

Philip Sirinides

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EDUCATION

- 2009 Ph.D., Quantitative Methods
University of Pennsylvania, Graduate School of Education
- 2003 B.S.Ed., Secondary Education (PA certified)
Temple University, College of Education

EMPLOYMENT

- 2020- Associate Professor of Education
Penn State University at Harrisburg, School of Behavioral Sciences and Education
- 2020- Director
Institute of State and Regional Affairs, Penn State Harrisburg
- 2017-19 Research Assistant Professor
University of Pennsylvania, Graduate School of Education
- 2011-19 Senior Researcher
Consortium for Policy Research in Education at the University of Pennsylvania
- 2009-11 Director of Research and Evaluation
Pennsylvania Dep. of Education, Office of Child Development and Early Learning
- 2003-05 English Language Arts Teacher
Franklin Towne High School (Philadelphia, PA)
- 2001-04 Management Information Systems Associate
Montgomery, McCracken, Walker & Rhoads (Philadelphia, PA)

AWARDS

- 2019-20 Principal Investigator. The Cost and Value of Child Care in Pennsylvania. *Pennsylvania Department of Education, Office of Child Development and Early Learning*. \$489,519.
- 2016-20 Principal Investigator. ECDataWorks: Advancing Early Childhood Policy and Programs through Strategic Use of Integrated Data. *W. K. Kellogg Foundation*. \$5,000,000.
- 2018-20 Co-Principal Investigator (with Gray, PI; Fink, Co-PI). PBIS is Challenging Contexts: Evaluating a Replicable Implementation Approach in Philadelphia. *U.S. Department of Justice, National Institute of Justice*. \$2,999,912.
- 2016-19 Principal Investigator (with Gray, Co-PI). Efficacy Evaluation of Zoology One: Kindergarten Research Labs. *U.S. Department of Education, Institute of Education Sciences*. \$3,298,650.

- 2015-19 Key Personnel, Statistician (with Ingersoll, PI). The Effects of Education and Professional Development on Beginning STEM Teacher Persistence: A Longitudinal Study. *The National Science Foundation*. \$886,618.
- 2016-17 Co-Principal Investigator (with Gray, PI). Suspension Practices in the Context of PBIS: Implications for K-8 Students in the School District of Philadelphia. *U.S. Department of Justice, National Institute of Justice*. \$922,661.
- 2014-17 Principal Investigator. Validating the SunBay Middle School Digital Mathematics Program. *U.S. Department of Education, Investing in Innovation Program* (subcontract through SRI International). \$1,302,656.
- 2014-16 Co-Principal Investigator (with Ebby, PI). Teachers' Use of Learning Trajectories in Analysis of Evidence and Instructional Response. *The Spencer Foundation*. \$300,000.
- 2010-15 Principal Investigator (with May, Project PI; Gray, Co-PI). Evaluation of the Scale-Up of Reading Recovery. *US Department of Education, Investing in Innovation Program* (subcontract through Ohio State University). \$3,999,828.
- 2014 Principal Investigator. An Assessment of Philadelphia's System of Museum and Library Early Learning Services. *The BUILD Initiative*. \$63,135.
- 2014 Principal Investigator (with Fantuzzo, Co-PI). An Inquiry of Keystone STARS. *The William Penn Foundation*. \$399,425.
- 2012-14 Principal Investigator. Early Childhood State Data Systems Workgroup. *U.S. Department of Education, Regional Education Laboratory* (subaward through the Mid-Atlantic REL). \$250,000.
- 2010-13 Key Personnel, Statistician (with Supovitz, PI). Evaluation of GE Developing Futures in Education initiatives. *The General Electric Foundation*. \$2,564,099.
- 2007-09 Pre-Doctoral Fellow, Institute of Education Sciences Pre-Doctoral Training Program in Interdisciplinary Methods of Field-Based Research in Education.

JOURNAL PUBLICATIONS

- Sirinides, P., Gray, A. & May, H. (2018). The Impacts of Reading Recovery at Scale: Results from the Four-Year i3 External Evaluation. *Educational Evaluation and Policy Analysis*, 40 (3), 316-335.
- Ingersoll, R., Sirinides, P., & Dougherty, P. (2018). Leadership Matters Teachers' Roles in School Decision Making and School Performance. *American Educator*, 7(2018), 8.
- Sirinides, P. & Coffey, M. (2018). Leveraging Early Childhood Data for Better Decision Making. *The Education Standard, National Association of State Boards of Education*, 18(1), 35-38.
- Supovitz, J. & Sirinides, P. (2018). The Linking Study: An Experiment to Strengthen Teachers' Engagement with Data on Teaching and Learning. *American Journal of Education*, 124(2), 161-189.
- Sirinides, P., Fink, R. & DuBois, T. (2017). A study of early learning services in museums and libraries. *Early Childhood Education Journal*, 45(4), 563-573.

