
Sung Eun Park, Ph.D.

Education

- May 2020 Ph.D. in Research, Measurement, and Evaluation (RME),
Department of Educational and Psychological Studies,
University of Miami
Dissertation Title:
A New Approach for Synthesizing Study Results from
Structural Equation Modeling
Committee:
Dr. Soyeon Ahn (Chair), Dr. Cengiz Zopluoglu, Dr. Jue Wang,
Dr. Kevin Jacobs
- August 2001 Ph.D. in Educational Psychology, Department of Education,
Yonsei University, S. Korea
Dissertation Title:
The Study on Learning Effects of Situated Cognition Model
Committee:
Dr. Myung Hee Synn (Chair), Dr. Sung Ho Lee, Dr. Jong Sung
Lee, Dr. In Whoe Kim, and Dr. Moon Hee Yeon
- February 1996 M.A. in Educational Psychology, Department of Education,
Yonsei University, S. Korea.
Thesis Title:
A Study on Personal Intelligence and Learning Style
Committee:
Dr. Myung Hee Synn (Chair), Dr. Sung Ho Lee, Dr. Jong Sung
Lee
- February 1994 B.A. in Education, Department of Education, Yonsei University, S.
Korea.

Professional Career

- Spring 2021 – Present Postdoctoral Associate
School of Universal Computing Construction and Engineering
Education
Florida International University
- Fall 2020 Postdoctoral Associate
Department of Counseling, Recreation, and School
Psychology
Florida International University

Fall 2015 – Present	<p>Statistical Consultant Yonsei Institute of Sport Science and Exercise Medicine (YISSEM: International Olympic Committee (IOC) Medical and Scientific Committee Research Center), Yonsei University, S. Korea</p>
Fall 2015 – Spring 2019	<p>Research Assistant Teaching Assistant (Quantitative Methods I & Quantitative Methods II) Department of Educational and Psychological Studies, University of Miami</p>
Summer 2016 – Spring 2019	<p>Statistical Consultant Statistical Supporting Unit (STATS-U) of Dunspaugh-Dalton Community and Educational Well-Being Research Center, University of Miami</p>
Summer 2016; 2017	<p>Adjunct Lecturer, Quantitative Methods I (Graduate Level) Department of Educational and Psychological Studies, University of Miami</p>
March 1999 – August 2012	<p>Researcher Institute for Educational Research, Yonsei University, S. Korea</p>
March 2000 – August 2005	<p>Adjunct Lecturer Department of Education, Mokwon University, S. Korea Department of Education, Yonsei University, S. Korea Department of Education, Hanyang University, S. Korea Department of Education, Kyungin women’s college, S. Korea Liberal Arts, Gongju National University of Education, S. Korea Liberal Arts, Kangnam Univeristy, S. Korea College of Medicine, Pochon Cha University, S. Korea Department of Education, Myongji College, S. Korea Graduate School of Education, Yonsei University, S. Korea Graduate School of Education, Hanyang Universtiy, S. Korea Wonju College of Medicine, Yonsei University, S. Korea Wonju Campus, Yonsei University, S. Korea</p>
August 1998 – February 2000	<p>Full Time Research Associate Department of Medical Education, College of Medicine, Yonsei University, S. Korea</p>

March 1998 – August 1998 Adjunct Lecturer
Department of Education, Mokwon University, S. Korea

Sept. 1997 – February 1998 Graduate Assistant
Department of Education, Yonsei University, S. Korea

March 1994 – February 1996 Graduate Assistant
Department of Education, Yonsei University, S. Korea

Teaching Experience

Fall 2017 Workshop Instructor – Power Primer
Statistical Supporting Unit (STATS-U) of Dunspaugh-Dalton
Community and Educational Well-Being Research Center,
University of Miami

Summer 2016; 2017 Adjunct Lecturer – Quantitative Methods I (EPS700;
Graduate Level)
Department of Educational and Psychological Studies,
University of Miami

