

**AUDREY ELISE CONWAY ROBERTS, Ph. D.**

**I. Academic Degrees**

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|------|-------|---|
| 2019 | Ph.D. | Education Sciences-Educational Policy Studies and Evaluation<br>University of Kentucky<br>Dissertation: <i>Validation of a School Climate Instrument using a Rasch Rating Scale Model</i> |
| 2015 | M.S.  | Educational Psychology                      University of Kentucky  |
| 2012 | B.S   | Psychology    Centre College  |

**II. Academic Positions**

**A. Teaching Positions**

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|---------------|--|
| 2020– present | Assistant Professor, Educational Foundations, Leadership & Policy<br>Bowling Green State University          |
| 2019-2020     | Assistant Teaching Professor, Educational Foundations, Leadership & Policy<br>Bowling Green State University |
| 2015-2016     | Teaching Assistant, Educational Policy Studies and Evaluation<br>University of Kentucky                      |
| 2014-2015     | Instructor, Education, School, and Counseling Psychology<br>University of Kentucky                           |

**B. Faculty Affiliations**

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|--------------|---|
| 2021-Present | Honors College Joint Faculty Affiliate  |
| 2021-Present | Master’s in Cross-Cultural and International Education (MACIE)<br>Program Faculty Affiliate |
| 2021-Present | Center for Family and Demographic Research Faculty Affiliate                                |
| 2019-Present | Graduate Faculty Status   |

**III. Non-Academic Positions**

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|-----------|--|
| 2016-2019 | Research Assistant, Educational Policy Studies and Evaluation,<br>University of Kentucky |
| 2016-2015 | Research Assistant, Evaluation Center, University of Kentucky                            |

2014-2013      Research Assistant, Department of Special Education, University of Kentucky

#### IV. Teaching Experience of Academic Services

##### A. Teaching Experiences

###### 1. Undergraduate Courses

EDP 202: Human Development and Learning, University of Kentucky (UK)

EDFI 3020: Educational Psychology, Bowling Green State University (BGSU)

###### 2. Undergraduate-Graduate Courses

EDFI 4020/5020: Assessment and Evaluation in Education, BGSU

###### 3. Graduate Courses

EDP/EPE 660: Research Design and Analysis in Education, UK

EDFI 6420: Research in Education, BGSU

EDFI 6450: Using K-12 Assessment Data to Improve Practice, BGSU

###### 4. Other Teaching

EDFI 4900: Problems in Education-Assessment and Evaluation in Education

EDFI 6800: Seminar in Educational Foundations and Inquiry-Measurement  
Validity and Reliability

EDFI 6800: Seminar in Educational Foundations and Inquiry-Effective  
Mathematics Instruction

EDFI 6840: Directed Readings in Educational Foundations and Inquiry-Factor  
Analysis

2012-2013 Teacher, McCracken County Public Schools, Kentucky

## 5. Thesis and Dissertation Students:

<u>Name</u>	<u>Degree</u>	<u>Year</u>	<u>University</u>
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## 6. Membership on Dissertation Committees:

<u>Name</u>	<u>Degree</u>	<u>Year</u>	<u>University</u>
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**Ongoing**

Jingyi Su	Ph.D.	2023	BGSU
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Brinna Lee	Ph.D.	2022	BGSU
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Morgan Buchs	Ph.D.	2022	BGSU
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**Completed**

Emily Creamer	Ph.D.	2021	BGSU
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## 7. Membership on Thesis Committees:

<u>Name</u>	<u>Degree</u>	<u>Year</u>	<u>University</u>
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**Completed**

Edith Kachia	M.S	2021	BGSU
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Abayomi Abodunrin	M.S	2021	BGSU
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## V. Curriculum Development

## A. Course &amp; Programs of Study

EDFI 6550 Applied Educational and Psychological Measurement-Available 5/16/22

## B. Workshops

None

## C. Educational Materials

None

## VI. Professional Development

Spring 2022	Effective Teaching Practices Course, The Association of College and University Educators
Fall 2021	Building Community in a Virtual Classroom, Center for Faculty Excellence, Bowling Green State University
Summer 2021	Using R Software for Item Response Theory (IRT) Model Calibrations, AERA Professional Development
Spring 2021	Modern Meta-Analysis Research, American Educational Research Association (AERA) Inter-University Consortium for Political and Social Research
Fall 2020	Creating Engaging Micro-Learning Videos, Center for Faculty Excellence, Bowling Green State University
Fall 2020	Introduction to Open Textbooks Workshop, University Libraries, Bowling Green State University
Fall 2020	Formative Assessment for Classroom Teachers (FACT) Webinar, National Council for Measurement in Education Classroom Assessment Task Force
Summer 2020	edTPA Task 3 Deep Dive Webinar, American Association of Colleges for Teacher Education
Spring 2020	Learning Experience Design Workshop, Bowling Green State University
Spring 2020	Teaching & Learning Certificate, Center for Faculty Excellence, Bowling Green State University
Fall 2019	Active Learning Certificate, Bowling Green State University

