

**Gibbs Y. Kanyongo, Ph.D.**  
**Professor, Educational Statistics & Research**  
**Educational Foundations and Leadership**  
**School of Education**  
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**I. PROFESSIONAL PREPARATION AND EXPERIENCE**

**A. Education**

Ohio University, Athens, OH  
PhD., Educational Research and Evaluation (Statistical Analyses & Design),  
March 2004

Ohio University, Athens, OH  
M.A., International Development Studies, June 1998

University of Zimbabwe, Harare Zimbabwe  
BS, Animal Science, 1992

**B. Academic Appointments**

Duquesne University, Pittsburgh, PA  
Department of Educational Foundations and Leadership  
Professor, July 2018- present

Duquesne University, Pittsburgh, PA  
Department of Educational Foundations and Leadership  
Associate Professor, July 2010- June 2018

Duquesne University, Pittsburgh, PA  
Department of Educational Foundations and Leadership  
Assistant Professor, July 2004 - June 2010

**C. Honors and Awards Received**

Duquesne University Creative Teaching Award, 2006  
Statistics Institute Fellow, American Educational Research Association (2010).  
School of Education Award for Excellence in Scholarship, 2017

**D. Consulting Experience**

2015-2017: ASSET, Inc., Evaluation of Mathematics Teachers Professional  
Development Initiatives  
2012-2014: ASSET Inc., Investing in Innovation (i3) Case Studies Evaluation.  
Funded by ASSET Inc.

2012: Kingsley Association, Program Evaluation and training workshops on Outcomes implementation and assessments

2011: University of Pittsburgh, Evaluation of Certificate Programs Offered through Area Studies Centers at the University Center for International Studies at the University of Pittsburgh

#### **E. Membership in Professional Organizations**

American Evaluation Association

American Statistical Association

Southern African Association for Mathematics, Science and Technology Education

## **II. TEACHING ACTIVITIES**

### **A. Graduate Courses Taught**

GREV500 - Statistics in Behavioral Research

GREV511 - Educational Measurement I

GREV501 - Program Planning and Evaluation

GREV503 - Business and Project Management

GREV 550 - Instrument Design

GREV 510 – Statistics I

GREV 610 - Statistics II

GREV 611 - Statistics III (Multivariate Statistics)

GREV 612 – Statistics IV (Statistics Modeling)

GREV603- Capstone I

GREV650 - Capstone II

### **B. Thesis / Dissertation Committee - Chair**

2017- Evaluation of Reading Interventions Pull-Out Program for Immigrants in an Urban Inner City

2015 - *How to attain sustainable education in Sierra Leone: a policy design for Sanda Tendaren chiefdom.*

2015 - *Poverty and the challenge of quality primary and secondary school education access in Mara-Tanzania.*

2009 – *Principal perspectives toward parental involvement in Pennsylvania secondary public schools.*

2007 - *Adult students' perception of the congruence of hybrid courses with their adult learning needs and their satisfaction from hybrid courses.*

2006 - *Tele mentoring and computer mediated conferences: a description of online instructors' support.*

### **C. Thesis / Dissertation Committee – Member**

2017- *School officials' attitudes toward mentoring components for a district's teacher*

*induction program*

*2017 - Developmental Pathways of Indirect Forms of Aggression and their Effect on Child and Adolescent Conflict Management Skills*

*2017 - Examining factors in K-8 education and their relationship to technology & engineering literacy.*

*2017 - Examining the legacy of trans generational trauma and its effects on contemporary African American adults in parenting and caregiver roles to African American adolescents and youth.*

*2017 - Validating an instrument to measure social metacognition using CSCL environments.*

*2017 - Quiz frequency effect and comparison of quiz practices in different countries on mathematics achievement based on TIMSS report.*

*2017 - Teacher professional development, self-efficacy, and classroom uses of ICT in turkey.*

*2016 - Evaluating to extent that quality of the parent-teacher relationship impacts student achievement in cyber-charter schools.*

*2016 - The relationship between healthcare services and caregiver burden among families of children with autism spectrum disorders.*

*2016 - Building resilience through a positive school climate.*

*2016 - Discrimination, racial identity & educational value.*

*2016 - An examination of different motivational orientations that drive graduate students to continue/complete their education in the U.S.*