Spring 2017 Workshop Instructor – Power Analysis and Sample Size
Calculation
Statistical Supporting Unit (STATS-U) of Dunspaugh-Dalton
Community and Educational Well-Being Research Center,
University of Miami

Fall 2016 Workshop Instructor – Data Visualization Using R
Statistical Supporting Unit (STATS-U) of Dunspaugh-Dalton
Community and Educational Well-Being Research Center,
University of Miami

March 2005 – August 2005 Adjunct Lecturer – Educational Psychology
Wonju College of Medicine, Yonsei University, S. Korea

March 2004 – August 2005 Adjunct Lecturer – Curriculum and Evaluation
Graduate School of Education, Hanyang University, S. Korea

March 2004 – August 2005 Adjunct Lecturer – Educational Psychology; Developmental
Psychology; Modern Society and Psychology; Psychology:
Understanding of Human Behavior
Wonju Campus, Yonsei University, S. Korea

March 2002 – August 2005 Adjunct Lecturer – Educational Psychology; Models of
Teaching and Instructional Design; Introduction to Adolescent
Education
Department of Education, Yonsei University, S. Korea

March 2004 – August 2004 Adjunct Lecturer – Curriculum and Evaluation
Graduate School of Education, Yonsei University, S. Korea

March 2004 – August 2004	Adjunct Lecturer – Educational Psychology Wonju College of Medicine, Yonsei University, S. Korea
Sept. 2003 – February 2005	Adjunct Lecturer – Educational Psychology; Introduction to Education Department of Education, Myeongji University, S. Korea
March 2002 – August 2004	Adjunct Lecturer – Curriculum and Evaluation Department of Education, Hanyang University, S. Korea
March 2002 – August 2004	Adjunct Lecturer – Introduction to Education; Educational Psychology Department of Education, Kyungin Women’s College, S. Korea
Sep. 2003 – February 2004	Adjunct Lecturer – Educational Psychology; Models of Teaching and Instructional Design College of Medicine, Pocheon Cha University, S. Korea
Sep. 2003 – February 2004	Adjunct Lecturer – Child Psychology Department of Education, Myeongji College, S. Korea
Sep. 2000 – August 2001	Adjunct Lecturer – Curriculum and Evaluation; Educational Psychology Department of Education, Mokwon University, S. Korea
Sept. 2000 – August 2001	Adjunct Lecturer – Introduction to Education; Educational Psychology Department of Education, Kyungin Women’s College, S. Korea
Sept. 2000 – February 2001	Adjunct Lecturer – Developmental Psychology Liberal Arts, Kangnam University, S. Korea
March 2000 – August 2000	Adjunct Lecturer – Educational Psychology Liberal Arts, Gongju National University of Education, S.Korea
March 1998 – August 1998	Adjunct Lecturer – Curriculum and Evaluation Department of Education, Mokwon University, S. Korea
October 1996 – Dec. 1996	Substitute Teacher – English Bucheon Middle School, S. Korea

Publications

Published Articles

- Kim, S., Ahn, S., **Park, S. E.** (2021). Design and evaluation of a serious digital game to discourage indoor tanning among young adults: A Theory-based, collaborative approach. *The Korean Journal of Advertising and Public Relations*, 23(3), 236-285.

