

# Kristin L. K. Koskey, Ph.D.

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## APPOINTMENTS

September 2020 – present	Visiting Scholar, Drexel University Co-Director, The Methods Lab School of Education
August 2020 – present	Part-Time Instructor, The University of Akron College of Health Professions, School of Counseling
August 2014 – August 2020	Associate Professor, The University of Akron LeBron James Family Foundation College of Education Educational Foundations & Leadership; Assessment, Evaluation, & Data Literacy
August 2009 – August 2014	Assistant Professor, The University of Akron College of Education Educational Foundations & Leadership; Assessment, Evaluation, & Data Literacy

## EDUCATION

2009	Ph.D.	The University of Toledo, Educational Research and Measurement Minor: Educational Psychology
2006	M.E.	The University of Toledo, Educational Psychology
2004	B.S.	Baldwin-Wallace College, Psychology, Summa Cum Laude

## GRADUATE LEVEL TEACHING EXPERIENCE

*\*Quality Matters in Online Learning Certified*

### The University of Akron

Aug 2009 – Aug 2020	<ul style="list-style-type: none"><li>Advanced Statistics</li><li>Assessment, Evaluation, &amp; Data Literacy Master's Project I</li><li>Assessment, Evaluation, &amp; Data Literacy Master's Project II</li><li>Individual and Family Life Span Development</li></ul>	<ul style="list-style-type: none"><li>Introduction to Classroom Assessment*</li><li>Introduction to Educational Evaluation*</li><li>Introduction to Statistics in Education &amp; Human Services</li><li>Qualitative Methods II</li><li>Seminar in Mixed Methods Research</li><li>Using Research to Inform Practice</li></ul>
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### The University of Toledo

Aug 2006 – 2009	<ul style="list-style-type: none"><li>Quantitative Methods I</li></ul>
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## UNDERGRADUATE LEVEL TEACHING EXPERIENCE

### The University of Toledo

Aug 2006 – May 2007	<ul style="list-style-type: none"><li>Early Child Development for Early Childhood Educators</li></ul>
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## PEER-REVIEWED PUBLICATIONS

1. Provinzano, K., Sondergeld, T. A., & **Koskey, K. L. K.** (in press). Impact of a community school on immigrant refugee youth academic outcomes: Report on findings and methodological reflection. In R. Martin Reardon & J. Leonard (Eds.), *School-University-Community Collaboration and the Immigrant Educational Experience*. Charlotte, NC: Information Age Publishing.
2. **Koskey, K. L. K.**, & Weigold, I. K. (in press). Experimental research. In S. Flynn (Ed.), *Research Design in the Behavioral Sciences: An Applied Approach*. New York, NY: Springer.
3. **Koskey, K. L. K.**, Makki, N., Ahmed, W. A., Garafolo, N., & Visco, D. (2020). Reliability and validity study of the Engineering Concept Assessment modified for middle school level: Application of the multi-facet Rasch model. *School Science and Mathematics, 120*, 245-257.
4. **Koskey, K. L. K.**, Makki, N., Ahmed, W., Garafolo, N. G., Visco, D., Kruggel, B. G., & Halasa, K. (2019). A validity study applying the Rasch model to the American Association for the Advancement of Science force and motion sub-topic assessment for middle school students. *Journal of Applied Measurement, 20*(3), 243-258.
5. Maguth, B. M., & **Koskey, K. L. K.** (2019). Preparing urban youth to live-up to their civic promise? Evaluating youth positionality of civic engagement using an arts-based instrument. *Journal of Social Studies Education Research, 10*(1), 1-37.
6. Makki, N., Garafolo, N. G., Halasa, K., Ahmed, W., **Koskey, K. L. K.**, & Visco, D. (September, 2017). Exploring the engineering design process through computer-aided design and 3-D printing. *Science Scope, 51*-62.
7. **Koskey, K. L. K.**, Mudrey-Camino, R. R., & Ahmed, W. (2017). Rasch derived Teachers' Emotions Questionnaire. *Journal of Applied Measurement, 8*(1), 67-86.
8. **Koskey, K. L. K.**, & Kushner Benson, S. N. (2017). A review of literature and a hierarchical model for scaffolding asynchronous student-student interaction. In P. Vu, S. Fredrickson, & C. Moore (Eds.), *Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education*, Chapter 12 (263-280). IGI Global.
9. **Koskey, K. L. K.**, Sondergeld, T. A., Stewart, V. C., & Pugh, K. J. (2016). Applying the mixed methods Instrument Development and Construct Validation Process: The Transformative Experience Questionnaire. *Journal of Mixed Methods Research*. doi:10.1177/1558689816633310
10. **Koskey, K. L. K.** (2016). Using the cognitive pre-testing method to gain insight into participants' experiences: An illustration and methodological reflection. *International Journal of Qualitative Methods, 15*(1), 1-13. doi:10.1177/1609406915624577
11. Sondergeld, T. A., **Koskey, K. L. K.**, Stone, G. E., & Peters-Burton, E. (2016). Data-driven STEM assessment. In C. Johnson, E. E. Peters-Burton, & T. J. Moore (Eds.), *STEM roadmap: A framework for integrated STEM education*, Chapter 8 (pp. 165-188). Routledge.
12. **Koskey, K. L. K.**, Cain, B., Alvim, H. G., Sondergeld, T. A., Slager, E., & Kennedy-Phillips, L. C. (2015). A mixed-methods investigation of factors and scenarios influencing college students' decision to complete surveys at five mid-western universities. *Mid-Western Educational Researcher, 27*(1), 3-30.
13. **Koskey, K. L. K.**, & Stewart, V. C. (2014). A concurrent mixed methods approach to examining the quantitative and qualitative meaningfulness of absolute magnitude estimation scales in survey research. *Journal of Mixed Methods Research, 8*(2), 180-202. doi:10.1177/1558689813496905
14. Pugh, K. J., **Koskey, K. L. K.**, & Linnenbrink-Garcia, L. (2013). High school biology students' transfer and conceptual understanding of the concept of natural selection over time: A mixed methods approach. *Journal of Biological Education, 1*-11.
15. **Koskey, K. L. K.**, Sondergeld, T. A., Beltyukova, S. A., & Fox, C. M. (2013). An experimental study using Rasch analysis to compare absolute magnitude estimation and categorical rating scaling as applied in survey research. *Journal of Applied Measurement, 14*(3), 262-281.
16. **Koskey, K. L. K.**, & Shermis, M. D. (2013). Norming and scaling for automated essay scoring. In Shermis, M. D., & Burstein, J. (Eds.), *Automated essay scoring: A cross-disciplinary perspective* (2nd ed.), Chapter 12 (pp. 199-220). Routledge Academic.
17. Sondergeld, T. A., & **Koskey, K. L. K.** (2013). Numbers are important in evaluation, but they don't always tell the full story. In G. Mazurkiewicz's *Przywództwo i zmiana w edukacji: Ewaluacja jako mechanizm doskonalenia* (Leadership and change in education: Evaluation – Tool for improvement), pp. 293-300.

