-paper and online course evaluations. Poster presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Collett, D.* & **Bradley, K.D.** (2010). Measuring Incidence and Factors Associated with Intimate Partner Violence on African American Women: A Cultural Competence Framework. Poster presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Bradshaw, T.*, Cunningham, J.D., Osborn, J., & **Bradley, K.D.** (2010). Impact of Newton's Universe Materials on Middle School Teacher and Student Understanding of Physical Science. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Sun, L. & **Bradley, K.D.** (2010). A Multi-level Model Approach to Investigating Factors Impacting Science Achievement for Secondary School Students. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

McDearman, T.* & **Bradley, K.D.** (2010). Operationalizing and Measuring Role-Identity and Charitable Giving Behaviors of College and University Alumni: The Instrumentation Process. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.

Knutson, N.* & **Bradley, K.D.** (2009). Who Succeeds in College? Evaluating the Selection Instrument for a First- Generation College Access Program. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.

Regional (continued)

- Grewe, J.* & **Bradley, K.D.** (2009). Creating an instrument to measure perceptions of preparedness to return home from study abroad. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Nichols, J.K.* & **Bradley, K.D.** (2009). Using an evaluation framework to examine the NCAA men's basketball and football national championship system. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Shirley, K.* & **Bradley, K.D.** (2009). Examining graduate committee faculty compositions- A social network analysis example. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Henchey, A.*, Cunningham, J.D.*, & **Bradley, K.D.** (2009). Measuring Latino students' perceptions of school belonging: A Rasch measurement application. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Chaffer-Schroeder, K. * **Bradley, K.D.** (2009). Validating standardized testing procedures at higher education institutions: A regression approach. Paper presented at Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Bradley, K. D.** & Royal, K. D. * (2008). Rethinking measurement in higher education research. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.
- McDonald, S. * & **Bradley, K. D.** (2008). Evaluating school psychologists' training on dating violence and perceived competence. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Bradshaw, T. *, Cunningham, J. D. *, Osborn, J. & **Bradley, K. D.** (2008). Student outcomes in physical science: Exploring the impact of Newton's Universe materials in the absence of the distance training course. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Bradley, K. D.** & Cunningham, J. D. * (2008). A consideration of measurement principles in analyzing and constructing assessments. Paper presented at Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Bradley, K. D.**, Royal, K. D. *, Cunningham, J. D. *, Eli, J. *, Weber, J. *, Byrd, E. *, Ren, W. * & Harris, Jr., W. E. *. (2007). A consideration of ethics, methods and theory? Is there consensus on what constitutes good education research?. Symposium at the Mid-Western Educational Research Association annual meeting, St. Louis, MO.
- Cunningham, J. D. * & **Bradley, K. D.** (2007). Are teacher education program offerings meeting the needs of U.S. classrooms?. Paper presentation at the Mid-Western Educational Research Association annual meeting, St. Louis, MO.

Regional (continued)

Ren, W. *, **Bradley, K. D.** & Lumpp, J. K. (2007). Applying the Rasch model to evaluate a high school science implementation of the Kentucky Electronics Education Project (KEEP). Paper presentation at the Mid-Western Educational Research Association annual meeting, St. Louis, MO.

Bradley, K. D., Cunningham, J. D. *, Haines, R. T. *, Harris, Jr. W. E. *, Mueller, C. E. *, Royal, K. D. *, Sampson, S. O., Singletary, G. * & Weber, J. * (2006). Constructing and evaluating measures: Applications of the Rasch measurement model. Symposium presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Weber, J. * & **Bradley, K. D.** (2006). Strengths and weaknesses of conducting web-based surveys: A review of the literature. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Babcock, J. * & **Bradley, K. D.** (2005). Identifying factors that impact teachers' sustained integration of Instructional technology. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Bradley, K. D., Sampson, S. O. * & Ma, L. * (2005). A longitudinal study of educator supply and demand in the United States (1997-2004). Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Bradley, K. D. & Sampson, S. O. * (2005). Validating an assessment through Rasch techniques: The process of measurement, feedback, reflection and change. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Cunningham, J. D. * & **Bradley, K. D.** (2005). Teacher perceptions as an integral component in the development of on-line learning tools. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Eli, J. *, Royal, K. D. * & **Bradley, K. D.** (2005). A pilot study evaluating community college educators' perceptions regarding student outcomes: An investigation into differences by discipline. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Faulkner, J. *, **Bradley, K. D.**, Lumpp, J. K. & Bradley, J. W. (2005). Broadening the roles of school psychologists through an evaluation of learning environments: A pilot study. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Harris, Jr., W. E. * & **Bradley, K. D.** (2005). An exploration of factors related to the decline in black marriages. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Lee, S. * & **Bradley, K. D.** (2005). General self-efficacy, assertiveness and religion/spirituality as predictors of acculturative stress among international students. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Martinez, T. *, Sampson, S. O. * & **Bradley, K. D.** (2005). A survey of English language learners' perceptions of characteristics of quality math teachers. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Regional (continued)