- Jeon, H. G., Lee, S. Y., **Park, S. E.**, & Ha, S. (2021). Ankle instability patents exhibit altered muscle activation of lower extremity and ground reaction force during landing: A systematic review and meta-analysis. *Journal of Sports Science and Medicine*, 20(2), 373-390.
- Park, S. E.**, Ahn, S., & Zopluoglu, C. (2021). Differential item functioning (DIF) effect size from multi-group confirmatory factor analysis for a meta-analysis: A simulation study. *Educational and Psychological Measurement*, 81(1), 182-199.
- Lebron, C. N., Lee, T. K., **Park, S. E.**, St. George, S. M., Messiah, S. E., & Prado, G. J. (2018). Effects of parent-adolescent reported family functioning discrepancy on physical activity and diet among Hispanic youth. *Journal of Family Psychology*, 32(3), 333-342.
- Myers, N. D., **Park, S. E.**, Ahn, S., Lee, S., Sullivan, P., & Feltz, D. (2017). Proposed sources of coaching efficacy: A meta-analysis. *Journal of Sport & Exercise Psychology*, 39, 261-276.
- Myers, N. D., Matthews, T. D., & **Park, S. E.** (2016). Measurement in physical education and exercise science: A brief report on 2015 and calls for manuscripts in 2016 and beyond. *MPEES*, 20(2), 75-80.
- Myers, N. D., **Park, S. E.**, Lefevor, G. T., Dietz, S., Prilleltensky, I., & Prado, G. J. (2016). Measuring multidimensional subjective well-being with the I COPPE scale in a Hispanic sample. *MPEES*, 20(4), 230-243.
- Kang, S. Y., Kim, E. J., Cho, H. H., Hong, J. I., & **Park, S. E.** (2005). The effects of problem based learning in engineering education. *Journal of Engineering Education Research*, 8(2), 24-34.
- Kwon, Y. S., Kang, S. Y., & **Park, S. E.** (2005). A study of college students' academic motivation and adjustment. *The Educational Research for Tomorrow*, 18(2), 86-108.
- Park, S. E.** (2004). The influences of learning styles and situated learning on learning effects. *The Educational Research for Tomorrow*, 17(2), 71-93.
- Park, M. S., & **Park, S. E.** (2004). The relationship between internet immersion and social competences and behavior development of elementary school children. *The Korean Journal of Educational Psychology*, 18(1), 313-327.
- Park, S. E.**, & Park, J. Y. (2001). The influences of learning styles on problem-based learning. *Management Education Review*, 5(1), 73-85.

Research Reports

- Kang, S. Y., **Park, S. E.**, Noh, W. K., & Jo, S. H. (2010). *The establishment of hub for PBL proliferation*. Yonsei University.
- Kang, S. Y., Synn, M. H., **Park, S. E.**, Noh, W. K., & Jo, S. H. (2009). *The study on PBL guidebook in Engineering education*. Yonsei University.
- Kwon, Y. S., Kang, S. Y., & **Park, S. E.** (2005). *The study on learning motivation and school adjustment of Myongji College students*. The Institute for Teaching and Learning Development, Myongji College.

Min, D. J., Hong, J. I., Kang, S. Y., Han, K. H., & **Park, S. E.** (2004). *The syllabus, problems of problem based learning in engineering*. The College of Engineering, Yonsei University.

Books

- Kim, M. H., Joo, E. H., Park, S. H., Shin, D. E., & **Park, S. E.** (2013). *A process approach for teachers and children* (5th ed.). NJ: Pearson. In Transference version in Korean. Seoul: Academy Press.
- Synn, M. H., Kang, S. Y., Kim, E. K., Kim, J. M., Noh, W. K., **Park, S. E.**, Seo, E. H., Won, Y. S., & Hwang, E. Y. (2010). *Educational psychology*. Seoul: Hakgisa.

Manuscripts Under Review

- Bang, H., Smith, N. S., **Park, S. E.**, & Lee, C. (under review). *Perceived quality and organizational support for enhancing volunteers' leisure satisfaction and civic engagement: A case of the 2020 Super Bowl*. Manuscript submitted for publication.
- Fletcher, T. L., Jefferson, J. P., Boyd, B., **Park, S. E.**, & Crumpton-Young, L. (revision resubmitted). *Race and Equity in Higher Education: The Impact of COVID-19 on Broadening Participation Efforts at Historically Black Colleges and Universities (HBCUs)*. Manuscript submitted for publication.
- Kim, H. J., **Park, S. E.**, Jeon, H. G., Lee, S. Y. (under review). *The effect of whole body vibration training on muscle functions in elderly individuals: A systemic review and meta-analysis*. Manuscript submitted for publication.
- Lee, I., Jeon, H. G., Ha, S., **Park, S. E.**, Jeong, H. S., Lee, S. Y. (under review). *How is medial tibial stress syndrome affected by alignment, range of motion, strength, and gait biomechanics? A systematic review and meta-analysis*. Manuscript submitted for publication.
- Jefferson, J. P.*, **Park, S. E.***, Fletcher, T. L., Coso Strong., A., Nicholson, S., Moten, J. R. (in preparation). *Pillars of Success: The Role of Historically Black Colleges and Universities (HBCUs) in STEM Undergraduate Preparation Leading to Graduate School Pathways"*. Manuscript submitted for publication. (* co-first author)