18. Linnenbrink-Garcia, L., Pugh, K. J., **Koskey, K. L. K.**, & Stewart, V. C. (2012). Developing conceptual understanding about natural selection: The role of interest, efficacy, and prior knowledge. *The Journal of Experimental Education*, *80*, 45-68.
19. Sondergeld, T. A., & **Koskey, K. L. K.** (2011). Evaluating the impact of an urban comprehensive school reform: An illustration of the need for mixed methods. *Studies in Educational Evaluation*, *37*(2-3), 94-107. doi:10.1016/j.stueduc.2011.08.001
20. Stone, G. E., **Koskey, K. L. K.**, & Sondergeld, T. A. (2011). Comparing construct definition in the Angoff and objective standard setting models: Playing in a house of cards without a full deck. *Journal of Educational and Psychological Measurement*, *71*(6), 942-962.
21. Linnenbrink-Garcia, L., Rogat, T. K., & **Koskey, K. L. K.** (2011). Affect and engagement during small group instruction. *Contemporary Educational Psychology*, *36*(1), 13-24.
22. **Koskey, K. L. K.**, Karabenick, S. A., Woolley, M. E., Bonney, C. R., & Ammon, B. V. (2010). Cognitive validity of students' self-reports of classroom mastery goal structure: What they are thinking and why it matters. *Contemporary Educational Psychology*, *35*(4), 254-263.
23. Pugh, K. J., Linnenbrink-Garcia, E. A., **Koskey, K. L. K.**, Stewart, V. C., & Manzey, C. (2010) Teaching for transformative experiences and conceptual change: A case study and evaluation of a high school biology teacher's experience. *Cognition & Instruction*, *28*(3), 273-316.
24. Pugh, K. J., Linnenbrink-Garcia, E. A., **Koskey, K. L. K.**, Stewart, V. C., & Manzey, C. (2010). Motivation, learning and transformative experience: A study of deep engagement in science. *Science Education*, *94*, 1-28.
25. Karabenick, S. A., Woolley, M. E., Friedel, J. M., Ammon, B. V., Blazeovski, J., Bonney, C. R., De Groot, E. D., Gilbert, M. C., Musu, L., Kempler, T. M., & **Kelly, K. L.** (2007). Cognitive processing of self-report items in educational research: Do they think what we mean? *Educational Psychologist*, *42*, 139-151.

#### PEER-REVIEWED PROCEEDING PUBLICATIONS (RECENT)

26. **Koskey, K. L. K.**, Alshabani, N., Maguth, B. M., Daviso, A., & Greer, J. A. (2019). *Application of a treatment fidelity framework for systematic reporting in school-based mentor programs: Illustration using iC.A.R.E. Mentoring in the United States*. Proceedings of the International Conference of Education, Research and Innovation, Seville, Spain. doi:10.21125/iceri.2019.1310
27. Ahmed, W., Liang, X., **Koskey, K.**, & Makki, N. (2019). *Year-round schooling: Does it reduce summer slide for economically disadvantaged students?* Proceedings of the International Conference of Education, Research and Innovation, Seville, Spain. doi:10.21125/iceri.2019.0876
28. **Koskey, K. L. K.**, Ahmed, W., Makki, N., Garafolo, N. G., Kruggel, B., & Visco, D. (2018). Zipping to STEM: Integrating engineering design in middle school science. *Proceedings of the American Society for Engineering Education*, 23253.
29. **Koskey, K. L. K.**, Garafolo, N. G., Makki, N., Ahmed, W., Visco, D. P., & Samreddy, U. R. (2017). Work-in-Progress: Validity and reliability testing of the Engineering Concept Assessment modified for eighth grade. *Proceedings of the American Society for Engineering Education*, 18621.
30. Makki, N., Garafolo, N. G., Ahmed, W., **Koskey, K.**, Visco, D. P. Jr., & Halasa, K. (2017, June). *Integrating engineering design using CAD software with force and motion concepts in middle school (Resource Exchange)*. American Society for Engineering Education Annual Conference & Exposition, Columbus, Ohio.

#### NON-PEER REVIEWED PUBLICATION

- **Koskey, K. L. K.** (2012, January). A request from the historian: Help update the archival records of the Score. *The Score: American Psychological Association, Division 5 – Evaluation, Measurement, and Statistics*, XXXIV(1), p. 19.

#### FEDERAL GRANT AWARDED

- Visco, D. (PI), Ahmed, W., Garafolo, N. G., **Koskey, K.**, & Makki, N. (Sept 2015 – July 2019) (3-year undertaking with 1 year no-cost extension granted) (\$742,356). National Science Foundation – Innovative Technology Experiences for Students and Teachers (Research grant NSF 14-512). *Zipping towards STEM: Integrating engineering design into the*

*middle school physical science curriculum.* The University of Akron. Main role was related to research design, development of assessments, validity and reliability testing, data analyses, and supporting the external program evaluation activities.