- Castleman, B., Haskins, R., Akers, B., Baron, J., Dynarski, S., Farran, D., Feldman, A., Jones, D., Keys, B., Maynard, R., Sirinides, P., & Zinman, J. (2017). Behavioral policy interventions to address education inequality. *Behavioral Science & Policy*, 3(1), 43–50.
- Sirinides, P. (2015). Unintended consequences of the push to close the gap by increasing quality. *The Education Standard, National Association of State Boards of Education*, 15(2), 43-48.
- May, H., Gray, A., Sirinides, P., Gillespie, J., Sam, C., Goldsworthy, H., Armijo, M., & Tognatta, N. (2015). Year one results from the multisite randomized evaluation of the i3 scale-up of reading recovery. *American Educational Research Journal*, 52(3), 547-581.
- Supovitz, J., Sirinides, P., & May, H. (2010). How principals and peers influence teaching and learning. *Educational Administration Quarterly*, 46, 31-56.

BOOK CHAPTER

- Ebby, C., & Sirinides, P. (2015). Conceptualizing teachers' capacity for learning trajectory-oriented formative assessment in mathematics. In Middleton, J., Cai, J. & Hwang, S. (Eds.), *Large-Scale Studies in Mathematics Education*. Springer International Publishing.

PEER-REVIEWED RESEARCH REPORTS

- Sirinides, P. & Gray, A. (2018). *The i3 Validation of SunBay Digital Mathematics*. Consortium for Policy Research in Education, Philadelphia, PA.
- Ebby, C., Fink, R. & Sirinides, P. (2018). *Enactment of Lessons from a Technology-Based Curriculum: The Role of Instructional Practices in Students' Opportunity to Learn*. Consortium for Policy Research in Education, Philadelphia, PA.
- Gray, A., Sirinides, P., Fink, R., Flack, A., DuBois, T., Morrison, K. & Hill, K. (2017). *Discipline in Context: Suspension, Climate, and PBIS in the School District of Philadelphia*. CPRE Research Reports, Philadelphia, PA.
- Ingersoll, R., Sirinides, P. & Dougherty, P. (2017). *School Leadership, Teachers' Roles in School Decision-making, and Student Achievement*. Consortium for Policy Research in Education Working Papers, Philadelphia, PA.
- May, H., Sirinides, P., Gray, A. & Goldsworthy, H., (2016). *Reading Recovery: An Evaluation of the Four-Year i3 Scale-Up*. Consortium for Policy Research in Education, Philadelphia, PA.
- Sirinides, P., Fantuzzo, J., LeBoeuf, W., Barghaus, K. & Fink, R. (2015). *An Inquiry into Pennsylvania's Keystone STARS*. Consortium for Policy Research in Education, Philadelphia, PA.
- Sirinides, P., & Fink, R. (2014). *Early Childhood State Data Systems: Putting Data to Work*. Washington, DC: U.S. Department of Education, Institute of Education Sciences, Regional Educational Laboratory Mid-Atlantic, Rockville, MD.
- May, H., Goldsworthy, H., Armijo, M., Gray, A., Sirinides, P, Blalock, T, Anderson-Clark, H, Schiera, A., Blackman, H., Gillespie, J. & Sam, C. (2014). *Evaluation of the i3 Scale-Up of Reading Recovery: Year Two Report*. Consortium for Policy Research in Education, Philadelphia, PA.

- Supovitz, J., Ebby, C. & Sirinides, P. (2013). *Teacher analysis of student knowledge: A measure of learning trajectory-oriented formative assessment*. Consortium for Policy Research in Education, Philadelphia, PA.
- Sirinides, P., Supovitz, J., Tognatta, N., & May, H. (2013). *The Impact of the GE Foundation Developing Futures in Education Program on Mathematics Performance Trends in Four Districts*. Consortium for Policy Research in Education, Philadelphia, PA.
- May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., & Ransom, T. (2013). *Apples and Oranges: Comparing the Backgrounds and Academic Trajectories of International Baccalaureate (IB) Students to a Matched Comparison Group*. Consortium for Policy Research in Education, Philadelphia, PA.
- May, H., Gray, A., Gillespie, J., Sirinides, P., Sam, C., Goldsworthy, H., Armijo, M., & Tognatta, N. (2013). *Evaluation of the i3 Scale-up of Reading Recovery: Year One Report*. Consortium for Policy Research in Education, Philadelphia, PA.