Manuscripts in Preparation

- Brown, F., Fletcher, T. L., **Park., S.E.**, Cross, K. J., & Pierce, K. (in preparation). *Engineering faculty's mindset and the impact on instructional practices*.
- Coso Strong., A., **Park, S. E.**, Hasbun, I., Kendall, M. (in preparation). *Institutional diversity in engineering program across HISs*.
- Fletcher, T. L., Boyd, B., **Park., S.E.**, Jocelyn, Nicholson, S. (in preparation). *Perceptions of experiences for Black female mentor teachers within a summer engineering program*.
- Fletcher, T. L. et al. (in preparation). *Not a monolith: The experiences of HBCU female graduates who successfully completed graduate degrees*.

Conference Presentations

- Secules, S., **Park, S. E.**, McCall, C., & Kali, M. B. (2021). *Developing a survey for engineering faculty knowledge and interest in diversity, equity, inclusion topics*. Frontier in Education (FIE) 2021 Conference, Lincoln, NE.
- Fletcher, T., Coso Strong., A., Jefferson, J. P., Moten, J. R., **Park, S. E.**, & Adams, D. (2021). *Exploring the excellence of HBCU scientists and engineers: The development of an alumni success instrument linking undergraduate experience to graduate pathways*. American Society for Engineering Education (ASEE), Virtual conference.
- Park, S. E.** & Ahn, S. (2018). *Synthesizing differential item functioning (DIF) indicator from multi-group confirmatory factor analysis: A simulation study*. Society for Research Synthesis Methods (SRSM), Bristol, UK.
- Park, S. E.**, Myers, N. D., Ahn, S., Lee, S., Sullivan, P., & Feltz, D. (2018). *Proposed sources of coaching efficacy: A meta-analysis*. North American Society for Psychology of Sport and Physical Activity, Denver, CO.
- Myers, N. D., **Park, S. E.**, Lefevor, G. T., Dietz, S., Prillettensky, I., & Prado, G. J. (2016). *Measuring multidimensional subjective well-being with the I COPPE scale in a Hispanic sample*. North American Society for Psychology of Sport and Physical Activity, Montreal, Canada.
- Park, M. S. & **Park, S. E.** (2003). *The effects of internet immersion on children's social competences and behavior*. Korean Society of Educational Psychology conference, Kyungju, South Korea.
- Park, S. E.** & Park, J. Y. (2000). *The influences of learning styles on problem-based learning*. 2nd Asia –Pacific conference on PBL, Singapore.

Doctorate Dissertation

- Park, S. E.** (2020). *A New Approach for Synthesizing Study Results from Structural Equation Modeling*. [Doctoral dissertation, University of Miami]. Coral Gables, USA.
- Park, S. E.** (2001). *The Study on Learning Effects of Situated Cognition Model*. [Doctoral dissertation, Yonsei University]. Seoul, S. Korea.

Master's degree thesis

- Park, S. E.** (1996). *A Study on Personal Intelligence and Learning Style*. [Master's thesis, Yonsei University]. Seoul, S. Korea.