## VII. Academic Advising

### A. Undergraduate

<u>Year</u>	<u>Number of Students</u>
2016	###

### B. Graduate

<u>Year</u>	<u>Number of Students</u>
2016	###

## VIII. Research Interests

School Effectiveness, School & Classroom Climate, Quantitative Methodologies, Measurement Validation

## IX. Research Projects and Grants

Co-Principal Investigator (2021), Curriculum, Achievement, & Rigor Vital to Engineering education in Rural Schools (CARVERS), National Science Foundation: Discovery Research PreK-12 (DRK-12) Level 2 Late Stage Design and Development Study, Learning Strand. PI: Christa Jackson, Saint Louis University, Co-PIs: Christopher Whitmer, Parametric Studios. \$1,981,431, 2022-2026. Unfunded

Co-Principal Investigator, Equity in Higher Education Participation: A Prospective Analysis of Adolescent Social and Ethnic Identities, Spencer Foundation Research Grants on Education: Racial Equity Special Grant Program (2021), PI: Margaret Booth, Bowling Green State University, Co-PIs: Jean Gerard, Wendy Manning. \$70,000, 2022-2024. Unfunded.

Co-Principal Investigator, Racial Equity in Higher Education During Times of Crisis: Deconstructing Student Success During the COVID Pandemic, Spencer Foundation Research Grants on Education: Racial Equity Special Grant Program (2021), PI: Margaret Booth, Bowling Green State University, Co-PIs: Julie Matuga, Chloe Koscheva. \$60,000, 2020-2022. Unfunded.

Co-Principal Investigator, Academic Achievement from Adolescence to Young Adulthood: The Implications of Self-Efficacy, Ethnic Identity, and Stereotype Threat. Spencer Foundation Research Grants on Education, PI: Margaret Booth, Bowling Green State University, Co-PIs: Jean Gerard, Wendy Manning. \$60,000, 2020-2022. Unfunded.

Co-Principal Investigator, Educating University Students during a Pandemic: The Link between Learning Environments and Academic Achievement, Spencer Foundation Research Grants on Education: COVID-19 Related Special Grant Program, PI: Margaret Booth, Bowling Green State University, Co-PIs: Julie Matuga, Savilla Banister, Andy Alt, & Mitch Miller. \$50,000, 2020-2022. Unfunded.

Co-Principal Investigator, Academic Achievement from Adolescence to Young Adulthood: Implications of Self-Efficacy, Ethnic Identity, and Stereotype Threat. Spencer Foundation Research Grants on Education, PI: Margaret Booth, Bowling Green State University, Co-PIs: Jean Gerard, Wendy Manning. \$50,000, 2020-2022. Unfunded.

## X. Publications or Equivalencies

### A. Publications

#### 1. Books

##### (a) Textbooks

None

##### (b) Scholarly books

None

## (c) Chapters of books

None

## (d) Indexes and other bibliographic texts

Roberts, T. & Roberts, A. C. (In Press). Promises and Perils of STEM Education: Synthesizing teacher, student, and research perceptions. *International Encyclopedia of Education*, 4<sup>th</sup> ed.

## 2. Journal Articles

## (a) Refereed articles

## (1) Journals

Booth, M. Z., **Roberts, A. C.**, Gerard, J. M., Gilfillan, E. H. (R & R). Adolescent perceptions of school climate, attitude toward school, and self-efficacy: The intersectionality of race and gender. *Research in Middle Level Education*

**Roberts, A. C.**, LaVenita, K., & Johnson, P. (R & R). Predicting levy success. *Ohio Council of Professors of Education Administration*.

**Roberts, A. C.**, Waddington, R. J., Sampson, S. (Under Review). Differential item functioning in a school climate instrument: Does a one-size instrument fit all schools? *AERA Open*.

Folger, T. D., **Roberts, A. C.**, & Bostic, J. D. (Under Review). Examining school accountability: Discriminating schools' a-f report card grades. *MWER Journal*.

Berends, M., Waddington, R. J., **Roberts, A. C.**, & Fitzpatrick, B. (In progress). Understanding the variation in school achievement across public, charter, and voucher-participating private schools using school effectiveness indicators. *American Educational Research Journal*.

Roberts, T., Maiorca, C., & **Roberts, A. C.** (2019). Positively influencing preservice elementary teachers' mathematics conceptions and content knowledge. *Ohio Journal of Teacher Education*, 33(2), 20-34.

## (2) Proceedings

Matuga, J. M., Booth, M. Z., **Roberts, A. E.**, & Koscheva, C. (2021). Perceptions of metacognitive and self-regulation strategy use of undergraduate students during the COVID-19 pandemic. *International Technology, Education and Development Conference*. <https://doi.org/10.21125/inted.2021>

(b) Non-refereed articles

(1) Journals

None

(2) Newsletters

None

(3) Miscellaneous

**Roberts, A. C.** (2019). Validation of a school climate instrument using a Rasch rating scale model. *Theses and Dissertations--Education Science*. 49. [https://uknowledge.uky.edu/edsc\\_etds/49](https://uknowledge.uky.edu/edsc_etds/49)

(c) Editorship of journals

None

3. Reports

(a) Published

None

(b) Unpublished

None

XI. Papers Read to Professional Societies

A. Invited Papers

None

B. Refereed Papers

Folger, T. D., **Roberts, A. C.**, & Bostic, J. D. (2022, April). *Using non-achievement-based variables to differentiate district performance grades* [Poster presentation]. American Educational Research Association Annual Meeting. San Diego, CA.

