

CAROL S. PARKE
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I. PROFESSIONAL PREPARATION AND EXPERIENCE

A. Education

University of Pittsburgh, Pittsburgh, PA *August 1998*
Ph.D. in Research Methodology, School of Education

University of Pittsburgh, Pittsburgh, PA *August 1989*
M.A. in Mathematics/Statistics

Indiana University of Pennsylvania, Indiana, PA *May 1987*
B.S. in Secondary Mathematics Education, Minor in Educational Psychology

B. Work History

1. Academic Appointments

Duquesne University, Pittsburgh, PA *7/06 to present*
Associate Professor of Research and Statistics in the Department of Foundations and Leadership in the School of Education. Major responsibilities include teaching courses in statistics, research, and measurement; maintaining a research agenda; advising students on dissertation committees; and providing national, regional, university, and community service.

Duquesne University, Pittsburgh, PA *8/02 to 6/06*
Assistant Professor of Research and Statistics in the Department of Foundations and Leadership in the School of Education. Major responsibilities include teaching courses in statistics, research, and measurement; maintaining a research agenda; advising students on dissertation committees; and providing national, regional, university, and community service.

West Virginia University, Morgantown, WV *8/99 to 7/02*
Assistant Professor of Research and Statistics in the Department of Advanced Educational Studies in the College of Human Resources and Education. Major responsibilities included teaching courses in statistics, research, and measurement; maintaining a research agenda; advising students on dissertation committees; and providing service to the university.

University of Pittsburgh, Pittsburgh, PA *12/95 to 7/99*
Full-time Research Associate in the School of Education on a large-scale research project examining the impacts of a state performance assessment in Maryland (MSPAP). Major areas of responsibility included development of the project's research design and methodology, collection and organization of data, analysis of data, and writing technical reports and manuscripts.

University of Pittsburgh, Pittsburgh, PA *1/90 to 7/98*
Full-time Researcher at the Learning Research and Development Center (LRDC) on a national middle school mathematics education project (QUASAR) from 1990 to 1995. Research Associate from 1995 to 1998. Major areas of responsibility included the design and analysis of the large-scale student math performance assessment developed to monitor student progress over time.

Community College of Allegheny County, Pittsburgh, PA *8/89 to 12/89*
Full-time Mathematics Instructor. Responsibilities included teaching courses in algebra, arithmetic fundamentals, and business mathematics.

Various High Schools near Pittsburgh, PA *9/87 to 5/89*
Substitute teacher in high school mathematics.

C. Memberships in Professional Organizations

American Educational Research Association (AERA)
National Council on Measurement in Education (NCME)
National Council of Teachers of Mathematics (NCTM)

II. TEACHING

A. Graduate courses taught at Duquesne University

7/02 to present

GREV 502 – Action Research
GREV 500 – Statistics in Behavioral Research
GREV 500 – Statistics in Behavioral Research (online)
GREV 509 – Independent Study, Measurement
GREV 510 – Basic Educational Statistics
GREV 610 – Educational Statistics II
GREV 610 – Educational Statistics II (online)
GREV 611 – Statistics III, Multivariate Methods
GREV 701 – Research Methods and Design
GREV 701 – Research Methods and Design (online)
GREV 711 – Statistics I
GREV 71 – Statistics I (online)
GREV 712 – Statistics II
GREV 715 – Measurement Theory and Practice
PDEL 741 – Evaluation
EDDL 751 – Data Analysis and Evidence-Based Improvement

Graduate courses taught at West Virginia University

8/99 to 5/02

Statistical Methods 1
Statistical Methods 2
Multivariate Statistical Methods
Educational Research Seminar
Survey Methodology

Graduate courses taught at University of Pittsburgh

1/99 to 7/99

Introduction to Research Methodology

B. Undergraduate Courses Taught at Community College of Allegheny County 8/89 to 12/89

Algebra Fundamentals
Arithmetic Fundamentals
Business Mathematics

C. Academic Advisement or Supervision

1. Dissertation Committee as a Chair

Hefflin, Patrick, IDPEL, Duquesne University (defended 2009)
Patrick Dworakowski, Duquesne University (defended 2008)
Linda Jukes, IDPEL, Duquesne University (defended 2007)
Lomax, Paul, ProDEL, Duquesne University (defended 2016)
Glenn, Amos, Instructional Technology, Duquesne University (2015)
Shelly Brown, Duquesne University (in process)
Michael Amick, Duquesne University (in process)
Barb Pagan Duquesne University (in process)