Awards and Scholarships

- | | |
|------|---|
| 2019 | School of Education and Human Development Research Support Award
University of Miami, \$1,200. |
| 2018 | School of Education and Human Development Travel Support Award
University of Miami, \$400. |

- 2017 School of Education and Human Development Research Support Award
University of Miami, \$990.
- 2000 Outstanding Graduate Student Award, Yonsei University, \$4,000
- 1994 – 1995 Yonsei Graduate Student Assistant Scholarship Award
Yonsei University, \$3,000 each year
- 1990 – 1994 Yonsei Scholarship Award
Yonsei University, \$1,200 each year

Funding

- 2017 A new approach for handling missing correlation values for meta-analytic structural equation modeling
Funded by Campbell Collaboration, Research Assistant, \$19,993
- 2009 The establishment of hub for problem based learning proliferation
Funded by Ministry of Education and Science, \$35,000
- 2008 The development of problem based learning guidebook in engineering education
Funded by Ministry of Education and Science, \$30,000
- 2005 The adaptation of problem based learning in engineering education 3rd project
Funded by Ministry of Commerce, Industry and Energy, \$30,000
- 2004 The adaptation of problem based learning in engineering education 2nd project
Funded by Ministry of Commerce, Industry and Energy, \$30,000.
- 2004 The study on learning motivation and school adjustment of Myongji College students
Funded by Myongji College, \$5,000
- 2003 The adaptation of problem based learning in engineering education 1st project
Funded by Ministry of Commerce, Industry and Energy, \$40,000
- 2003 Relationship between internet immersion and social competences and behavior development of elementary school children
Funded by Kyungin Women's College, \$3,000
- 2000 The influences of learning style and situated learning on learning effects
Funded by Korean Research Foundation, New Researcher's Encouragement Grant, \$7,000

Ad-hoc Reviewer

- Journal of Applied Sport Psychology (JASP)
- International Journal of Sport and Exercise Psychology (IJSEP)
- International Journal of Human Movement Science (IJHMS)
- Frontiers in Education (FIE)

Graduate Coursework/Workshop/Training

- Selected Graduate Coursework**
- General Linear Modeling

Applied Multivariate Statistics
Introduction to Structural Equation Modeling (SEM)
Introduction to Multilevel Modeling (HLM)
Advanced Topics in Research, Measurement, and Evaluation (SEM II course)
Meta-Analytic Methods for Research Synthesis
Categorical Data Analysis
Item Response Theory (IRT)
Computer Applications (R programming)
Data Visualization
Data Mining / Machine Learning (Audit)
Bayesian Analysis (Audit)
Time Series Analysis (Audit)

Advanced Quantitative Trainings

Applied Missing Data Analysis: An Intensive Methodological Workshop (11/2015)
Instructor: Craig Enders, Ph.D. (University of California at LA)

Analyzing Intensive Longitudinal Data (01/2016)
Instructor: Jean-Philippe Laurenceau, Ph.D. (University of Delaware)

The Life of an ATLAS.TI Project: Integrating ATALS.TI into Qualitative Analysis Approach (09/2016)
Instructor: Kevin Swartout, Ph.D. (Georgia State University)

Introduction to the Models and Tools for Social Network (10/2016)
Instructor: Kevin Frank, Ph.D. (Michigan State University)

Spatial analysis for social science and educational research using GIS (geographic information system) (04/2017)

Bayesian Analysis (10/2019)
Instructor: Roy Levy, Ph.D. (Arizona State University)

Cutting –Edge Quantitative and Computational Methods for STEM Education Research (02/2021), AERA-ICPSR PEERS Data Hub Workshop

A LASER Focus on Understanding and Improving STEM Education (Data Analytics) (08/2021), AERA-ICPSR PEERS Data Hub Workshop

Statistical Analysis Software and Programming Skills

SPSS, R, Mplus, AMOS, jMetrik, Wingen, IRTPRO, SAS, SQL, Tableau

Professional Organization Memberships

March 1998 – present	Korean Society of Educational Psychology
January 2018 – present	North American Society for Psychology of Sport and Physical Activity (NASPSPA)
May 2021– present	American Society for Engineering Education (ASEE)