## STATE GRANTS AWARDED

- Maguth, B., **Koskey, K.**, Daviso, A., Foster, H., Weeks, H., Walker, R., Cleary, P., Lewis, P., & Liddle, D. (August, 2018) (1-year undertaking) (\$101,498). *Connecting at-risk middle and high school students with mentors.* Ohio Department of Education, Community Connector Initiative.
- Maguth, B., **Koskey, K.**, Daviso, A., Foster, H., Weeks, H., Walker, R., Cleary, P., Lewis, P., & Liddle, D. (June, 2017) (1-year undertaking) (\$99, 993). *Connecting at-risk middle and high school students with mentors.* Ohio Department of Education, Community Connector Initiative.
- Maguth, B., **Koskey, K.**, Daviso, A., Foster, H., Weeks, H., Walker, R., Cleary, P., Lewis, P., & Liddle, D. (June, 2016) (1-year undertaking) (\$99, 993). *Connecting at-risk middle and high school students with mentors.* Ohio Department of Education, Community Connector Initiative.
- Maguth, B., Foster, H., **Koskey, K.**, Urycki, P., Weeks, H., Walker, R., Cleary, P., Lewis, P., & Liddle, D. (August, 2015) (1-year undertaking) (\$75, 889). *Making at-risk high school students visible and college ready through Strong Community Mentorship Project.* Ohio Department of Education, Community Connector Initiative.

## INTERNAL GRANTS AWARDED

- **Koskey, K. L. K.** (May, 2010) (1-year undertaking) (\$1,908). *Applying the instrument development and construct validation framework to a measure of transformative experience in science and history.* Internal grant funded by the College of Education, The University of Akron.
- University Funded *Co-Principal Investigator* Mudrey-Camino, R. R., **Koskey, K. L. K.**, & Knight, C. (May, 2010) (1-year undertaking) (\$2,000). *Development of the Teachers' Emotions Questionnaire using confirmatory factor analysis and Rasch rating scale analysis.* Internal grant funded by the College of Education, The University of Akron.

## INTERNATIONAL CONFERENCE PRESENTATIONS

1. **Koskey, K. L. K.**, Alshabani, N., Maguth, B. M., Daviso, A., & Greer, J. A. (2019, November). *Application of a treatment fidelity framework for systematic reporting in school-based mentor programs: Illustration using iC.A.R.E. Mentoring in the United States.* Virtual presentation accepted for presentation at the International Conference of Education, Research and Innovation, Seville, Spain.
2. Makki, N., & **Koskey, K. L. K.** (2019, April). *Exploring changes in instructional practices through teacher reflection.* Poster presented at the National Association for Research in Science Teaching, Baltimore, MD.
3. Ahmed, W. A., Makki, N., **Koskey, K.**, Garafolo, N. G., & Visco, D. P. (2018, April). *Impact of an integrated engineering curriculum on students' knowledge of and self-efficacy in engineering design.* Paper presented at the annual international conference of the National Association for Research in Science Teaching, Atlanta, GA.
4. Makki, N., & **Koskey, K.** (2018, April). *Challenges to teachers' implementation of inquiry strategies in the physics classroom.* Paper presented at the annual international conference of the National Association for Research in Science Teaching, Atlanta, GA.
5. Maguth, B., **Koskey, K. L. K.**, & Kushner Benson, S. (2016, April). *I PROMISE Mentorship Program.* Paper presented at the annual meeting of the International Mentoring Association, Auburn, Alabama.
6. Sondergeld, T. A., **Koskey, K. L. K.**, Reinhart, R., & Stone, G. *Investigating the impact of assessment literacy professional development on primary and secondary teacher assessment confidence and teacher-created student tests of cognitive growth.* Paper presented at the 7th International Conference of Education, Research and Innovation, Seville, Spain.
7. Stone, G. E., Moulton, M., Sondergeld, T. A., & **Koskey, K. L. K.** (2014). *Rulers on roller skates: The question of variable dimensionality and meaningful measurement on examinations.* Paper presented at the annual International Objective Measurement Workshop, Philadelphia, Pennsylvania.

8. Stone, G. E., Sondergeld, T. A., & **Koskey, K. L. K.** (2012, April). *To reset or not to reset, that is the question: Equating in objective standard-setting for judge mediated examinations*. Paper presented at the annual meeting of the International Objective Measurement Workshop, Vancouver, DC.
9. **Koskey, K. L. K.**, Sondergeld, T. A., Stewart, V. C., Vuchek, K., & Pugh, K. J. (2012, April). *Reliability and validity of scores on the Transformative Experience Questionnaire adapted for the topics of properties of matter and genetics*. Paper presented at the annual international conference of the National Association for Research in Science Teaching, Indianapolis, IN.
10. Stone, G. E., Sondergeld, T. A., & **Koskey, K. L. K.** (2012, January). *Where we've failed: Why a lack of validity is hindering social science advancement*. Paper presented at the Hawaii International Conference on Education.
11. Kushner Benson, S. N., **Koskey, K. L. K.**, Liang, X., Milam, J., Spickard-Prettyman, S., & Ward, C. L. (2011, January). *Creating an online community for doctoral students: Lessons learned from TPACK*. Paper presented at the Hawaii International Conference on Education.
12. Stone, G. E., **Koskey, K. L. K.**, & Sondergeld, T. A. (2011, January). *Construct validity and standard setting: Rethinking the paradigm*. Paper presented at the Hawaii International Conference on Education.
13. Linnenbrink-Garcia, L., Rogat, T. K., & **Koskey, K. L. K.** (2010, September). *The relation of affect of behavioral, cognitive, and social engagement: Student engagement during small group instruction*. Paper presented at the annual meeting of the International Conference on Motivation, Porto, Portugal.
14. **Koskey, K. L. K.**, Belyukova, S. A., Fox, C. M., & Stone, G. E. (2010, April). *Examining quantitative and qualitative meaningfulness of data produced by absolute magnitude estimation scaling using the many-facet Rasch model and an instrumental case study*. Paper presented at the annual meeting of the International Objective Measurement Workshop, Boulder, CO.
15. Stone, G. E., **Koskey, K. L. K.**, & Sondergeld, T. A. (2010, April). *Construct definition and objective standard setting: Playing in a house of cards without a full deck*. Roundtable presentation at the annual meeting of the International Objective Measurement Workshop, Boulder, CO.
16. Manzey, C., Pugh, K. J., **Kelly, K. L.**, & Stewart, V. C. (2006, June). *Misconceptions in natural selection: Conceptual change through time in Biology classrooms*. Poster presented at the 7th International Conference of the Learning Sciences, Bloomington, IN.
17. Linnenbrink, E. A., **Kelly, K. L.**, & Kempler, T. M. (2005, August). *Affect during small group instruction: Implications for students' engagement and learning*. Paper presented at the 11th biennial conference of the European Association for Research on Learning and Instruction, Cyprus.