2. Dissertation Committees as a Member

Ashley Snyder, EDDL, Duquesne University (in progress)
Jean Marie Livingston, PDEL, Duquesne University (defended)
James Wortman, PDEL, Duquesne University (defended)
Dorry Altman, PDEL, Duquesne University (in process)
Jayna Bonfini, PDEL, Duquesne University (in process)
Daniel Beck, EDDL, Duquesne University (in process)
Rachel Hoffman, Duquesne University (in progress)
Kelly Gustofson, Duquesne University (in process)
Ashly Locklin, PDEL, Duquesne University (defended)
Alexandra Varela, Duquesne University (defended)
Erin Johnson, Duquesne University (defended)
Ahmet, Akcay, Duquesne University, Instructional Technology (defended 2015)
Sarah Dalton, Duquesne University, Counseling (defended)
Lindsey McGuirk, School Psychology, Duquesne University (defended)
Von Zell Wade, Counseling, Duquesne University (defended)
Natalie Toomey, Instructional Technology, Duquesne University (defended 2015)
Kathy Sites, IDPEL, Duquesne University (defended 2012)
Vanessa Tarkington, School Psychology, Duquesne University (defended 2009)
Jerilyn Scott, ILEAD, Duquesne University (defended 2012)
Wayde Killmeyer, IDPEL, Duquesne University (defended 2009)
Jill Piper, ILEAD, Duquesne University (defended 2010)
Jeryl Benson, IDPEL, Duquesne University (defended 2010)
Tim Ebersole, IDPEL, Duquesne University (defended 2011)
Jan Quaily, IDPEL, Duquesne University (defended 2012)
Erinn Obeldoble, School Psychology, Duquesne University (defended)
Jeff Fuller, IDPEL, Duquesne University (defended 2008)
Dan Webb, IDPEL, Duquesne University (defended 2008)
Marissa Andolina, School Psychology, Duquesne University (defended 2007)
Jim Bradley, IDPEL, Duquesne University (defended 2007)
Colleen Morris, School Psychology, Duquesne University (defended 2007)
Michael Brinkos, IDPEL, Duquesne University (defended 2006)

Lonnie Carey, IDPEL, Duquesne University (defended 2006)
Elizabeth McMahon, IDPEL, Duquesne University (defended 2006)
David Palmer, ILEAD, Duquesne University (defended 2006)
JoAnne Leight, ILEAD, Duquesne University (defended 2004)
Kim Rhule, ILEAD, Duquesne University (defended 2004)

(Also served as a committee member on 16 dissertation committees at West Virginia University, 1999- 2002)

3. Thesis Committees as a Member

Committee member on 2 thesis committees at West Virginia University, 2001-2002

4. Graduate Advisees

IDPEL Cohort of 2012, Program Advisor, 4 advisees, 2008-2012

IDPEL Cohort of 2009, Research Advisor, 4 advisees, 2006-2007

IDPEL Cohort of 2009, Program Advisor, 5 advisees, 2005-2009

IDPEL Cohort of 2006, Research Advisor, 4 advisees, 2004-2005

(Also, advisor for two graduate students at West Virginia University, 2001-2002)

5. Graduate Assistant

Mentor and supervise graduate research assistants for the A+ Schools Project (2005 to present)

D. Scholarly Publications Pertaining to Research for Practitioners

1. Peer-reviewed book and accompanying Compact Disc

Parke, C. S., Lane, S., Silver, E. A., & Magone, M. (2003). *Using assessment to improve mathematics teaching and learning: Suggested activities using QUASAR tasks, scoring criteria, and student work*. National Council of Teachers of Mathematics, Reston, VA.

2. Peer-reviewed chapter in book

Parke, C. S. (2005). Using spreadsheet software to explore measures of central tendency and variability. In *Technology-Supported Mathematics Learning Environments: 2005 NCTM Yearbook*. National Council of Teachers of Mathematics, Reston, VA.

3. Peer-reviewed journal articles

Parke, C. S. & Cai, J. (1997). Does the task truly measure what was intended? *Mathematics Teaching in the Middle School*, 3(1), 74-82.

Parke, C. S. & Lane, S. (1996). Learning from performance assessments in math. *Educational Leadership*, 54(4), 26-29.

4. Invited chapter in book

Parke, C. S. & Lane, S. (1998). The impacts of a mathematics performance assessment in a reform-oriented project. In R. W. Reising & B. M. Parramore (Eds.), *The Challenge of Change: Assessment in the 21st Century* (pp. 91-102). North Carolina Association for Supervision and Curriculum Development.

E. Presentations and Professional Development Activities for Teachers

1. Refereed national presentation

Kenney, P., Parke, C. S., & Seeley, M. (1992, April). *Alternative assessment for middle school mathematics*. Presentation at the annual meeting of the National Council of Teachers of Mathematics, Nashville, TN.

2. Refereed regional presentations

Parke, C. S. & Seeley, M. (2001, October). *A middle school mathematics project*. Network Connections conference of the Regional Math/Science Collaborative, Pittsburgh, PA.