*2016 - Trauma and aggression in juvenile offenders.*

*2016 - Impact baseline composite score difference among student athletes.*

*2016 - Designing a template of a continuous improvement process for early learning programs situated in school districts.*

*2015 - International students in supervision: multicultural discussion as a moderator between supervision related constructs: acculturation, counselor self-efficacy, supervisory working alliance, and role ambiguity.*

*2015 - Increasing the number of African American students in Chinese classes: a call to action.*

*2015 - Computational thinking & programming language.*

*2015 - Online knowledge sharing: investigating the community of inquiry framework and its effect on knowledge sharing behavior in online learning environments.*

*2015 - The importance of differentiating between traits of autism spectrum disorders and callous and unemotional traits.*

*2015 - Facilitating healthy interpersonal relationships for adolescents with autism: an examination of knowledge acquisition and retention over time.*

2015 - *Cyber bullying, suicidal behavior, and emotional intelligence: a portentous combination.*

2015 - *Student engagement and its relationship to mobile device ownership and the role of technology in student learning.*

2015 - *A psychometric examination of pro-social behavior across cultural contexts.*

2015 - *The feasibility, acceptability, and effectiveness of a school-based motivational interviewing intervention for adolescent females.*

2014 - *Differences in perceptions of student experiences between residential and commuter sub-populations in higher education.*

2014 - *Impact of invalidation and trust in physicians on health outcomes in fibromyalgia patients.*

2013 - *Relational aggression, social aggression, and antisocial personality features: an investigation of bullying behavior in a sample of juvenile offenders.*

2013 - *Cognitive and affective empathy as predictors of proactive and reactive aggression.*

2013 - *Examination of factors related to negotiation skill training: validating a four-factor model.*

2012 - *The effects of Stephen Covey's seven habits of highly effective people program on perceived change among elementary teachers.*

2012 - *Neuropsychological predictors of math calculation and reasoning in school-aged children.*

2012 - *Self-report anxiety and depression ratings among adolescents with an autism spectrum disorder: a comparison of individuals with and without a history of sexual offending.*

2012 - *Decision-making at college student newspapers.*

2012 - *Executive function variance in a school-based behavioral screener.*

2012 - *Interrelationships among elements of formal mentoring and dimensions of organizational socialization.*

2012 - *The effects of a violence prevention intervention on pro-social behavior and perception of school safety.*

2011 - *The relationship between academic achievement and economic level at selected high schools in western Pennsylvania and their impact on the degree and success of parental involvement strategies.*

2011 - *Assessing common variance in psychopathy test measures.*

2011 - *Measuring pro-social behavior through the implementation of a violence prevention intervention.*

2011 - *The reliability and validity of the triage assessment scale for students in learning environments: middle schools.*

2010 - *Anxiety in children with autism spectrum disorders: an examination of reporting trends among children, parents, and teachers.*

2010 - *Personal digital assistants: their influence on clinical decision-making and the utilization of evidence-based practice in baccalaureate nursing students.*

2009 - *An island study abroad program and its impact on the intercultural sensitivity and cross-cultural adaptability of its participants: perspectives from a research-intensive university.*

2009 - *Use of the electronic health record in private medical practices.*

2008 - *Neuropsychological deficits in adolescent psychopathy: callous and unemotional traits.*

2008 - *Teachers' attitude toward teacher evaluation in high and low achieving middle schools as measured by the Pennsylvania state assessment system.*

2008 - *Entrepreneurial organizational characteristics in Hawaiian elementary schools: its relationship to school characteristics and student achievement.*

2007 - *Internet use in teacher preparation programs: the relationship between pedagogy and practice in the Pennsylvania state system of higher education.*

2007 - *Confidence and willingness among pre-service teachers to use technology to support learner-centered strategies that address the diverse needs of students: a multimedia experience.*

2007 - *Reflective analysis of the role spirituality plays in educational leaders' coping with successes with a focus to gender divergence.*

2006 - *A study of the relationships between superintendent longevity, board member longevity, board member training, and school districts demonstrating adequate yearly progress (AYP) during the 2004-2005 school year.*