## NATIONAL CONFERENCE PRESENTATIONS

1. Provinzano, K., Sondergeld, T. A., **Koskey, K. L. K.**, & Flowers, A. (Under review). *Community school partnerships and their influence on immigrant and refugee youth educational experiences*. Paper submitted for consideration for presentation at the 2021 annual meeting of the American Educational Research Association, Orlando, FL.
2. **Koskey, K. L. K.**, Provinzano, K., Sondergeld, T. A., & Flowers, A. (Under review). *Sustained impact evaluation of an elementary community school on middle school STEM outcomes*. Paper submitted for consideration for presentation at the 2021 annual meeting of the American Educational Research Association, Orlando, FL.
3. Makki, N., **Koskey, K. L. K.**, Ahmed, W. A., Garafolo, N., Visco, D., & Halasa, K. (2020). *A mixed methods study of the impact of engineering professional development on teachers' motivation and practices*. Paper accepted for presentation at the 2020 National Association for Research in Science Teaching, Portland, OR.
4. Littrell, M. K., Leckey, E., Gold, A., Tayne, K., Okochi, C., **Koskey, K. L. K.**, & Sondergeld, T. A. (2020). *Engaging students in learning about climate change through filmmaking: A transformative educational experience*. Paper accepted for presentation at the 2020 National Association for Research in Science Teaching, Portland, OR.
5. **Koskey, K. L. K.**, Liang, X., Makki, N., & Kushner Benson, S. N. (2018, November). *Unique considerations in reporting program impact using case studies and participants' stories: Validity and confidentiality concerns*. Roundtable presented at the annual meeting of the American Evaluation Association, Cleveland, Ohio.
6. **Koskey, K. L. K.**, Ahmed, W., Makki, N., Garafolo, N. G., Kruggel, B., & Visco, D. P. (2018, June). *Zippering to STEM: Integrating engineering design in middle school science*. Paper presented at the annual meeting of the American Society for Engineering Education, Educational Research and Methods Division, Salt Lake City, Utah.



7. Ahmed, W. A., **Koskey, K. L. K.**, Makki, N., Garafolo, N. G., & Visco, D. P. (2018, February). *Middle school students' attitudes toward science, technology, engineering, and math (S-STEM) survey: Evaluation of factor structure and measurement invariance*. Poster presented at the annual meeting of the American Educational Research Association, New York City, NY.
8. Maguth, B., Daviso, A., **Koskey, K. L.K.**, & Stevic, E. (2018, February). *Connecting academically vulnerable middle and high school students with community mentors*. Poster presented at the annual meeting of the American Educational Research Association, New York City, NY.
9. Makki, N., Garafolo, N. G., Ahmed, W., **Koskey, K. L.K.**, & Visco, D. P. (2017, June). *Integrating engineering design using CAD software with force and motion concepts in middle school (resource exchange)*. Resource exchange presented at the annual meeting of the American Society for Engineering Education, Resource Exchange, Columbus, Ohio.
10. **Koskey, K. L. K.**, Garafolo, N. G., Makki, N., Ahmed, W., Visco, D. P., & Samreddy, U. R. (2017, June). *Evaluating students' understanding of an ability to transfer engineering design concepts: Engineering concept assessment modified for the eighth-grade level*. Work in progress presented at the annual meeting of the American Society for Engineering Education, Educational Research and Methods Division, Columbus, Ohio.
11. Maguth, B., & **Koskey, K. L. K.** (2016). *Using the significant circle in researching urban youth's sense of self in the social studies*. Paper presented at the annual meeting of the College and University Faculty Assembly of The National Council for the Social Studies, Washington, DC.
12. **Koskey, K. L. K.**, & Maguth, B. (2016). *A methodological illustration of the significant circle drawing technique to assess urban youth's sense of "self."* Paper presented at the Ethnographic & Qualitative Research Conference, Las Vegas, NV.
13. Cain, B., Alvim, H. G., & **Koskey, K. L. K.** (2015). *Surveying advisees to improve advising services? See what students have to say first!* Paper presented at the annual meeting of the National Academic Advising Association (NACADA), Las Vegas, NV.
14. **Koskey, K. L. K.**, & Ward, C. (2015). *An illustrative example of using designed interaction to scaffold student-student interaction in an online graduate course*. Roundtable presentation at the annual meeting of the American Educational Research Association, Chicago, IL.
15. Cain, B., **Koskey, K. L. K.**, Alvim, H. G., Sondergeld, T. A., Slager, E., & Kennedy-Phillips, L. C. (2014). *Factors contributing to college students' decision to complete self-report surveys at five universities*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
16. **Koskey, K. L. K.**, & Mudrey-Camino, R. (2014) *Rasch derived Teachers' Emotions Questionnaire*. Paper presented at the annual meeting of the American Educational Research Association, Rasch Sig, Philadelphia, PA.
17. Stone, G. E., **Koskey, K. L. K.**, Sondergeld, T. A., & Liu, M. Y. (2013, April). *Measuring student growth through Rasch vertical equating: Learning within and across grades*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
18. **Koskey, K. L. K.**, Stewart, V. C., Benson, K., & Pontau, J. (2011). *A collective instrumental case study of the qualitative meaningfulness of absolute magnitude estimation scales in survey research*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
19. Sondergeld, T. A., & **Koskey, K. L. K.** (2011). *Evaluating the impact of a comprehensive school reform in an urban junior high school: The need for mixed methods*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
20. **Koskey, K. L. K.**, Sondergeld, T. A., Beltyukova, S. A., & Fox, C. M. (2008, March). *Is absolute magnitude estimation scaling a viable alternative to categorical rating scaling in social sciences: An experimental study*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
21. **Koskey, K. L. K.**, Stewart, V. C., & Pugh, K. J. (2008, March). *The investigation of a measure of transformative experience: Assessing in-class and out-of-class engagement*. Paper presented at the annual meeting of the American Educational Research Association New York, NY.
22. Pugh, K., Linnenbrink-Garcia, E. A., **Kelly, K. L.**, Stewart, V. C., & Manzey, C. (2007). *Learning to teach for conceptual change and transformative experiences*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
23. Pugh, K., Manzey, C., Linnenbrink-Garcia, E. A., Stewart, V. C., & **Kelly, K. L.** (2007). *Transfer of the concept of natural selection*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