Booth, M. Z., & **Roberts, A. C.** (2022, April). Equity in higher education participation: A prospective analysis of adolescent social and ethnic identities. [Paper presentation]. American Educational Research Association Annual Meeting. San Diego, CA.

- Roberts, A. C., LaVenía, K. & Johnson, P. (2021).** Predicting Ohio new levy success and failure. Paper presented at the Mid-Western Educational Research Association Conference, Cincinnati, OH.
- Roberts, A. C., LaVenía, K. & Johnson, P. (2021).** Predicting Ohio school levy success. Paper presented at the American Educational Research Association Conference, Virtual.
- Roberts, T., Maiorca, C., & **Roberts, A. C.** (2021). A mixed methods exploration of first year inclusive preservice teachers' conceptions of teaching mathematics. Paper presented at the American Educational Research Association Conference, Virtual.
- Booth, M. Z., **Roberts, A. C.**, Gerard, J. M., Gilfillan, E. H. (2021). Adolescent perceptions of school climate, attitude toward school, and self-efficacy: The intersectionality of race and gender. Paper presented at the Eastern Educational Research Association Annual Conference, Virtual.
- Matuga, J. M., Booth, M. Z., **Roberts, A. C.**, & Koscheva, C. (2021). Perceptions of metacognitive and self-regulation strategy use of undergraduate students during the COVID-19 pandemic. Paper presented at the International Technology, Education and Development Conference, Virtual.
- Roberts, A. C.** (2019). Filling in the gaps: Descriptive analysis of teachers' school climate perceptions. Paper presented at the Midwestern Educational Research Association Conference, Cincinnati, OH.
- Waddington, R. J., **Roberts, A. C.**, Berends, M., & Dallavis, J. (2019). Understanding the moderating impacts of "Effective Schools" characteristics on voucher program-participating students' achievement in Indiana. Paper presented at the Association for Education Finance and Policy Annual Conference, Kansas City, MO.
- Roberts, A. C.**, & Sampson, S. (2018). *Validation and DIF analysis of a school climate measure*. Paper presented at the Midwestern Educational Research Association Conference, Cincinnati, OH.
- Conway, A. E.**, & Sampson, S. (2018). *Appropriate for all? Rasch analysis of a scale for teachers' perceived challenges*. Paper presented at the American Educational Research Association Conference, New York City, NY.
- Conway, A. E.**, & Bradley, K. (2017). *A review of higher education evaluation centers: Similarities, differences and a framework for success*. Poster presented at the American Educational Research Association Conference, San Antonio, TX.



**Conway, A. E.** (2016). *Autonomy support in a postsecondary classroom*. Paper presented for roundtable presentation at the Eastern Educational Research Association Conference, Hilton Head, SC.

Dias, J. R., **Conway, A. E.**, Hall, A. G., Husk, R. M., Butz, A. R., & Usher, E. L. (2015) *What's stopping you? College barriers among rural Appalachian students*. Poster presented at the Association for Psychological Science Convention, New York City, NY.

## XII. Service

### A. School

2020-Present	Adolescent to Young Adult Education Liaison
2020-Present	Curriculum Committee
2019-2020	Inclusive Early Childhood Education Liaison

### B. College

2021-Present	EDHD Research Development Council
2020-2021	EDHD Scholarship Committee
2019-2020	Ad-hoc CAEP Assessment Committee

### C. University

2021-Present	Undergraduate Council
2020-2021	Senate Committee on Professional Affairs
2019-Present	Judge for Center for Undergraduate Research and Scholarship Conference
2019	Reviewer, Panhellenic Scholarship

### D. Professional

2021-Present	Co-Program Chair, Rasch Measurement Special Interest Group, American Educational Research Association
2021	Session Chair, American Education Research Association Annual Conference

2019-Present	Program Chair, Division H, Midwestern Educational Research Association
2019-Present	Proposal Reviewer, American Educational Research Association Conference
2020-Present	Manuscript Review, Investigations in Mathematics Learning
2020-Present	Manuscript Review, Mid-Western Educational Researcher
2020-Present	Manuscript Review, Cogent Education
2020	Book Chapter Review, SAGE Publications

### XIII. Research or Professional Consultantships

2018	Quantitative Data Analyst, Center for Assessment and Evaluation Services, Bowling Green State University
2018	External Evaluator, Office of Strategic Planning and Institutional Effectiveness, University of Kentucky

### XIV. Membership in Professional Organizations

Mid-Western Educational Research Association

American Educational Research Association

Eastern Educational Research Association

### XV. Honors and Awards

#### A. Memberships in Honor Societies

None

#### B. Awards

None