#### **D. Student Assign-Supervised Research (GRAD)**

2016 - *Evaluating the Implementation of Big Day for PreK curriculum in Pittsburgh Public Schools Early Childhood Classrooms.*

2016 - *School Counselors: Examining School Support Personnel and The Effectiveness of the School Structures They Work in.*

2016 - *Inclusive Special Education for Children.*

2015 - *Individual and Community Benefits of Hip-Hop Based Arts Education.*

2015 - *Evaluation of Generational Poverty, Job Readiness Program.*

2015 - *Evaluation Report of the Workshops of 6th Annual Dr. Barbara A. Sizemore Summer Conference and Award Ceremony.*

2015 - *An Evaluation of Concussion Management Protocols at a Small Liberal Arts College Based on the NCAA Concussion Guidelines.*

2015 - *Efficacy of the BearTrax Student Success Program.*

2015 - *I Measure Every Grief I Meet': Designing a Program Evaluation Protocol for Context-Specific Grief Therapy in the Red Bird Center.*

2015 - *Evaluation Report of the August Wilson Education Project: Youth Playwriting Workshop and the 11th Play Competition.*

2015 - *Hospitals: Evaluation of the Nursing Education Program at West Virginia University Hospitals.*

### **III. SCHOLARSHIP**

## A. Publications in Refereed Journals

- Ayieko, R. A., Kanyongo, G. Y., & Nelson, B. (2018). The Relationships between Teacher Quality and Sixth Grade Students' Mathematics Competencies in Kenya and Zimbabwe. *Africa Journal of Teacher Education*, 7 (1), 66-94.
- Bell, G., Crothers, L., Hughes, T., Kanyongo, G. Y., Kolbert, J., Kristen Parys (2017). Callous-Unemotional Traits, Relational and Social Aggression, and Interpersonal Maturity in a Sample of Behaviorally-disordered Adolescents. *Journal of Applied School Psychology*, 1-21.  
<http://dx.doi.org/10.1080/15377903.2017.1345814>
- Kanyongo, G. Y. & Ayieko, R. (2017). Hierarchical Linear Modeling of Students' SES and School Factors on Mathematics Achievement among 6th grade students: Case studies of Kenya and Zimbabwe. *African Journal of Research in Mathematics, Science and Technology Education*. Vol. 21, No. 2, 187–199, <https://doi.org/10.1080/18117295.2017.1334368>
- Kanyongo, G. Y. (2016). Efficacy of the Principal Components Analysis Techniques Using Simulation Data and the Associated Pedagogical Implications. *Zimbabwe Journal of Educational Research*, 28 (3). 335-350.
- Lobo, C. P., Pfallgraf, A. R., Giannetti, V., & Kanyongo, G. Y. (2015). Impact of Invalidation and Trust in Physicians on Health Outcomes in Fibromyalgia Patients. *The Primary Care Companion for CNS Disorders*, 16 (5).  
DOI: 10.4088/PCC.14m01664
- Zelege, W., Minaye, A., & Kanyongo, G. Y. (2015). Mental Health and Somatic Distress among Ethiopian Migrant Returnees from the Middle East. *International Journal of Mental Health & Psychiatry*, 2015. DOI:10.4172/2471-4372.1000106
- Gordon, G., Dalton, S., Kolbert, J., Kanyongo, G. Y., & Crothers, L. (2014). Proactive and Reactive Aggression and Cognitive and Affective Empathy among Students in Middle Childhood. *International Journal of School and Cognitive Psychology*, 2 (105). DOI:10.4172/ 1234-3425.1000105
- Hughes, E., Witzel, B., Riccomini, P., Fries, K., & Kanyongo, G. Y. (2014). A Meta-Analysis of Algebra Interventions for Learners with Disabilities and Struggling Learners. *Journal of the International Association of Special Education*, 15 (1), 36-47.
- Chopra, I., Khalid, K., Candrili, S. D., & Kanyongo, G. Y. (2014). Association between Obesity and Therapeutic Goal Attainment in Patients with Concomitant

Hypertension and Dyslipidemia. *Postgraduate Medicine*, 126 (1), 66-77. DOI 10.3810/pgm.2014.01.2726.