Parke, C. S. & Seeley, M. (1998, October). *Assessment: Elementary math*. Network Connections conference of the Regional Math/Science Collaborative, Pittsburgh, PA.

Parke, C. S. & Magone, M. (1995, March). *Developing open-ended assessment tasks*. Presentation at the annual meeting of the Pennsylvania Council of Teachers of Mathematics, Pittsburgh, PA.

Parke, C. S. (1993, October). *Alternative assessment in real classrooms: An extended open-ended mathematics assessment task*. Presentation at the regional annual meeting of the National Council of Teachers of Mathematics, Pittsburgh, PA.

3. Refereed national professional development workshops

Parke, C. S. & Finseth, C. (1994, April). *Evaluating open-ended math tasks: A joint venture between teachers and students*. Workshop conducted at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.

Parke, C. S. & Finseth, C. (1993, April). *Rating and evaluating student responses to an open-ended performance task*. Workshop conducted at the annual meeting of the National Council of Teachers of Mathematics, Seattle, WA.

4. Invited regional professional development workshops

Parke, C. S. (2002, February). *Coding open-ended student survey responses*. Suncrest Middle School, Morgantown, WV.

Parke, C. S. (2001, November). *Conducting meaningful action research*. Suncrest Middle School, Morgantown, WV

Parke, C. S. (2001, August and October). *What's the big idea: Middle school math support*. Three workshops at Meadville, PA, Morgantown, WV, and Garrett County, MD.

Parke, C. S. (2001, February). *Analyses of Student Surveys – Part 1*. Suncrest Middle School, Morgantown, WV

Parke, C. S. (2001, March). *Analyses of Student Surveys – Part 2*. Suncrest Middle School, Morgantown, WV

Parke, C. S. & Seeley, M. (2000, March). *Mathematics performance assessment – Part 1*. (Three full-day presentations, one each for elementary, middle, and high school teachers). Allegheny Intermediate Unit, Pittsburgh, PA

Parke, C. S. & Seeley, M. (2000, April). *Mathematics performance assessment – Part 2*.

(Three full-day presentations, one each for elementary, middle, and high school teachers). Allegheny Intermediate Unit, Pittsburgh, PA

Parke, C. S. & Seeley, M. (2000, June). *Mathematics performance assessment – Part 3*. (Three full-day presentations, one each for elementary, middle, and high school teachers). Allegheny Intermediate Unit, Pittsburgh, PA

Parke, C. S. & Finseth, C. (1994, October). *Assessing student performance on open-ended assessment tasks*. AMTONP Conference, Warren, PA

Parke, C. S. (1991-1995, Summers). *Rating Sessions for Scoring Open-Ended Student Responses on the QUASAR Cognitive Assessment Instrument (QCAI)*. Learning Research and Development Center, Pittsburgh, PA

5. Invited university professional development workshops

Center for Teaching Excellence (September 2005). Creative Teaching Award Winners Share Best Practices.

F. Awards Received for Teaching

March, 2005, Duquesne University Creative Teaching Award, Duquesne University

April, 2001, Outstanding Teacher Award, College of Human Resources and Education, West Virginia University

III. SCHOLARSHIP

A. Scholarly Publications

1. Peer-Reviewed Book

Parke, C. S. (2013). *Essential First Steps to Data Analysis: Scenario-Based Examples Using SPSS*. SAGE Publications, Inc. CA: Thousand Oaks. ISBN: 978-1-4129-9751-5.

2. Articles presenting original work published in scholarly journals

Parke, C. S., Generett, G. G., and Ramos, R, d.A (2017). Describing characteristics of Pennsylvania’s ‘Schools to Watch’: Focusing on social equity and developmental responsiveness. *Middle School Journal*,

Parke, C. S. (2016). Differences in math performance indicators within an Ethnicity Subgroup: An Investigation of an Urban District’s high schools, *American Secondary Educator Journal*, 45(1), 5-21.

Benson, J. D., Parke, C. S., & Munoz, D. (2013). A retrospective analysis of the sequential oral sensory feeding approach in children with feeding difficulties. *Journal of Occupational Therapy, Schools, and Early Intervention*, 6(4), 289-300.

Parke, C. S. (2012). Examining relationships among assessment scores and math coursework in an urban school district. *Journal of Research in Education*, 22(1), 26-47.

Parke, C. S. (2012). Making use of district and school data. *Practical Assessment, Research and Evaluation*, 17(10), 1-15.

Parke, C. S. (2012). An alternative to gap-gazing: Examining differences within groups and similarities between groups in urban high schools. *Excellence in Education* 1(1), 29-48.