- Royal, K. D.* & **Bradley, K. D.** (2005). Interactive television (ITV) and student satisfaction: A review of selected literature. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Webb, A.* & **Bradley, K. D.** (2005). An investigation into traits that characterize high quality mathematics teachers and instruction. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Weber, J.* & **Bradley, K. D.** (2005). A review of the literature on perceived prevalence rates and reasons for academic dishonesty. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Bradley, K. D.** (2005). Assessing teacher quality: A macro versus micro approach to high school mathematics education. Paper presented at the Kentucky Collaborative Research Conference, Louisville, KY.
- Floyd, E.* & **Bradley, K. D.** (2004). Teaching strategies related to successful sight-singing in Kentucky choral ensembles. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Harris, Jr., W. E.* & **Bradley, K. D.** (2004). The impact of stereotypes of black male college students' perception of marriage. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Ma, L.* & **Bradley, K. D.** (2004). The development of mathematics achievement in secondary school individual differences and school effects. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Royal, K. D.* , **Bradley, K. D.** & Lineberry, G. T. (2004). Assessing interactive television (ITV) courses: An identification of factors associated with student satisfaction. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Lumpp, J. K., **Bradley, K. D.**, Toth, G. & Toy, B. (2004). Kentucky Electronics Education Project – implementation and demonstration. Presentation at the Kentucky Council on Postsecondary Education Faculty Development Conference, Lexington, KY.
- Bradley, K. D.**, Lumpp, J. K., Toth, G. & Toy, B. (2003). What matters most is research in the schools. Invited Session at Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Sampson, S. O.* & **Bradley, K. D.** (2003). Rasch analysis of educator supply and demand starting at the level of measurement: An alternative to the true-score model. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.
- Graves, S.* & **Bradley, K. D.** (2003). Diminishing the achievement gap: An analysis of factors that are shared by successful law students and the dissemination of these factors. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Regional (continued)

Bradley, K. D. (2002). Looking at the teaching profession through the eyes of the educators. Paper presented at the Mid-Western Educational Research Association annual meeting, Columbus, OH.

Bradley, K. D. (2001). Clear teaching at the college level – An analysis of student evaluations of a math instructor’s clarity. Paper presented at the Mid-Western Educational Research Association annual meeting, Chicago, IL.

Ye, F. & **Bradley, K. D.** (2001). An evaluation of an alternative education program for high school students. Paper presented at the Mid-Western Educational Research Association annual meeting, Chicago, IL.

Bradley, K. D. (2000). Where are the teaching opportunities? Looking at shortages from the teacher educator perspective. Paper presented at the Mid-Western Educational Research Association annual meeting, Chicago, IL.

Bradley, K. D. & Thomas, A. M. (2000). Rethinking and applying Tyler’s model of curriculum development: An application to a mathematics program evaluation. Paper presented at the Ohio Program Evaluator’s Group, Columbus, OH.

Bradley, K. D. (1999). Asymmetric-Bowden type confidence bands for linear regression over intervals. Paper presented at the American Statistical Association, South Carolina Chapter, Columbia, SC.

Professional Development and Training Sessions

Lumpp, J. K., **Bradley, K. D.** & Toth, G. (2005). Etch, drill, solder, repeat – A theme for STEM PD and education. Kentucky Science Teacher Association, Professional Development Session., workshop; Lexington, KY.

Lumpp, J. K. & **Bradley, K. D.** (2003-2007). Kentucky Electronics Education Project (KEEP) Training. Girls in Science and Girls in Research, University of Kentucky; Lexington, KY.