24. Linnenbrink-Garcia, E. A., Pugh, K., **Kelly, K. L.**, Stewart, V. C., & Manzey, C. (2007). *Developing conceptual understanding and engagement in high school biology: A motivational perspective*. Paper presented as part of a symposium at the biennial meeting of the Society for Research in Child Development, Boston, MA.
25. **Kelly, K. L.**, Bonney, C. R., & Ammon, B. V. (2006). *Cognitive pretesting: A revealing look at students' understanding about classroom mastery goal structure*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
26. Kumar, R., & **Kelly, K. L.** (2006). *Pre-service teachers' implicit theories of intelligence, attributions for success and failure, and achievement goals as predictors of their instructional practices*. Poster presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
27. Pugh, K. J., Linnenbrink, E. A., **Kelly, K. L.**, Manzey, C., & Stewart, V. C. (2006). *Motivation, learning, and transformative experience: A study of deep engagement in science*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

## REGIONAL CONFERENCE PANEL PRESENTATION

1. Kushner Benson, S. N., **Koskey, K. L. K.**, & Liang, X. (2018, February). *The ah ha! Moment: Transitioning a traditional online master's degree program to a course-based competency design*. Panel presentation at the 2018 New Explorations in Teaching with Technology (NEXT) conference. The University of Akron, Akron, Ohio.

## INVITED PRESENTATIONS

1. **Koskey, K. L. K.**, & Kushner Benson, S. N. (2016, February). *Using designed interaction to scaffold student-student engagement in online courses*. Presentation followed by breakout session at the first annual 2016 New Explorations in Teaching (NEXT) conference. The University of Akron, Akron, Ohio.
2. **Koskey, K. L. K.**, Sondergeld, T. A., Stewart, V. C., Vuchek, K., & Pugh, K. J. (2013, April). *Scaffolding and assessing students' engagement with the science content extending from inside to outside the classroom*. Workshop presented at the 2013 annual meeting of the National Science Teachers Association, San Antonio, Texas.
3. *A related research proposal presented at NARST (2012) was entered in a competition. Our proposal was ranked one of the top four. As a result, we were invited to submit a proposal for a workshop to present at NSTA (2013) on behalf of NARST (accepted).*
4. **Koskey, K. L. K.**, & Kushner Benson, S. (2011, October). *Reviewers' session*. Workshop on writing quality reviews of manuscripts and how to become a reviewer for the *Mid-Western Educational Researcher* presented at the annual conference of the Mid-Western Educational Research Association, St. Louis, MO.

## EVALUATIONS (RECENT)

<b>Lead Evaluator</b> 2015 – 2020	<b>National Science Foundation.</b> <i>Affording Opportunities for Success for First Generation, Economically Disadvantaged STEM Students With an Emphasis on Appalachia</i> (\$638,676). Goal: Recruit and retain a diverse group of students in STEM degree programs. <b>Roles:</b> Formative (annual) and summative evaluation of program objectives, rubric development, formative reporting to PI, and summative reporting to funder.
<b>Lead Evaluator</b> 2018-2019	<b>Canton City School District.</b> <i>Accelerating Innovative Minds Academy at Fairmount</i> (year-round school). Goal: Reduce inequality in urban student academic achievement. <b>Roles:</b> Coordinate 5-member evaluation team activities. School logic model development, cost/benefit analysis, evaluation of baseline student outcomes to inform leaders' decision-making, formative reporting to school leaders, and summative reporting to district leadership.
<b>Lead Evaluator</b> 2018	<b>Canton City School District.</b> <i>A Brighter Tomorrow</i> (2 <sup>nd</sup> – 3 <sup>rd</sup> & 4 <sup>th</sup> – 8 <sup>th</sup> grade summer programs) (\$679,144). Goals: Increase student passage rate for the Third-Grade Reading Guarantee and growth in literacy. <b>Roles:</b> Coordinate 5-member evaluation team activities. Cost/benefit analysis,

process program evaluation, outcome evaluation, and summative reporting to district leadership.