REFEREED PRESENTATIONS

- Sirinides, P. (2019) *Bridging the Divide: A New Renaissance in Early Childhood Data Use*. SXSW EDU, Austin, TX.
- Sirinides, P. (2019) *The influence of teacher beliefs on the fidelity and efficacy of a technology-based math intervention*. Paper presented at the Society for Research on Educational Effectiveness, Washington, DC.
- Sirinides, P. & Gray, A. (2019) *Kindergarten in SDP: A Special Case of Joiners*. Paper presented at the Society for Research on Educational Effectiveness, Washington, DC.
- Ingersoll, R. & Sirinides, P. (2018) *Teachers' Roles in School Leadership*, Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Patel, A. & Sirinides, P. (2018) *Data Quality from the Ground Up*, Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Ingersoll, R., Sirinides, P., & Collins, G. (2017) *New Data on Beginning Teacher Attrition*, Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Sirinides, P., Gray, A., & DuBois, T. (2017) *Suspension Profiles: Findings from a Cluster Analysis of School Disciplinary Practices*, Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Ebby, C., & Sirinides, P. (2017) *Developing Measures of Teacher and Student Understanding in Relation to Learning Trajectories*, Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX.
- Sirinides, P. (2017) *QRIS Family Voice*, Paper presented 2017 QRIS National Meeting, Dallas, TX.
- Sirinides, P., Ebby, C. & Gray, A. (2016). *Instructional Decision-Making Rooted in a Learning Trajectory Orientation*. Paper presented at the 13th International Congress on Mathematical Education, Hamburg, Germany.
- Sirinides, P., May, H., Gray, A. & Blackman, H. (2016). *Results from the Reading Recovery Investing in Innovation Fund (i3) Scale-Up Multisite Randomized Experiment*. Paper

- presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Sirinides, P., Fink, R. & DuBois, T. (2016). *A Collaborative Inquiry into Museum and Library Early Learning Services*. Poster Session at the Society for Research on Educational Effectiveness, Washington, DC.
- May, H., Sirinides, P., Gray, A., Blackman, H., Xie, Y. & Shrestha, P. (2016). *Results from the Reading Recovery Investing in Innovation Fund (i3) Scale-Up Regression Discontinuity Design*. Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Gray, A., Goldsworthy, H, Sirinides, P. & Armijo, M. (2015) *Investigating the Implementation of Reading Recovery: The Evolution of a Mixed-Methods Design*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Sirinides, P., Wang, A., & Blalock, T. (2014). *Understanding the state of Pennsylvania's children at kindergarten entry: A stakeholder dialogue*. Roundtable presentation at the annual meeting of the American Educational Research and Development Association, Phila., PA.
- May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., Ransom, T. (2014). *The futility of propensity score methods in a statewide study of International Baccalaureate (IB)*. Paper presented at the annual meeting of the American Educational Research Association, Phila., PA
- May, H., Sirinides, P., Gray, A., Armijo, M., Gillespie, J., Goldsworthy, H., Sam, C. & Blalock, T. (2014). *Linking Implementation to Impacts: Year 2 Results from the Mixed-Methods Evaluation of the Reading Recovery Investing in Innovation (i3) Scale-Up*. Paper presented at the annual meeting of the American Educational Research Association, Phila., PA.
- May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., Ransom, T. (2014). *The futility of propensity score methods in a statewide study of International Baccalaureate (IB)*. Paper presented at the Society for Research on Educational Effectiveness, Washington, DC.
- Ebby, C., Sirinides, P., & Supovitz, J. (2013). *Teacher Analysis of Student Knowledge (TASK): A Measure of Learning Trajectory-Oriented Formative Assessment*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- May, H., Sirinides, P., & Gillespie, J. (2013). *Results from the Reading Recovery multisite randomized experiment*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Sirinides, P., & May, H. (2013). *Unpacking the Effects of Reading Recovery: Exploring Contextual Predictors of Variation in Impacts*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Sirinides, P. (2009). *The Long and Winding Road: The Relationship between Leadership Practice and Student Performance*. Paper presented at the annual meeting of the American Education Research Association, San Diego, CA.
- Sirinides, P. (2008). *Telugu-Language Literacy Using Multimedia Input for Young School Children in Rural India*. Paper presented at the Comparative & International Education Society Conference, Teachers College, New York, NY.