Chopra, I., Kamal, K. M., Sankaranarayanan, J., & Kanyongo, G. Y. (2013). Factors associated with primary hip arthroplasty after hip fracture in United States. *American Journal of Managed Care*, 19, 74 -84.

Kanyongo, G. Y. & Brown, L. I. (2013). Relationship between pedagogical strategies and teachers' content knowledge of mathematics among 6th grade mathematics teachers. *African Journal of Research in Mathematics, Science and Technology Education*, 17, 106-112.

Crother, L.M. Kolbert, J. Kanyongo, G.Y., Filed, J.E., & Schmitt, A. (2012). Relational and social aggression and reflective processing in a university sample. *Journal of Aggression, Maltreatment, and Trauma*, 23(6), 670 - 681. DOI/abs/10.1080/10926771.2014.920451

Kolbert, J. B., M, C. L., Kanyongo, G. Y., Ng, H. K., Albright, C., Fenclau, Jr., E., Schmitt, A. J., & Wells, D (2012). Ego identity and relational and social aggression mediated by elaborative and deep processing. *International Journal of Criminology and Sociology*, 1, 98 -108.

Mvududu, N. & Kanyongo, G.Y. (2011). Using real life examples to teach abstract statistical concepts. *Teaching Statistics*, 33, 12-16.

Field, J. E., Kolbert, J. B., Crothers, L. M., Kanyongo, G. Y., & Albright, C. (2011). The Relationship between Hyper femininity and Achievement of Ego Identity Among College Females. *Identity: An International Journal of Theory and Research*, 11, 181-187.

Parke, C. S. & Kanyongo, G. Y. (2011). Student Attendance, Mobility, and Mathematics Achievement in an Urban School District. *Journal of Educational Research*, 10, 161-175.

Crothers, L.M., Kanyongo, G.Y., Kolbert, J.B., Lipinski, J., Kachmar, S.P., G.D. Koch (2010). Job stress and locus of control in teachers: Comparisons between a United States and Zimbabwean sample. *International Review of Education*, 56, 651-669.

Brown, L.I & Kanyongo, G.Y. (2010). Gender differences in mathematics performance in Trinidad and Tobago: Examining affective factors. *International Electronic Journal for Mathematics Education*, 5, 113-130.

- Kanyongo, G. Y. & Schreiber, J.B. (2009). Relationship between internal consistency and goodness of fit maximum likelihood factor analysis with varimax rotation. *Journal of Modern Applied Statistical Methods*, 8, 463-468.
- Crothers, L. M., Field, J. E., Kolbert, J. B., Lipinski, J., Kanyongo, G. Y., Kachmar, S. P., & Koch, G. (2009). A new look at teachers' job stress and locus of control using a multidimensional measure of stress. *The School Psychologist*, 63, 11-15.
- Brown, L. I. & Kanyongo, G. Y. (2007). Differential item functioning and male-female differences in a large-scale mathematics assessment in Trinidad and Tobago. *Caribbean Curriculum*, 14, 49-71.
- Kanyongo, G. Y., Schreiber, J.B., & Brown, L.I. (2007). Factors affecting mathematics achievement in sub-Saharan countries: The use of hierarchical linear models (HLM). *African Journal of Research in Mathematics, Science and Technology Education*, 1, 37-46.
- Kanyongo, G. Y., Brooks, G.P., Kyei-Blankison, L., & Goceman, G. (2007). Reliability and statistical power: How measurement fallibility affects power and required sample sizes for several parametric and nonparametric statistics. *Journal of Modern Applied Statistical Methods*, 1, 81-90.
- Kanyongo, G. Y., Certo, J., & Brown, L.I. (2006). Using regression analysis to establish the relationship between home environment and reading achievement: A case of Zimbabwe. *International Education Journal*, 7, 632-641.
- Kanyongo, G. Y. (2005). The influence of reliability on four rules for determining the number of components to retain. *Journal of Modern Applied Statistical Methods*, 2, 332-343.
- Kanyongo, G. Y. (2005). Zimbabwe's public education system reforms: Successes and challenges. *International Education Journal*, 6, 65-74.
- Kanyongo, G.Y. (2005). Determining the correct number of components to extract from a principal components analysis: A Monte Carlo study of the accuracy of the scree plot. *Journal of Modern Applied Statistical Methods*, 4, 120-133. DOI: 10.22237/jmasm/1114906380
- Kanyongo, G.Y. (2005). Teaching an introductory graduate statistics course online to teachers preparing to become principals: A student-centered approach. *International Journal of Instructional Technology and Distance Learning*, 2, 29-38.