Parke, C. S. and Kanyongo, G. (2012). Student attendance, mobility, and mathematics achievement in an urban school district. *The Journal of Educational Research*, 105(3), 161-175.

Parke, C. S. and Keener, D. (2011). Cohort versus non-cohort high school students' math performance: Achievement test scores and coursework. *Educational Research Quarterly*, 35(2), 3-22.

Parke, C. S. & Taylor, J. (2008). A collaborative research initiative between middle school and university faculty. *Research in the Schools*.

Parke, C. S. (2008). Reasoning and communicating in the language of statistics. *Journal of Statistics Education*, 16(1), 1-24.

Parke, C. S. & Lane, S. (2008). Examining alignment between state performance assessment and mathematics classroom activities. *Journal of Educational Research*, 101(3), 132-146..

Parke, C. S. & Lane, S. (2007). Student perceptions of a Maryland state performance assessment. *The Elementary School Journal*, 107(3), 305-324.

Parke, C. S., Lane, S., & Stone, C. (2006). Impact of a state performance assessment program in reading and writing. *Educational Research and Evaluation*, 12(3), 239-269.

Lane, S., Parke, C. S., & Stone, C. (2002). The impact of a state performance-based assessment and accountability program on mathematics instruction and student learning: Evidence from survey data and school performance. *Educational Assessment*, 8(4), 279-315.

Parke, C. S. (2002). Mathematics performance assessment: Discovering why some items or rubrics don't measure up. *Research in Middle Level Education Annual*, 25(1).

Parke, C. S. (2001). An approach that examines sources of misfit to improve performance assessment items and rubrics. *Educational Assessment*, 7(3), 201-225.

Lane, S., Parke, C. S., & Stone, C. (1998). A framework for evaluating the consequences of assessment programs. *Educational Measurement: Issues and Practice*, 17(2), 24-28.

3. Review articles published in scholarly book

Parke, C. S. (2005). Review of the New Standards Reference Examinations: Mathematics, Forms E and F. In J. Impara & B. Plake (Eds.), *The sixteenth mental measurements yearbook*. Lincoln, NE: Buros Institute of Mental Measurements.

Parke, C. S. (2005). Review of the Comprehensive Adult Student Assessment System (CASAS), 3rd edition. In J. Impara & B. Plake (Eds.), *The sixteenth mental measurements yearbook*. Lincoln, NE: Buros Institute of Mental Measurements.

4. Chapter in scholarly book

Parke, C. S. (2010). Factorial Designs. In Salkind, N. (Ed.), *Encyclopedia of Research Design*. Sage Publications, Inc.

Parke, C. S. (2008). Criterion-Referenced Testing. In Salkind, N. (Ed.), *Encyclopedia of Educational Psychology*. Sage Publications, Inc.

B. Test

Lane, S., Silver, E.A., Ankenmann, R.D., Cai, J., Finseth, C., Liu, M., Magone, M.E., Meel, D., Moskal, B., Parke, C.S., Stone, C.A., Wang, N., & Zhu, Y. (alphabetical after Silver) (1995). *QUASAR Cognitive Assessment Instrument (QCAI)*. Pittsburgh, PA: University of Pittsburgh, Learning Research and Development Center.

C. Technical Reports

End-of-year report

Boston, M. & Parke, C. S. (September, 2013). Assessing the Impact of a STEM Professional Development Initiative on Teachers' and Students' Learning: Year 3. Intermediate Unit 1 (Fayette, Greene, and Washington Counties, PA). Pennsylvania Department of Education, Math and Science Partnership (MSP) Title Iib Grant.

Boston, M. & Parke, C. S. (September, 2012). Assessing the Impact of a STEM Professional Development Initiative on Teachers' and Students' Learning: Year 2. Intermediate Unit 1 (Fayette, Greene, and Washington Counties, PA). Pennsylvania Department of Education, Math and Science Partnership (MSP) Title Iib Grant.

Boston, M. & Parke, C. S. (September, 2011). Assessing the Impact of a STEM Professional Development Initiative on Teachers' and Students' Learning: Year 1. Intermediate Unit 1 (Fayette, Greene, and Washington Counties, PA). Pennsylvania Department of Education, Math and Science Partnership (MSP) Title Iib Grant.

Parke, C. S. (May 2009). *Mathematics Achievement for Cohort and Non-Cohort High School Students (2002 to 2006): Large-Scale Assessments and Math Coursework*. Technical Report #09-05-01. Pittsburgh, PA: A+ Schools: A Community Alliance for Public Education.

Parke, C. S. (March 2008). *High School Mathematics Achievement for a Cohort of Students (2002 to 2005): Large-Scale Assessments and Math Coursework..* Technical Report #08-03-01. Pittsburgh, PA: A+ Schools: A Community Alliance for Public Education.