<b>Evaluator</b> 2015-2018	<b>Ohio Board of Regions.</b> <i>Partnership to Improve Physics Instruction Through Inquiry.</i> (\$213,159). Goals: Increase middle and high school teachers' understanding of physics concepts and use of modeling and inquiry-based methods in STEM teaching. <b>Roles:</b> Process evaluation observations, facilitation of focus groups, outcome evaluation, and summative reporting to funder.
<b>Lead Evaluator</b> 2015-2017	<b>LeBron James Family Foundation &amp; Akron Public School District.</b> <i>Akron I PROMISE Network Program.</i> Goal: Increase college readiness and graduation rate. <b>Roles:</b> Needs assessment, logic model development activities, facilitation of multiple stakeholder focus groups at hometown hall meetings (parents/caregivers, students), survey development, facilitation of foundation-school partnership discussions, co-development of mentorship program initiative in partnership with the University of Akron, process evaluation, outcome evaluation activities, formative reporting to multiple audiences, and summative reporting to foundation and district leadership/partners.
<b>Co-Evaluator</b> 2015	<b>Flo K Gault and the Martha Holden Jennings Foundation.</b> <i>Pen Ultimate Reading and Writing Enhancement Teacher Professional Development Program.</i> Goals: Increase K-12 teachers' writing skills and application of creative writing strategies in K-12 teaching. <b>Roles:</b> Process evaluation (observations, focus group facilitation), outcome evaluation, formative reporting to Co-PIs, and summative reporting to funders.
<b>Lead Evaluator</b> 2014	<b>Stan Hywet Hall &amp; Gardens.</b> <i>Meet the Staff Program.</i> Funders: Martha Holden Jennings, Dominion Foundation, & ONNOVA. Goals: Increase middle school students' literacy and critical thinking skills, as well as appreciation for Stan Hywet's legacy through an experiential learning-based investigation into the lives of Akron's historic immigrant population using primary sources and first-person interpretation. <b>Roles:</b> Scaffolding generation of program objectives linked to learning standards, assessment development, process evaluation (field observations), outcome evaluation, and summative reporting to Stan Hywet Hall & Gardens leadership.
<b>Lead Evaluator</b> 2014	<b>Stan Hywet Hall &amp; Gardens.</b> <i>Preserving the Past Program.</i> Funders: Martha Holden Jennings, Dominion Foundation, & ONNOVA. Goals: Increase middle school students' literacy and science inquiry skills through an experiential learning-based program centered around the preservation of Stan Hywet's 100-year-old landscape design. <b>Roles:</b> Scaffolding generation of program objectives linked to learning standards, assessment development, process evaluation (field observations), outcome evaluation, and summative reporting to Stan Hywet Hall & Gardens leadership.
<b>Evaluator</b> 2014	<b>Ohio Department of Education's Straight A Fund.</b> <i>Oregon City Schools Assessment Development, Pilot, and State-Wide Dissemination.</i> <b>Roles:</b> Item analyses, growth analyses, and classroom level performance report generation.

## OTHER CONSULTING SERVICES

<b>Culture Catalyst, LLC, Chicago, IL</b> 2019	<b>Mixed Methods Research Design Workshop</b> for the National Institute of Standards and Technology (NIST), U.S. Department of Commerce. Designed and implemented a one-week interactive one-week workshop on core designs in mixed methods centered around research agendas within NIST.
<b>The Rucks Group, Dayton, OH</b> 2017	<b>Data Analytic Consultant.</b> Short-term project-based contract to consult on predictive analytics for evaluation projects.



<b>Culture Catalyst, LLC, Chicago, IL</b> 2016	<b>Survey Development Workshop</b> for the National Institute of Standards and Technology (NIST), U.S. Department of Commerce. Designed and implemented a three-week interactive workshop on survey development centered around research agendas related to usability testing.
<b>University of Akron, Akron, OH</b> 2010	<b>Survey Development.</b> Franco-American Teachers-in-Training program, U.S. Department of State, Franco-American Commission for Educational Exchange & French Ministry of Education. Developed surveys aligned to program objectives.
<b>MetriKs Amérique, Sylvania, OH</b> 2007 - 2015	<b>Psychometric Consultant.</b> Assisted in facilitation of item writing workshops for the American Osteopathic Board of Surgery for written and oral board certification exams. Consulted on measurement development of middle and high school students' college readiness and degree of teacher engagement in the Laying the Foundation program implemented across three states.
<b>American Board for Certification of Teacher Excellence, Washington, DC</b> 2008 - 2010	<b>Psychometric Consultant.</b> Psychometric analyses of board certification exams (item analyses, DIF analyses, test equating, computation of score conversion tables).

## EDITORIAL SERVICES

- **Editorial Board Consulting Member**, *Psychological Assessment*  
2017 – Present; 2014-15
- **Manuscript Reviewer**, *School Science and Mathematics, Journal of Mixed Methods Research, Mid-Western Educational Researcher, Behavior Therapy, Journal of Educational Psychology, Field Methods*  
2010 – Present
- **External Grant Proposal Reviewer**, General Research Fund & Early Career Scheme, Hong Kong  
2017 – 2020
- **Book Reviewer**, Mertens, D. M., & Wilson, A. T. *Program evaluation theory and practice: A comprehensive guide*. New York, NY: Guilford.  
2017
- **Journal Co-Editor**, *Mid-Western Educational Researcher*  
2010 – 2013
- **Book Reviewer**, Spaulding, D. T. *Program evaluation in practice: Core concepts and examples for discussion and analysis* (2nd ed.). San Francisco, CA: Jossey-Bass.  
2013
- **Invited Standards Reviewer**, *Joint Committee on Standards for Educational Evaluation*  
2012
- **Publication Competition Reviewer**, American Educational Research Association – Division H Outstanding Publications Competition, Category 5 (Summary Reports/NCLB Informational Materials)  
2010

## CONFERENCE PROPOSAL REVIEWER

- **American Educational Research Association**, *Division D Graduate Student In-Progress Research Gala*  
2010, 2014, 2015, 2018
- **American Educational Research Association**, Division D Section 1: Psychometrics, Measurement, and Assessment; Mixed Methods Research Sig.  
2011, 2013, 2015

- **American Educational Research Association, Rasch Sig**  
2012, 2014, 2015
- **American Educational Research Association, Mixed Methods Sig; Division D Measurement and Research Methodology**  
2013
- **American Educational Research Association, Division H Research, Evaluation, and Assessment in Schools Section 1 – Applied Research in the Schools**  
2010
- **National Association for Research in Science Teaching, Strand 10: Curriculum, Evaluation, and Assessment**  
2009, 2010
- **National Association for Research in Science Teaching, Strand 1 (Science, Learning, Understanding, and Conceptual Change) Strand 2 (Science Learning), Strand 12 (Educational Tech.), & S**  
2009