## **B. Book Chapters**

Ayieko, R. & Kanyongo, G. Y. (2017). Trends in Teacher Quality and Mathematics Competency Levels in Kenya, In M. Gatua et al *Kenyan Education System: Are We Preparing Students to Meet Current Global Needs and Challenges*. Boom [D].

Kanyongo, G.Y., Schreiber, J.B., & Brown, L.I. (2008) Research on Mathematics and Reading Education in sub-Saharan Africa: Cases of Botswana and Lesotho. Research on Education in Africa, the Caribbean and the Middle East: Volume V: Undertaking Educational Challenges in the 21<sup>st</sup> Century.

Schreiber, J.B., Saddiga, A.G., Schmeck, R.A., Kanyongo, G.Y., & Brown, L.I. (2008). Learning process and beliefs of Saudi Arabian Students. Research on Education in Africa, the Caribbean and the Middle East. Volume V: Undertaking Educational Challenges in the 21st Century.

## **C. Manuscripts Under Review**

Ayieko, R. A., Kanyongo, G., Nelson, B. (under review). "Teacher Quality and Mathematics Competencies of 6th Grade Students and Teachers: A Comparative Study. *Africa Journal of Teacher Education*

## **D. Grants/Funding Received**

Kanyongo, G. Y. (2015). Math Professional Development Initiative Evaluation, Principal Investigator.

Kanyongo, G.Y. (2013). Investing in Innovation (i3) Case Studies Evaluation, Co-Principal Investigator.

Kanyongo, G. Y. (2013). An evaluation of the impact of the Braddock Youth Program (BYP) on the Braddock community, Principal Investigator.

Hopson, R. K. & Kanyongo, G. Y. (2012). Program Evaluation and training workshops on Outcomes implementation and assessments, Co-Principal Investigator.

Kanyongo, G. Y. & Hopson, R. K. (2011). Evaluation of Certificate Programs Offered through Area Studies Centers at the University Center for International Studies at the University of Pittsburgh, Co-Principal Investigator, GOV-Department of Education (DE).

Nickerson, C., Thurkettle, M., & Kanyongo, G. Y. (2008). Reflective Judgment and Evidence-Based Practice Readiness Across Nursing Education Program Level, Co-Investigator, National League of Nursing.

Hopson, R. & Kanyongo, G. Y. (2007). Evaluation of the Pittsburgh Public School District's implementation and outcome efforts for year 1 of Project 720, Principal Investigator, Pittsburgh Public Schools.

#### **E. Working Papers**

Kanyongo, G. Y. (2016). "Cross-cultural application of the statistics anxiety rating scale.

Kanyongo, G.Y. (2016). "Mathematics self-efficacy and achievement among African American high school students.

Kanyongo, G. (2015). "A Structural Equation Model Explaining 6th Grade Mathematics Achievement Using SACMEQ III Data.

Ayieko, R. A. & Kanyongo, G. Y. (2015). Teacher Quality and Student Achievement. A Comparative Study of Kenya and Zimbabwe."

#### **F. Refereed Proceedings of Conferences**

Kanyongo, G. Y. & Schreiber, J.B., (2015, September). *A Structural Equation Model Explaining 6th Grade Mathematics Achievement Using SACMEQ III Data*. In A. Rogerson (Ed.). Proceedings of the 13<sup>th</sup> International Conference of the Mathematics Education into the 21<sup>st</sup> Century Project. Catania, Italy. WTM-Verlag Publishers.

Kanyongo, G.Y. (2011, September). *Using Large-Scale Datasets to Teach Abstract Statistical Concepts*. In A. Rogerson (Ed.). Proceedings of the 11<sup>th</sup> International Conference of the Mathematics Education into the 21<sup>st</sup> Century Project. Grahamstown, South Africa, Rhodes University. WTM-Verlag Publishers

#### **G. Conference Presentations**

##### **International**

Ayieko, R. & Kanyongo, G. Y. (2017, January). *Mathematics Competencies in Relation to Teacher Quality: A Case of Zimbabwe*. Paper presented at the annual conference of the Southern African Association for Mathematics, Science and Technology Education, Bloemfontein, South Africa.