Parke, C. S. (December 2006). *Student attendance and mobility and the effects on student achievement in mathematics and reading*. Technical Report #06-12-01. Pittsburgh, PA: A+ Schools: A Community Alliance for Public Education.

Lane, S., Parke, C. S., Stone, C. A., Cerillo, T. L., & Hansen, M. A. (December 2000)). *MSPAP Impact Study: Science*. Report to the US Department of Education, Assessment Development and Evaluation Grants Program (CFDA 84.279-A) for the Maryland Assessment System Project.

Lane, S., Parke, C. S., Stone, C. A., Hansen, M. A., & Cerillo, T. L. (November 2000). *MSPAP Impact Study: Social Studies*. Report to the US Department of Education, Assessment Development and Evaluation Grants Program (CFDA 84.279-A) for the Maryland Assessment System Project.

Lane, S., Parke, C. S., Stone, C. A., Cerillo, T. L., & Hansen, M. A. (September 2000). *MSPAP Impact Study: Language Arts (Reading and Writing)*. Report to the US Department of Education, Assessment Development and Evaluation Grants Program (CFDA 84.279-A) for the Maryland Assessment System Project.

Lane, S., Parke, C. S., & Stone, C. A. (March 1999). *MSPAP Impact Study: Mathematics*. Report to the US Department of Education, Assessment Development and Evaluation Grants Program (CFDA 84.279-A) for the Maryland Assessment System Project.

D. Invited Participation in Working-Group Panels for National and State Education Organizations/Departments

Parke, C. S. (2010, April). Alignment Study for the Pennsylvania Department of Education (PDE), Pittsburgh, PA. (Invited to examine the extent of alignment between the proposed National Common Core Standards in Mathematics and the PDE Math Standards.)

Parke, C. S. (2003, September). NCTM Research Catalyst Conference, NCTM Headquarters, Reston, VA. (Invited as one of approximately 80 educational researchers nationwide to participate in a meeting to generate and catalyze research on mathematics standards)

E. Scholarly Presentations

1. Refereed National Presentations

Parke, C. S. (2017) Analyzing school data: Understanding how education practitioners internalize and apply introductory statistical concepts. Roundtable presentation at the annual meeting of the American Educational Research Association, San Antonio, TX.

Boston, M., Munter, C., Parke, C. S., Thomas-Brown, C., Shekell, C., & Haines, C. (2016). Note: author list does not imply author order. *Supporting teachers to enact equitable mathematics instruction: Formative intervention research to enhance equitable mathematics instruction: Results and feedback from integrating multiple data sources*. Coordinated symposium presented at the annual meeting of the American Educational Research Association, Washington, DC.

Parke, C. & Boston, M. (2015). *Examining relationships among teacher knowledge, instructional practices, and student achievement in a professional development initiative*. Paper presented at the annual meeting of the American Educational Research Association, Detroit, MI.

Parke, C. S., Generett, G. G., & de la Ramos, Renata (2015) *Describing characteristics of Pennsylvania's Schools to Watch: Focusing on social equity and developmental responsiveness*. Round Table presentation at the annual meeting of the American Educational Research Association, Detroit, MI.

Parke, C. S. (2013). *Differences in math performance indicators within ethnicity subgroups: An investigation across high schools*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Parke, C. S. & Keener, D. (2009). *Cohort versus non-cohort high school students' math performance: Achievement tests and coursework*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Parke, C. S. & Keener, D. (2009). *Analyzing math assessment scores, math coursework, and contextual factors for high schools in an urban district*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Parke, C. S., Kanyongo, G., & Kachmar, S. (2008). *Examining relationships among large-scale mathematics assessment performance and mathematics coursework in urban high schools*. Paper presented at the annual meeting of the National Council on Measurement in Education, New York, NY.

Parke, C. S. & Dworakowski, P. (2008). *A collaborative effort to develop school progress reports and analyze demographic, contextual, and performance indicators*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Parke, C. S. & Kachmar, S. (2008). *Mathematics performance in urban high schools: Examining large-scale assessment scores, mathematics grades, and coursework*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Parke, C. S. & Kanyongo, G. (2007). *Impact of student attendance and mobility on mathematics and reading student achievement*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Parke, C. S. (2006, April) *Thinking and reasoning in the language of statistics*. Paper presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.

Kuo, Y. & Parke, C. S. (2005, August). *Motivation and attitudes toward web-based learning*. Poster presented at the annual meeting of the American Psychological Association, Washington, DC. (with student)

Kuo, Y., Parke, C. S., Wells, J. (2005, April). *Impact of student motivational factors on learning satisfaction in an online environment*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada. (with student)

Parke, C. S. (2004, June). *Fifty states, fifty accountability NCLB workbooks: Assessment of the Limited English Proficient subgroup*. Paper presented at the Chief Council of State School Officers (CCSSO) National Conference on Large-Scale Assessment.