## NATIONAL PROFESSIONAL SERVICE

- **Session Chair, Annual Meeting of the American Educational Evaluation Association, Learning From Experience to Power, Cleveland, OH**  
2018
- **Expert Survey Reviewer, National Institute of Standards and Technology, U.S. Department of Commerce (Public Safety, First Responders, and Perceptions of Gender Discrimination surveys)**  
2018, 2020
- **Historian, American Psychological Association, Division 5 – Research, Measurement, & Statistics**  
2011–2014

## REGIONAL PROFESSIONAL SERVICE

- **Conference Co-Chair, New Explorations in Teaching Annual Conference, Akron OH**  
2019–2020
- **Steering Committee Member, New Explorations in Teaching Annual Conference, Akron OH**  
2015–2016
- **Discussant, Educational Research Exchange – Session: Evaluation, Measurement, and Statistics**  
2010

## AWARDS AND HONORS (SELECTED)

- **Outstanding Research Award, The University of Akron, LeBron James Family Foundation College of Education**  
2016
- **Outstanding Teaching Award, The University of Akron, College of Education**  
2015
- **Outstanding Graduating Student in Educational Psychology (Doctoral), The University of Toledo, College of Education**  
2015
- **Outstanding Graduating Student in Educational Psychology (Masters), The University of Toledo, College of Education**  
2006

## PROFESSIONAL AFFILIATIONS

- American Evaluation Association
- American Educational Research Association (Division D: Measurement and Research Methodology; Division H: Research, Evaluation, and Assessment in Schools; Rasch Sig; Mixed Methods Sig)

## PROFESSIONAL DEVELOPMENT

- **Mixed Methods Design in Evaluation**, Virtual workshop hosted by the American Evaluation Association. 2020, June
- **Using Propensity Score Methods to Improve the Validity of Causal Inferences**, Workshop hosted at the annual meeting of the American Evaluation Association, Cleveland, OH. 2018, November
- **Using Dedoose to Enhance the Qualitative Research Process**, Workshop hosted at the Ethnographic & Qualitative Research Conference, Las Vegas, NV 2016, January
- **GradNation Summit**, *Challenges and solutions for raising High School Graduation Rates: Preparing all young people for success*. Workshop hosted by Summit Education Initiative, America's Promise Alliance, and ATT's GradNation 2016, January
- **Decoding the standards: Overview of the Joint Standards for Educational and Psychological Testing**, Webinar hosted by the Buros Center for Testing April 2015
- **Mixed methods research analyzing survey data with NVivo**, Webinar hosted by Stuart Robertson of QSR International 2013, June
- **Structural Equation Modeling: Basic Concepts and Applications**, Workshop hosted at the annual meeting of the American Psychological Association 2012, August
- **Using NVivo to Improve Research Team Collaboration**, Webinar hosted by QSR International. 2012, June
- **Quality Matters in Online Course Design**, Five-week online course on implementing the quality matters rubric in online course design, The University of Akron. 2010, April
- **Building the NSF Grant Proposal**, Grant writing workshop, The University of Toledo. 2008, December
- **Analysis of Missing Data**, Workshop hosted at the annual meeting of the American Educational Research Association, Chicago, IL 2007, April
- **Understanding the Development of Children From an Ecological Perspective**, ICPSR Summer Program in Quantitative Methods of Social Science Research, University of Michigan 2006, August

## EXPERIENCE WITH SOFTWARE PROGRAMS

- Proficient in Blackboard, WebEX, Teams, Zoom, Brightspace, G\*Power 3, Excel, FACETS, SPSS, WINSTEPS, and Qualtrics
- Enhancing skills (basic) in R and QDAMiner

## DEPARTMENT LEVEL SERVICE

### THE UNIVERSITY OF AKRON

*College of Education, Department of Educational Foundations and Leadership*

- Review for Tenure and Promotion Committee Member, 2015 – 2019
- Ed.D./MBA Program Development, Ad Hoc Committee Member, 2015 – 2017
- Department Faculty Chair, Elected, 2014 – 2016
- Department Faculty Secretary, Elected, 2015 – 2017
- Department Faculty Secretary, Elected, 2010 – 2014
- Search Committee Member – Tenure-Track Professor in Educational Psychology, 2012

## COLLEGE LEVEL SERVICE

### THE UNIVERSITY OF AKRON

*LeBron James Family Foundation College of Education*

- Urban STEM Center, Affiliated Faculty Member  
2019 – 2020
- Co-Chair, Workload, Merit, and Bylaws Ad Hoc Committee, Elected  
2019
- College Council Secretary, Elected  
January 2019 – May 2019
- CAEP Response Ad Hoc Committee Member - Development of assessment cycle adopted in February 2019;  
Addressed stipulation from CAEP since removed as of Fall 2019  
2018 – 2019
- CAEP Accreditation Site Visit Participant - Focus group interview participant, prepared documentation to showcase  
two university-school partnerships with the LeBron James Family Foundation/Akron Public School district and  
Barberton City School district  
October 2017
- College Review for Tenure & Promotion Committee Member, Elected  
2014 – 2015; 2017 – 2018
- Technology Committee Member  
2016 – 2017
- CAEP Mission Committee Member  
2016 – 2017
- Mission, Guiding Principles, and Metrics Ad Hoc Committee Member  
2013 – 2014
- Graduate Studies Committee Member, Elected Representative for the College of Education  
2010 – 2012
- Doctoral Program Steering Committee Member  
2012 – 2013
- Marketing Ad Hoc Committee Member  
2012 – 2013
- Search Committee Member for the Director for Assessment and Accreditation, Elected  
2011

## UNIVERSITY LEVEL SERVICE

### THE UNIVERSITY OF AKRON

- Institutional Reviewer Board Member (3-year terms)  
2013 – 2020
- University Faculty Assessment Review Committee Member (1-year term), Selected through application process  
2019 – 2020