Kanyongo, G. & Ayieko, R. (2016, January). *Hierarchical Linear Modeling of Students' SES and School Factors on Mathematics Achievement in Kenya and Zimbabwe*. Paper presented at the annual conference of the Southern African

Association for Research in Mathematics, Science and Technology Education  
Pretoria, South Africa.

- Ayieko, R. A. & Kanyongo, G. Y. (2015, March). *Teacher Quality and Student Achievement. A Comparative Study of Kenya and Zimbabwe*. Paper presented at the annual conference of the Comparative International Education Society, Washington, District of Columbia.
- Haug, A., Zeleke, W., Kanyongo, G. Y., & Zhang, J. (2015, January). *Examining Disparities of Mental Healthcare Access and Use in Immigrant Children with ASD*. Paper presented at the 17th International Conference on Autism, Intellectual Disability & Developmental Disabilities, Honolulu, Hawaii.
- Kanyongo, G. Y. & Schreiber, J.B., (2015, September). *A Structural Equation Model Explaining 6th Grade Mathematics Achievement Using SACMEQ III Data*. Paper presented at the International Conference of The Mathematics Education into the 21st Century Project, Cantina, Italy.
- Kanyongo, G. Y. & Ayieko, R. A. (2015, March). *Hierarchical Linear Modeling of Students' SES and School Factors on Mathematics Achievement: A Comparative Study between Kenya and Zimbabwe*. Paper presented at the annual conference of Comparative International Education Society, Washington, District of Columbia.
- Zeleke, W., Haug, A., & Kanyongo, G. Y. (2015, January). *The Lived Experience of Immigrant children with ASD in utilizing mental healthcare Service*. Paper presented at the 17th International Conference on Autism, Intellectual Disability & Developmental Disabilities, Honolulu, Hawaii.
- Kanyongo, G. Y., Stokes, H., & Ramos, R. (2014, March). *Creating hope: Youth Agency for Community Development*. Paper presented at the annual conference of Comparative International Education Society, Toronto, Canada-Ontario.
- Patel, B., Khamal, K. M., Kanyongo, G. Y., & Elliot, J. L. (2012). *Direct Incremental Costs of Chronic Obstructive Pulmonary Disease (COPD) and Asthma in the United States*. Paper presented at the annual conference of the International Society For Pharmacoeconomics and Outcomes Research, Washington, District of Columbia.
- Kanyongo, G.Y. (2011, September). *Using Large-Scale Datasets to Teach Abstract Statistical Concepts*. Paper presented at the International Conference of The Mathematics Education into the 21st Century Project, Grahamstown, South Africa.

Crothers, L.M., Kanyongo, G.Y., Field, J.E., Kolbert, J.B., Blasik, J., D. Keener (2009). *Job stress and locus of control in teachers: Comparisons between a United States' and Zimbabwean sample*. American Psychological Association, Toronto, Canada.

Kanyongo, G.Y. (2005, October). *Using a learner-centered approach to teach introductory graduate statistics course online*. International Conference on Improving University Teaching, Pittsburgh, Pennsylvania.

### **National**

Ayieko, R. & Kanyongo, G. Y. (2016, August). *Trends in Teacher Quality and Mathematics Competency Levels in Kenya*. Paper presented at the annual conference of the Kenya Scholars Studies Abroad (KESSA), Atlanta, United States of America.

Crothers, L. M., Field, J. E., Kolbert, J. B., & Kanyongo, G. Y. (2012, February). *Identity cognitive processing and relational and social aggression in adolescence*. Paper presented at the annual convention of the National Association of School Psychologists, Seattle, Washington.

Crothers, L. M., Kolbert, J. B., & Kanyongo, G. Y. (2012, February). *Relational and social aggression and reflective processing in late adolescence*. Paper presented at the annual convention of the National Association of School Psychologists, Seattle, Washington.