Parke, C. S. & Balach, C. (2004, April). *Professional development school research through the lens of teacher candidate outcomes: Preservice teachers' first experience in the field*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Parke, C. S. & Lane, S. (2003, April). *Student perceptions of a state performance assessment and its impact on classroom practices*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.

- Parke, C. S., Taylor, J., Chico, T., & Pytlik, C. (2002, April). *An Assessment Initiative Undertaken by Middle School Faculty*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Parke, C. S. (2000, April). *Examining sources of misfit of mathematics performance items to the graded response model*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Lane, S., Stone, C., & Parke, C. S. (2000, April). *Consequential evidence for MSPAP from the teacher, principal, and student perspective*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Parnella, T., Hansen, M., Parke, C. S., Lane, S., & Scott, K. (2000, April). *The relationship between MSPAP and science classroom instruction and assessment materials*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Hansen, M., Parnella, T., Lane, S., Paluda, J., Parke, C. S., & Van den Heuvel, J. (2000, April). *The relationship between MSPAP and social studies classroom instruction and assessment materials*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Parke, C. S., Lane, S., Cerrillo, T. L. (1999, April). *Impact of the Maryland School Performance Assessment Program (MSPAP): Evidence from classroom instruction and assessment activities*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal, Canada.
- Parke, C. S. & Smith, M. (1998, April). *Examining student learning outcomes in the QUASAR project and comparing features at two sites that may account for their differential outcomes*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Parke, C. S. (1997, March). *Detecting DIF in a mathematics performance assessment: Use of an IRT and a non-IRT approach*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Brown, C. & Parke, C. S. (1997, March). *Justice Middle School: Tipping the scale from traditional instruction to a more reform-oriented mathematics program*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Parke, C. S. Lane, S., & Guo, F. M. (1995, April). *The consequences of a performance assessment in the context of a mathematics instruction reform project*. Paper presented at the annual meeting of the National Council of Measurement in Education, San Francisco, CA.
- Parke, C. S. (1993, April). *Designing performance assessments: An examination of changes in task structure on student performance*. Paper presented at the annual meeting of the National Council on Measurement in Education, Atlanta, GA.
- Lane, S., Parke, C. S., and Moskal, B. (1992, April). *Principles for developing performance assessments*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco, CA.

2. Invited National Presentation

Parke, C. S. (2013, June). Transitioning to Next Generation Assessment: A continuum of performance assessment approaches. Discussant at the Council of Chief State School Officers (CCSSO) National Conference on Student Assessment (NCSA), Washington, DC.

Parke, C. S. (2005, April). *High-stakes testing: Problematizing the issue*. Discussant at the annual meeting of the American Educational Research Association, Montreal, Canada.

Parke, C. S. (2000, April). *Perspectives from a new faculty member*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.

3. Invited State Presentation

Parke, C. S. (2000, October). *Examining Classroom Instruction and Assessment Activities*. State Conference of West Virginia: IMPACT (Implementing Model Practices to Assure Competent Teachers), Charleston WV.

4. University Presentations

Parke, C. S. (1998, October). *Which test factors and variables affect the fit of open-ended items?* Research Colloquium, School of Education, University of Pittsburgh, PA (Invited)

Parke, C. S. (1997, March). *Consequences of a High-Stakes Statewide Performance Assessment*. Graduate Student Symposium, School of Education, University of Pittsburgh, PA (Refereed)

Parke, C. S. (1997, February). *The effects of a mandated state assessment program*. School of Education Board of Visitors Meeting, University of Pittsburgh, PA (Invited)

Parke, C. S. (1996, March). *Consequences of a mathematics performance assessment*. Graduate Student Symposium, University of Pittsburgh, PA (Refereed)

F. External Grants

Boston, M. & Parke, C. S. (October 2017). Co-Principal Investigators as External Evaluators of NSF Grant “Designing for Equity by Thinking in and about Mathematics (DEbT-M) Project”.

Boston, M. & Parke, C. S. (October 2016). Co-Principal Investigators as External Evaluators of NSF Grant “Designing for Equity by Thinking in and about Mathematics (DEbT-M) Project”.

Boston, M. & Parke, C. S. (October 2015). Co-Principal Investigators as External Evaluators of NSF Grant “Designing for Equity by Thinking in and about Mathematics (DEbT-M) Project”.

Boston, M. & Parke, C. S. (October 2014). Co-Principal Investigators as External Evaluators of NSF Grant “Designing for Equity by Thinking in and about Mathematics (DEbT-M) Project”.