Courses Taught

University of Kentucky

EDP/EPE 557: Educational Statistics

EDP/EPE 660: Research Design & Analysis in Education

EDP 656: Methodology in Educational Research

EPE 619: Survey Research Methods

SOC622 - ANT/EDP/EPE 620: Introduction to Evaluation

EPE 773: Rating Scale Analysis

EPE 773: Introduction to Rasch Measurement

EPE 773: Manuscript Writing

Courses Taught

DeVry University

MATH 100: Intermediate Algebra

MATH 178: College Algebra

MATH 221: Statistics for Decision Making

University of South Carolina

STAT 201: Elementary Statistics

Midlands Technical College

MAT 035: Developmental Mathematics

Awards and Recognition

2011	Selected to AERA AERA Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets
2005, 2006, 2010	The College Teaching and Learning Conference; Best Paper Award
2005-current	University of Kentucky, College of Education; Wethington Award
2010	Graduate Student Advisor for Best Graduate Paper Award (Weijia Ren) in the Survey Research SIG at the American Educational Research Association
2008, 2009	Graduate Student Advisor & Co-Author for Best Graduate Paper Award (Jessica Cunningham) in the Survey Research SIG at the American Educational Research Association
2006	University of Kentucky, College of Education; Teacher Who Made a Difference
2005, 2007	University of Kentucky, Finalist for Provost Teaching Award
2005	National Center for Education Statistics; NCES ECLS-K Database Training Seminar
2004, 2005, 2011	Mid-Western Educational Research Association; Student Participation Recognition
2004	University of Kentucky, College of Education; Dean's Research Incentive Award
2003	University of Kentucky; Summer Faculty Research Fellowship

Service**Professional Organizations**

2010 – 2012	Mid-Western Educational Research Association; Association Council
2010 – current	American Educational Research Association; Chair; Survey Methods SIG
2008 – 2010	American Educational Research Association; Program Chair; Survey Methods SIG
2007 – 2010	Mid-Western Educational Research Association; Member at Large
2007 – current	Teacher's College Record; Reviewer
2007 – current	AERA-J; Reviewer
2006 – current	American Educational Research Association; Business Secretary, Survey Research Methods SIG
2005 – current	Journal of Educational Psychology; Ad hoc Reviewer
2005 – current	Canadian Journal of Education; Reviewer
2005 – 2007	Mid-Western Educational Research Association; Elected Association Council
2004 – current	Journal of Statistics; Reviewer
2003 – 2005	Mid-Western Educational Research Association; Elected Chair/Co-Chair Division K
2002 – current	American Association for Employment in Education; Research Committee
2001 – current	American Educational Research Association; Member, Reviewer, Chair
1999 – current	Mid-Western Educational Research Association; Member, Reviewer, Chair, Discussant

University (continued)

2011 – current University of Kentucky, College of Education; Kappa Delta Pi, Counselor
2011 – current University of Kentucky, College of Education, Courses & Curriculum
2010 – current University of Kentucky, College of Education, Faculty Council, EPE Representative
2010 – current University of Kentucky, Summer Faculty Research Fellowship Committee
2010 – 2011 University of Kentucky, College of Education; Co-chair Taskforce on Inclusiveness
2010 – 2011 University of Kentucky, College of Education; Library Committee
2007 – 2011 University of Kentucky, College of Education; Taskforce on Inclusiveness,
2008 – 2010 University of Kentucky, College of Education, Faculty Council At-Large Member
2008 – 2009 University of Kentucky, College of Education; Dean Search Committee
2005 – 2011 University of Kentucky, College of Education; Kappa Delta Pi, Associate Counselor
2005 – 2007 AMSP Grants Reviewer
2005 – 2006 University of Kentucky; Got Grants Reviewer
2005 University of Kentucky; CIRTL Forum Representative
2004 – 2008 Department of Educational Policy Studies and Evaluation Faculty Search Committee
2004 University of Kentucky, College of Education; Session Chair for Research Conference
2003, 2005 Department of Curriculum and Instruction; Mathematics Education Search Committee
2002 – 2007 University of Kentucky, College of Education; Technology Committee

Community

2011 – current FOAS – SCAPA Bluegrass; Vice President
2010 – current Montessori High School; University of Kentucky Liason
2008 – current Providence Montessori School; Parent Education Committee and Fundraising Committee
2006 – 2008 Lexington Montessori School; Board Member; served as Secretary and Co-Chair

Doctorates Directed

Kathryn S. Akers, Research Analyst – Kentucky Office of the Commissioner
Jessica D. Cunningham, Assistant Professor – Western Carolina University
Madison Gates, co-chair; Data Research Analyst/UKHC Family Practice
William E. Harris, Jr., co-chair; Counselor & Instructor – Eastern Kentucky University
Kenneth D. Royal, chair, Psychometrician - American Board of Family Medicine and Adjunct Faculty
Shannon O. Sampson, co-directed; Private Consultant and Adjunct Faculty

Currently Directing

Kimberly Chaffer, chair
Deshana Collett, chair
Ashlee-Nicole Crump, co-chair
Gera Drake, chair
Brent Eldridge, chair
Duke Gatsos, co-chair
Nicole Knutson, chair
Justin Nichols, co-chair
Alexander Nounopoulos, co-chair
Mikaela Raddatz, chair
Andrew Smith, chair
Paul Stephens, chair
Leato Sun, chair
Steven Wise, chair

* 3 master's committees, serving as temporary advisor 5 doctoral students and serve on 15+ committees