- Sirinides, P. M., Waterman, C. & McDermott, P. (2008). *Preschool Test-Session Behaviors: A Scale for Longitudinal Studies*. Poster presented at the 116th Annual Meeting of the American Psychological Association, Boston, MA.
- Sirinides, P. (2008). *Three Methods of Identifying Randomized Studies for an International Registry of Trials: A Head to Head Comparison*. Poster presented at Society for Research in Educational Effectiveness Conference, Washington, DC.
- Sirinides, P., Waterman, C. & McDermott, P. M. (2008). *New Scale to Assess Test Session Behaviors in Preschool Children*. Poster presented at 79th Annual Meeting of Eastern Psychological Association Conference, Boston, MA.

INVITED PRESENTATIONS

- Sirinides, P. (2019) *Comprehensive Needs Assessment*. Preconference meeting of the NCES US Department of Education Statewide Longitudinal Data System Best Practices Conference.
- Sirinides, P. (2018) *Progress made in Designing Analytics to Provide Actionable Information*. Online webinar hosted by the Statewide Longitudinal Data System State Support Team.
- Sirinides, P. (2017) *Moving from Developing to Using Analytics within an ECIDS*. Statewide Longitudinal Data Systems Grant Program Best Practices Annual Conf, Washington D. C.
- Sirinides, P. (2017). *ECDataWorks: Advancing Early Childhood Policy and Practice through Strategic Use of Integrated Data*. Presentation to the QRIS National Learning Network.
- Sirinides, P. (2016). *It may work in practice, but does it work in theory? Alternatives to random assignment for large scale child outcome studies*. Presentation at the National Research Conference on Early Childhood, Washington, D.C.
- Sirinides, P. & Wang, A. (2016). *Integrating Theory Development and Project Management to Advance Early Education Initiatives*. Presentation at the Saint Joseph's University IDEPEL Conference: A Scholar-Practitioner Leadership Dialogue, Philadelphia, PA.
- Sirinides, P. (2015). *Fundamentals of Educational Measurement, Assessment and Testing*. Presentation to the Education Entrepreneurship Program, University of Pennsylvania Graduate School of Education, Philadelphia, PA.
- Sirinides, P. (2015). *Early Childhood Integrated Data Systems: Solutions for System and Data Integrity*. Presentation at a meeting of Great Lakes Comprehensive Center, Midwest Comprehensive Center, and the Regional Educational Laboratory Midwest, Chicago, IL.
- Sirinides, P. (2015). *High Quality Early Learning and Parental Engagement*. Presentation at the Philadelphia Mayor's Office of Community Empowerment and Opportunity (CEO)'s Shared Prosperity Roundtable, Philadelphia, PA.
- Sirinides, P. (2014). *Innovative Research Methods for QRIS Evaluation*. Presentation at the National QRIS Meeting, Washington, DC.
- Sirinides, P., Gray, A. & May, H. (2013). *Results from Year 1 of the Evaluation of the i3 Scale-up of Reading Recovery*. Presentation at an Institute of Education Sciences pre-doctoral training seminar, University of Pennsylvania, Philadelphia, PA.
- Sirinides, P. & Wat, A. (2011). *ECE Data Systems: The Framework, the Reality and the Possibilities*. Presentation at the ECO/NECTAC National TA Meeting, New Orleans, LA.

- Sirinides, P. & Klunk, T. (2011). *Legalities of Data Sharing and the Issue of Commonality*. Presentation for IES State Longitudinal Data System Early Childhood Webinar Series.
- Sirinides, P. (2011). *Measuring Community Resources in Early Childhood Research*. Presentation at a working meeting of the Administration for Children and Families, in partnership with Health Resources and Services Administration, Washington, DC.
- Sirinides, P. (2011). *Building an Accountably High-Quality Early Childhood System: Pennsylvania's Model for System Development*. Presentation at the annual National Business Summit on Early Childhood Investment, Boston, MA.
- Sirinides, P. (2010). *A Five-Year Investment Strategy for Early Care and Education*. Presentation to the Pennsylvania Governor's Early Learning Investment Commission. Harrisburg, PA.
- Sirinides, P. (2010). *Approaches to Early Learning Systems: Data System Development and Use*. Presentation at a colloquium hosted by Bill and Melinda Gates Foundation, Phila., PA.
- Sirinides, P. (2010). *Research Quality*. Keynote address at the Pennsylvania Early Intervention Leadership Policy Forum, Bedford Springs, PA.
- Sirinides, P. (2008). *Educational Leadership and Student Achievement: Pathways of Instructional Influence*. Paper presented at the Institute of Education Sciences Third Annual Research Conference, Washington DC.
- Sirinides, P. (2007). *Examining School Choice Using National Survey Data: Methods and an Analysis*. Presentation at an Institute of Education Sciences Pre-Doctoral training seminar, University of Pennsylvania, Philadelphia, PA.