Kanyongo, G.Y., Brown, L. I., & Schreiber, J.B. (2011, April). *Predicting Teachers' Content Knowledge of Mathematics in Namibia*. Paper presented at the annual convention of the American Educational Research Association, New Orleans, Louisiana.

Brown, L.I. & Kanyongo, G.Y. (2009, April). *A Quantitative Case Study of Mathematics Attainment and Attitude Among 8-10-Year-Olds in Trinidad and Tobago*. Paper presented at the annual convention of the American Educational Research Association, San Diego, California.

Kanyongo, G., Hospon, R.K., Ross, S., Adams, J., Brooks, C., E. Maurhoff (2009, October). *Toward High School Reform: An Evaluation of the First Year in an Urban School District*. Paper presented at the annual convention of the American Educational Research Association, San Diego, California.

Nickerson, C., Thurkettle, M.A., & Kanyongo, G.Y. (2009, September). *Reflective Judgment in Nursing Students: Epistemic Cognition for Evidence Based Practice*.

Paper presented at the annual conference of the National League for Nursing Research Conference, New Orleans, Louisiana.

Parke, C.S., Kanyongo, G.Y., & Kachmar, S. (2008, April). *Examining relationships among large-scale mathematics assessment performance, grade point average, and mathematics coursework in urban high schools*. Paper presented at the National Council on Measurement in Education, New York City, New York.

Kanyongo, G. & Schreiber, J.B. (2008, April). *Relationship between internal consistency and goodness of fit maximum likelihood factor analysis with varimax rotation*. Paper presented at the annual convention of the American Educational Research Association, New York City, New York.

Mvududu, N. & Kanyongo, G.Y. (2008, April). *Using Real-Life Examples to Teach Abstract Statistical Concepts*. Paper presented at the annual convention of the American Educational Research Association, New York city, New York.

Ross, S., Kanyongo, G.Y., Hospon, R.K., Adams, J., Brooks, C., E. Maurhoff (2008, October). *Evaluation of the Planning and Implementation Efforts for Year One of an Urban High School Reform Project*. Paper presented at the annual convention of the American Evaluation Association, Denver, Colorado.

Kanyongo, G., Brown, L.I., & Mvududu, N. (2007, April). *Measurement issues in international surveys in educational research: A focus on sub-Saharan Africa*. Paper presented at the annual convention of the American Educational Research Association, Chicago, Illinois.

Parke, C.S. & Kanyongo, G.Y. (2007, April). *A collaborative effort to develop school progress reports and analyze demographic, contextual, and performance indicators*. Paper presented at the annual convention of the American Educational Research Association, Chicago, Illinois.

Kanyongo, G., Certo, J., & Brown, L.I. (2006, April). *The relationship between home environment and reading achievement among 6th graders in Zimbabwe*. Paper presented at the annual convention of the American Educational Research Association, San Francisco, California.

Kanyongo, G., Schreiber, J., & Brown, L.I. (2006, April). *Factors affecting mathematics achievement among 6th graders in Botswana*. Paper presented at the annual convention of the American Educational Research Association, San Francisco, California.

Certo, J., Kanyongo, G.Y., & Brinda, W. (2005, June). Bringing literature to life for adolescents: Interventions and outcomes of a youth theatre/educational outreach program. National Council of Teachers of English, Pittsburgh, Pennsylvania.

Kanyongo, G. Y. (2005, April). *The influence of reliability on determining the number of components to retain*. Paper presented at the annual convention of the American Educational Research Association, Montreal, Canada.

Brooks, G.P., Kanyongo, G.Y., Kyei-Bankson, L., & Goceman, G. (2002, April). *Power and reliability for correlation and ANOVA*. Paper presented at the annual convention of the American Educational Research Association, New Orleans, Louisiana.

Brooks, G., Al-Harbi, K., Abdulla, A., Kanyongo, G.Y., Kye-Blanson, L., G. Gocmen (2002, April). *Teaching introductory statistics with the help of Monte Carlo Methods*. Paper presented at the annual convention of the American Educational Research Association, New Orleans, Louisiana.

### **Regional**

Moss, C. & Kanyongo, G.Y. (2007, October). *The Statistical Concepts Web*. Paper presented at the annual conference of the Mid-Western Educational Research Association, St. Louis, Missouri.