Boston, M. & Parke, C. S. (October, 2013). Co-Principal Investigators as External Evaluators of NSF Grant “Designing for Equity by Thinking in and about Mathematics (DEbT-M) Project”. \$614,000 over 5 years. In collaboration with PIs Al Cucuo, Eden Badestcher (Educational Development Center); Charles Munter (University of Pittsburgh); John Mackey (Carnegie Mellon University); Jeff Ziegler (Pittsburgh Public Schools). Total amount for collaboration among institutions: \$8.2 million).

Parke, C. S. (Fall 2008/Winter 2009). A+ Schools Community School Progress Reports and Data Analysis. Funded by A+ Schools, Pittsburgh, PA. \$9,816.60.

Parke, C. S. (Fall 2007/Winter 2008). A+ Schools Community School Progress Reports and Data Analysis. Funded by A+ Schools, Pittsburgh, PA. \$9,816.60.

Parke, C. S. (Fall 2006/Winter 2007). A+ Schools Community School Progress Reports and Data Analysis. Funded by A+ Schools, Pittsburgh, PA. \$9,816.60.

Parke, C. S. (Fall 2005). A+ Schools Community School Progress Reports and Data Analysis. Funded by A+ Schools, Pittsburgh, PA. \$12,039.

Parke, C. S. (Spring/Summer 2005). A+ Schools Data Analysis Project: Pilot Phase. Funded by A+ Schools, Pittsburgh, PA. \$12,094.

G. Awards

May, 2005, Presidential Scholarship Award, Duquesne University, Pittsburgh, PA

November, 1997, Student Research Award, University of Pittsburgh, PA

H. Works in Progress

1. Manuscripts in preparation

IV. SERVICE

A. Professional Service

1. Chair and Membership for National Professional Organization

Program Co-Chair, Annual meeting of the National Council on Measurement in Education, San Diego, CA (2003-2004)

Member, Annual Program Committee for the annual meeting of the National Council on Measurement in Education, Montreal, Canada (2004-2005)

Member, National Council on Measurement in Education Newsletter Advisory Board (2003-2008)

Chair, Graduate Student Issues Committee of the National Council on Measurement in Education (1994-1995)

Member, Graduate Student Issues Committee of the National Council on Measurement in Education (1993-1994)

2. Member of Editorial Board

Journal of Educational Research (2006 to 2013)

Educational Measurement: Issues and Practice (2006 to 2009), a journal of the National Council on Measurement in Education

3. Reviewer of Manuscripts and Proposals

Ad hoc reviewer for professional journals including *Journal of Research in Mathematics Education*, *Elementary School Journal*, *Journal of Experimental Education*, and *Educational Assessment, Educational Administration Quarterly*, *Middle School Journal*, *Educational Research*, *Journal of Statistics Education*

Reviewer of Division C and D proposals for annual meetings of the American Educational Research Association since 1998

Reviewer of proposals for annual meetings of the National Council on Measurement in Education since 1998

Reviewer of proposals for the 2005 annual meeting of the University Council for Educational Administration

Reviewer of assessment tasks and rubrics for the Allegheny Intermediate Unit, Pittsburgh, PA. August, 2000.

Reviewer of Professional Development Schools (PDS) Assessment Surveys developed by NCRESST. October, 1999.

B. University Service

Member, Retirement Committee, Duquesne University (2015 to 2016)

Member, Faculty Senate, Duquesne University (2004 to 2008, 2012 to 2015)

Member, University Institutional Review Board (2005 to 2009, 2012 to present)

Member, Wellness committee, a subcommittee of Faculty Senate (2007)

Member, Quality Assurance Council (2007 to 2008)

Member, Faculty Insight to the President (2006-07)

Member, Scholarship Writing Award committee (2006)

Member, Creative Teaching Award committee (2005-06, 2006-07)

C. School or College Service

Classroom observations for peers (2015 to present)

Member, Dean's Evaluation Committee (2014)

Member, Senate Nominating Committee, (2016)

Member, Mentoring Committee, Dr. Amy Olson (2014 to present)

Member, Mentoring Committee, Dr. Rachel Ayieko (2014 to present)

Member, Mentoring Committee, Dr. Debra Hyatt-Brookhart (2013-2015)

Member, Search Committee for Assistant Professor (tenure-track) Educational Psychology/
Classroom Assessment (2013)

Member, Search Committee for Assistant Professor (tenure-track) Educational Administration
(2013)

Member, Search Committee for Associate Professor (non-tenure-track) Educational
Administration (2013)

Member, Faculty Awards Committee, (2013 to present)

Member, Academic and Curriculum Committee (2012 to present)

Member, Faculty Awards Committee (2014)

Member, CPED Working Group on Field Experience and Practicum (2008 to present)