TEACHING

Applied Quantitative Methods for Education Research

EDUC 751, 2015,'16,'17,'18 University of Pennsylvania Graduate School of Education.

Principles of Educational Testing

Lecture series EDUC 719, 2015-16 University of Pennsylvania Graduate School of Education.

OTHER REPORTS AND WHITE PAPERS

A Running Start Steering Committee (2018) Commitments and Action Steps on Revised Keystone STARS Standards. White Paper submitted to Suzann Morris, Deputy Secretary, OCDEL.

Sirinides, P. (2013). *Pennsylvania's Early Childhood Data Systems: History, Uses & Opportunities*. White Paper. Consortium for Policy Research in Education, Philadelphia, PA.

Sirinides, P., Smith, E., Collins, C. & Mitchell, S. (2011). *Pennsylvania's Affordable Care Act Maternal, Infant, and Early Childhood Home Visiting Plan and Needs Assessment, revised*. Pennsylvania Departments of Education and Public Welfare, Harrisburg, PA.

Sirinides, P. (2010). *Demonstrating Quality: Pennsylvania Keystone STARS 2010 Program Report*. Pennsylvania Office of Child Development and Early Learning, Harrisburg, PA.

Sirinides, P. (2009). *Educational Leadership and Student Achievement: Pathways of Instructional Influence*. Dissertations available from ProQuest, AAI3384131.

- Sirinides, P. (2008). *Program Impact Results for the Longitudinal Evaluation of the Bridges to the Future ICT Curriculum among School Children in Andhra Pradesh, India*. Final report submitted to The International Language Institute, Philadelphia, PA.
- Sirinides, P. (2008). *Geography of Giving: A GIS Study of Donations to Sunday Morning Breakfast Mission from 1990 to Present*. Report to Sunday Morning Breakfast Mission, Phila., PA.
- Sirinides, P. (2007). *Healthy Times Pilot Evaluation: Report of Findings*. Final study report submitted to The Food Trust, Philadelphia, PA.
- Sirinides, P. (2007). *Results from a three-year randomized experiment of a group-based cognitive-behavioral therapy for HIV+ women, using new scales for coping, risk aversion, and partnership with healthcare provider*. Final Report submitted to the Enhancing Prevention with Positives Evaluation Center, Drexel University Graduate School of Public Health, Philadelphia, PA.
- Sirinides, P., Wagner, D. & Babson, A. (2007). *Cognitive and Meta-cognitive Predictors of Observed and Self-Reported Literacy for First and Second Languages in South Africa Final Report*. Final report submitted to the National Center for Adult Literacy, International Language Institute, Philadelphia, PA.

ACADEMIC SERVICE AND COMMUNITY INVOLVEMENT

- 2017- Editorial Board: Journal of Education and Training Studies
- 2016- Running Start Steering Committee (A Running Start Philadelphia for every child, birth to 5)
- 2016- Grant Reviewer: W. T. Grant Foundation (2017,'18); Education Innovation and Research (2018)
- 2014- Dissertation Committee: University of Pennsylvania (2014, 2016, 2019); St. Joseph's University (2014)
- 2014 Subject Matter Expert: Common Education Data Standards V5
- 2012- Conference Referee: ICME-13 (2016); Society for Research in Educational Effectiveness (2012, 2016, 2018, 2019)
- 2012- Journal Referee: Early Childhood Education Journal; Journal of Education and Training Studies; Journal of Early Childhood Research; Education Policy; Education Administration Quarterly; Journal of Education for Students Placed at Risk
- 2011 Member, PA Department of Public Welfare, Secretary's Strategic Planning Committee
- 2011 Founder, PA Early Childhood Geospatial IT User Group
- 2010-11 Governing Board, Early Head Start Grantee: PA Department of Education
- 2010 Member, CCSSO State Early Childhood Education Assessment (ECEA) Consortium
- 2009 Reviewer, What Works Clearinghouse, IES

ADVISORY SERVICE

Berks County Intermediate Unit
 Bill and Melinda Gates Foundation

The BUILD Initiative
Camp William Penn, United States Colored Troops of La Mott, PA
County of San Francisco, Office of Early Care and Education
Drexel University, School of Public Health
The Family Child Policy Center
The Food Trust
The Friends of Benjamin Franklin House
The Institute for the Study of Literacy, Literature and Culture
National Center for Advancement of Literacy
Pennsylvania Department of Health
Pennsylvania Treasury Department
The School District of Philadelphia
Sunday Morning Breakfast Mission
Third Sector Intelligence
Washington State Department of Early Learning
The Wharton Social Impact Initiative