Kanyongo, G. Y. & Schreiber, J.B. (2005, October). *The relationship between internal consistency and goodness of fit in maximum likelihood EFA*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Columbus, Ohio.

Kanyongo, G.Y. (2004, October). *A Monte Carlo study of the reliability of the scree plot*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Columbus, Ohio.

Kanyongo, G.Y. & Brooks, G.P. (2003, October). *A Monte Carlo study of the influence of reliability on four rules for determining the number of components to retain from a principal components analysis*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Columbus, Ohio.

Brooks, G.P., Kanyongo, G.Y., Almohamandi, K., & Abdulla, A. (2002, October). *Teaching introductory statistics with the help of Monte Carlo methods*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Chicago, Illinois.

Kanyongo, G.Y., Kyei-Blankson, L., & Brooks, G.P. (2001). *Reliability and power. How reliability affects statistical power*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Chicago, Illinois.

Zhang, Y. & Kanyongo, G.Y. (2001, October). *An introduction to hierarchical linear models: Using SAS PROC MIXED and HLM to fit individual growth models*. Paper presented at the annual conference of the Mid-Western Educational Research Association, Chicago, Illinois.

#### IV. SERVICE

##### A. Service to the Profession

###### **Chair: Committee / Task Force**

2006 – 2007: Mid-Western Educational Research Association. Chair for the Research Methodology division, Mid-Western Educational Research Association (From 2006-2007, Regional Elected Position). Responsible for assigning manuscripts to reviewers submitted for consideration for the annual conference, working with the Program Chair to put the conference program together, chairing the division meeting at the annual conference.

2005 – 2006: Mid-Western Educational Research Association. Co-Chair of Division for the Research Methodology division, Mid-Western Educational Research Association (From 2005-2006, Regional Elected Position). Work with the co-Chair to assign manuscripts to reviewers submitted for consideration for the annual conference.

###### **Associate Editor**

2006-2009: Educational Measurement: Issues and Practice

###### **Reviewer - Article / Manuscript**

2016: Journal of STEM Education.

2014: Journal of Educational Research.

2013: Journal of STEM Education.

###### **Reviewer - Grant Proposal Related to Expertise**

2014: Economic and Social Research Council - United Kingdom.

###### **Member: Committee/Task Force**

2008 – 2011: American Educational Research Association. Membership Committee of the Research Methodology division, American Educational Research Association Responsible for recruiting new members to join the Research Methodology division.

###### **Reviewer: Ad Hoc Reviewer for a Journal**

2016: Women and health journal.

2006: Journal of Psychoeducational Assessment. Ad Hoc manuscript reviewer for the Journal of Psychoeducational Assessment (2006).

###### **Reviewer: Conference Paper**

2005 – 2010: American Educational Research Association. Proposal reviewer for the American Educational Research Association (2005 - present). Duties include reviewing proposals submitted to the Research Methodology division of the American Educational Research Association for presentation at the annual convention.

2004 – 2010: Mid-Western Educational Research Association. Proposal reviewer for the Mid-Western Educational Research Association (2004-2010). Duties include reviewing proposals submitted to the Research Methodology division of the Mid-Western Educational Research Association for presentation at the annual convention.

2007 – 2008: National Council on Measurement in Education. Proposal reviewer for the National Council on Measurement in Education (2007 - 2008). Duties include reviewing proposals submitted for possible presentation at the annual national convention.

### **Service to the Institution**

#### **Department Assignments**

##### **Member:**

2005-2006: Faculty Search Committee

#### **College Assignments**

##### **Member:**

2014-2015: Canevin Center for Educational Transformation

2009 –present: School of Education Student Standing Committee

2010-2014: School of Education IRB Committee

2009-2010 – 2010-2011: Faculty Search Committee

2007-2008: Faculty Search Committee

2014-2015: School of Education Dean Evaluation Committee

2014-2015: School of Education Tenure and Promotion Committee

#### **University Assignments**

##### **Member:**

2017 – Present: Distinguished Dissertation Award Committee

2010-2014: University IRB Committee

2014-2015: University Grievance Committee

2011-2012: University Library Committee