Member, Research Advisory Council (2008 to 2011)

Member, Tenure and Promotion committee (2007 to 2010)

Member, Professional Development School Research and Evaluation Group (2002-2004)

Member, Academic Affairs Committee, College of Human Resources and Education, West
Virginia University, WV (2000-2002)

Member, Teacher of the Year Award Committee, College of Human Resources and Education,
West Virginia University, WV (1999-2002)

Member, Teacher Education Advisory Committee, College of Human Resources and Education,
West Virginia University, WV (2000-2002)

Member, Planning and Budget Committee. School of Education, University of Pittsburgh, PA
(1996-1997)

Faculty/Student Research Award Committee, School of Education, University of Pittsburgh, PA
(1995-96)

D. Department Service

Chair, Department Promotion and Tenure committee (2017)

Member, Search Committee for Educational Psychology, Classroom Assessment tenure-track assistant professor position (2013-14)

Member, Search Committee for Educational Administration and Leadership tenure-track assistant professor position (2013)

Member, Search Committee for Educational Administration and Leadership non-tenure track associate professor position (2013)

Member, Mentoring Committee for Debra Hyatt-Burkhart (DCPSE) (2012 to present)

Member, Mentoring Committee for Temple Lovelace (DCPSE) (2008 to 2011)

Member, Leadership Symposium Committee (DEFL) (2007 to 2008)

Member, Mentoring Committee for Melissa Boston (DILE) (2006 to present)

Member, Search Committee for Secondary Mathematics Education tenure-track faculty position, DILE (2005-06)

Member, Search Committee for School Psychology tenure-track faculty position (DCPSE) (2005-06)

Member, Search Committee for Educational Leadership Associate/Full Professor position (DEFL) (2005-06)

Member, Search Committee for Educational Leadership tenure-track faculty position, Department of Foundations and Leadership, Duquesne University (2004-2005)

Member, Search Committee for School Psychology tenure-track faculty position, Department of Counseling and Psychology, Duquesne University (2004-2005)

Member, Search Committee for Educational Leadership tenure-track faculty position, Department of Advanced Educational Studies, West Virginia University, WV (2000-2002)

Member, Annual Review Committee, Department of Advanced Educational Studies, West Virginia University, WV (2000-2002)

E. Community Service

Presented and facilitated discussions at informational meetings for parents and community members and conducted focus group meetings on School Progress in the Pittsburgh Public Schools (2005 to 2009)

Served as the Technical Advisor to the APEX Teachers Academy, Duquesne University, PA (2003-2004)

Served as the Survey and Statistical Analyst on the Program Evaluation Team for Boyce Campus Middle College, Duquesne University, PA (2003)

Served as a Faculty Liaison and member of the Site Steering Committee at Suncrest Middle School, a Professional Development School in the Benedum Collaborative, West Virginia University, WV. (2000 to 2002)

Served as the Research Methodology Advisor to students in the Masters of Occupational Therapy program at Chatham College, Pittsburgh, PA (1999)

Served as a Design and Statistical Consultant for Children's Hospital of Pittsburgh, PA (1999)

F. Other publications not included under Scholarship or Teaching

The following publications resulted from service activities.

1. Progress Reports for Pittsburgh Public Schools

A+ Schools. (2008). *The Fourth Annual Report to the Community on Public School Progress in Pittsburgh (2007-08)*. A+ Schools: A Community Alliance for Public Education.

A+ Schools. (2007). *The Third Annual Report to the Community on Public School Progress in Pittsburgh (2006-07)*. A+ Schools: A Community Alliance for Public Education.

A+ Schools. (2006). *The Second Annual Report to the Community on Public School Progress in Pittsburgh (2005-06)*. A+ Schools: A Community Alliance for Public Education.

A+ Schools. (2006). *The First Annual Report to the Community on Public School Progress in Pittsburgh (2004-05)*. A+ Schools: A Community Alliance for Public Education.

2. Technical report

Furman, R.L., Furman, R., Henderson, J., Luke, C., Weinrich, L. T., Gido, J., Lindstrom, C., Plesha, J., & Parke, C. S. (2003). *Boyce Campus Middle College Program Evaluation Report*.

3. Non-peer reviewed book and Compact Disc

Bilik, M., McConegly, M., O'Brien, C., Parke, C. S., Seeley, M., & Sims, L. (alphabetical order). (2001). *What's the big idea? A middle school mathematics initiative*. Math & Science Collaborative and McDonald's Restaurants.

4. Non-peer reviewed journal article

Parke, C. S. (2001). What's the big idea? Math and science collaborative and McDonald's restaurants introduce a set of middle school mathematics materials. *Math and Science Collaborative Journal*, 7, 31.