- Reviewer of William Honor’s College Applications (Undergraduate level), Reviewed 21 applications  
2017 – 2018
- University Council Steering Committee Member, Elected  
2014 – 2017
- Faculty Senate, Elected College of Education Representative  
2012 – 2014
- University Libraries Committee Member  
2011 – 2013

## SERVICE ON DISSERTATION COMMITTEES (METHODOLOGIST)

- **Chelsey Zoldan-Calhoun, Counseling (In progress)**  
Examining the Relationship Among Self-Efficacy, Resilience, Spiritual Well-Being and Burnout in Counselors Using Structure Equation Modeling
- **April Barnes, Psychology (2020)**  
“Judge me on my Performance, not my Perm”: A Mixed Methods Approach on Body Image and Disordered Eating in Black Service Women
- **Andrew Davis, Counseling (2020)**  
A Mixed Methods Study of the Effects of Mindfulness-Based Relapse Prevention Aftercare Program on Clients With Opioid Addiction in a Correctional Setting
- **Amber Ray, Marriage and Family Therapy (2020)**  
Attachment System Consistency Across Non-Monosexual Relationships with Men and Women
- **Faris Alnemari, Education (2019)**  
A Survey Study of the Enacted Curriculum From the Khebrat Program for High-School Science Teachers in Saudi Arabia
- **Julie Massimo, Counseling (2019)**  
A Phenomenological Study of the Lived Experiences of Counselors-in-Training with Problematic Behaviors and the Remediation Process
- **Cameron Ryba, Education (2018)**  
The Influence of Transformational Leadership Practices on Collective Teacher Efficacy
- **Sara Roth, Marriage and Family Therapy (2018)**  
A Quasi-Experimental Investigation of the Impact of the Nurtured Heart Approach on Parenting Confidence, Use of Appropriate Verbal Discipline and Perceptions of Child Interpersonal Strengths
- **Melanie Kautzman-East, Counseling (2016)**  
The Relationship Among Personality Traits, Self-Efficacy, Professional Identity, and Professional Counselor Advocacy Actions
- **Julie Lenkyl, Counseling, (2016)**  
The Contribution of Wellness and Mindfulness to Job Satisfaction of Licensed Professional Counselors
- **Melinda Grove, Education (2016)**  
Typologies of Student Offenders in Higher Education: Associated Risk Factors for Recidivism and Moderating Impact of Sanctions
- **James Pontau, Counseling (2015)**  
The Association of Type-D Personality on Reports of MTBI Complaints and Pharmacotherapy Treatments
- **Lance Nelson, Education (2015)**  
A Case Study Exploring the Ways Preservice Elementary Teachers with Low Levels of Mathematics Self-Efficacy Believe Their Mathematical Ability will Affect Their Teaching Effectiveness
- **Amber Hunt, Public Administration & Urban Studies (2014)**  
The Efficiencies of Ohio’s Public Universities as it Relates to the State Share of Instruction Formula
- **Patrick Allala, Education (2012)**  
An Exploratory Study of Ghanaian Teachers’ Social Distance With Their Female Principals
- **Kathleen Benson, Counseling (2011)**



Suicide Resilience Among Operation Enduring Freedom and Operation Iraqi Freedom Veterans: Sense of Coherence as a Moderator Between Traumatic Experiences and Suicidality

- **Colleen McGuire, Counseling (2010)**  
Intentions to Drink to Intoxication Among Students Mandated to Alcohol Interventions: An Application and Extension of the Theory of Planned Behavior

## **SERVICE ON MASTER'S THESES, MASTER'S PROJECTS, AND HONOR'S PROJECTS**

- **Holly Raita, Education (2019)**  
Single-Track Year-Round School Data Analysis Report: K-3 Students' Measure of Academic Progress
- **Krystian Hall, Education (2019)**  
Data-Driven Arts: An Online Resource
- **Mary Theus, Education (2019)**  
Evaluability Assessment of Bridges in Mathematics
- **Coreen Lundquist, Education (2019)**  
Analysis of the Academic Outcomes of Year-Round Students vs. Traditional Calendar year Students
- **Chelcee Schoenbaechler, Education (2018)**  
Eighth-Grade Math Support Comprehensive Assessment Plan
- **Kristen Swiner, Education (2018)**  
Expanded Nonfiction Unit Assessment Plan
- **Caitlyn Taylor, Education (2018)**  
Redevelopment of Fourth-Grade Social Studies Assessments for Green Intermediate School
- **Jennifer McKenna, Education (2018)**  
Mentoring Impacts
- **Jenna Reed, Education (2018)**  
Evaluation of the Impact of Raz-Kids on Fourth and Fifth-Grade Students' Learning at Lake School District
- **Raina Henderson, Education (2017)**  
Preserving the Past Rubric Development
- **Sarah Brooke, Education (2017)**  
Algebra I – Exponential and Quadratic Functions Unit Assessment Plan
- **Rachel Boyle, Education (2016)**  
College Preparatory Mathematics Curriculum Guide and Assessment Blueprint
- **Katy Hachey, Education (2016)**  
Ohio Achievement Assessment Analysis 2013-2014
- **Jibak Barua, Education (2016)**  
Test Score Analysis for Social Science Course
- **Christopher Kalina, Education (2014)**  
Medina County Career Center Senior Exit Survey Project
- **Amanda Cardinal, Education (2014)**  
Evaluation of Fifth-Grade Harcourt Science and Science for Smarties
- **Rachel Nitzsche, Education (2013)**  
An Evaluation Report for the Implementation of Handwriting Without Tears
- **Jason White, Administration (2013)**  
Addressing the Poor Professional Outcomes of Undergraduate Arts Students
- **Jennifer Palmer, Education (2013)**  
How Consistency of Attendance in Preschool Programs Affects Kindergarten Readiness
- **Susan Plas, Education (2012)**  
Examining the Achievement and Growth of Ohio's Eight Major Urban School Districts
- **Pingping Gui, Education (2012)**  
Program Evaluation Report: Akron Ready Steps
- **Courtney Miller, Psychology (2011)**  
Classroom Teachers' Avoiding of Negative Emotions