Professor

Education Research Methods

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**EDUCATION**

**Ph.D. Educational Policy**, University of Illinois, Urbana-Champaign, 2007

**M.Ed. Educational Policy**, University of Illinois, Urbana-Champaign, 2004

**B.A. Economics**, ***summa cum laude***, University of New Mexico, 2003

**A.S., Electronic Systems Technology**, Community College of the Air Force, 1999

**RESEARCH AND OTHER ACADEMIC APOINTMENTS**

2022-Present **Professor of Education Research Methods**, Indiana University, Bloomington, IN, USA

2018-2022 **Associate Professor of Educational Policy Studies**, Indiana University, Bloomington, IN, USA

2018-Present **Professor II of Educational Measurement,** Center for Educational Measurement, University of Oslo, Oslo, Norway

2019-Present **Adjunct Associate Professor,** Queensland University of Technology, Brisbane Australia

2015–2017 **Professor of Educational Measurement,** Center for Educational Measurement, University of Oslo, Oslo, Norway

2011–2015 **Assistant Professor of Educational Policy Studies**, Department ofEducational Leadership and Policy Studies, Indiana University, Bloomington, IN, USA

2010–2011 **Visiting Lecturer of Education Policy**, University of Vienna, Austria

2010–2011 **Assistant Research Scientist**, Center for Evaluation and Education Policy, Indiana University, Bloomington, IN, USA

2007–2009 **Research Associate,** Research and Analysis Unit, IEA-DPC, Hamburg, Germany

2004–2007**Research Assistant**, Educational Leadership and Policy, University of Illinois, Champaign, IL, USA

**GRANTS AND CONTRACTS**

**Funded**

2021-2023 **Co-Principal Investigator:** A pilot study of research co-production between academic researchers and teacher organizations. Education International, 25,000 GBP (approx. $34,000).

2021-2022 **Principal Investigator:** Analyzing International Large-Scale Assessments in Bosnia and Herzegovina. US State Department, $38,009.

2020 **Principal Investigator:** Evaluation of Indiana’s Interim Assessments. Indiana Department of Education, $11,318.

2019 **Principal Investigator:** Evaluation of Dual Language Immersion Grant for Southwest Dubois County School Corporation: $5,000.

2019 **Co -Principal Investigator**: Overseas researcher grant, Norwegian Research Council, 97,000 NOK (approx. $11,440)

2019 **Principal Investigator:** Global evidence in education research, IU SOE Start Over Grant, *$4,000.*

2019 **Co-Principal Investigator:** Global evidence in education research, IU’s Institute for Advanced Study Collaborative Research Award, $10,000.

2018 **Co -Principal Investigator**: Overseas researcher grant, Norwegian Research Council, 148,000 NOK (approx. $17,450)

2016-2020 **Co-Principal Investigator:** Embracing heterogeneity in international surveys: Optimal test design and parameter estimation. Norwegian Research Council, 13,197,000 NOK (approx. $1,600,000).

2014-2018 **Methods Consultant:** Standardized versus a Tailored Implementation of Measurement-Based Care for Depression. National Institute for Health (PI Cara Lewis), $1,960,000.

2013 **Principal Investigator:** When stakes are high for teachers but low for students. Indiana University Proffitt Grant, $19,000 *+ student tuition and fee remission*.

2013 **Co- Lead Evaluator:** Indiana University, Virginia Tech University: South Sudan higher education leadership development. Juba, South Sudan. (PI Terry Mason). USAID, $4,000,000.

2011-2015 **Lead Evaluator:** Kabul University Educational Partnership. Kabul, Afghanistan. (PI Terry Mason, Mitzi Lewison). U.S. State Department, $3,200,000.

2010-2011 **Principal Investigator**: International Association for the Evaluation of Educational Achievement, Development of the Teaching and Learning International Survey 2013, $34,386 plus travel expenses.

2010 – 2011 **Co-Lead Evaluator:** CALM online Chemistry program: Indiana University, Bloomington, USA. (PI Jonathan Plucker, Romualdo deSouza), $3,000,000.

2010 **Lead Evaluator:** Dari and Pashtu language training program for newly commissioned officers. Muscatatuck National Guard Base, Indiana, $22,000.

2008-2009 **Co- Principal Investigator:** Evaluating quality education in Trinidad and Tobago. Port of Spain, UNESCO. $45,000.

**Under Review**

2023 **Principal Investigator**: Collaborative Partnership to Improve Data Driven Decision Making in South African Schools. Spencer Foundation, $399,000.

2024 **Co-Principal Investigator:** Synthetic matching for creating repeated measures data and guidelines for conducting synthetic matching with educational data. IES, $899,998

**Unfunded**

2021 **Co-Principal Investigator**: Collaborative Partnership to Improve Data Driven Decision Making in South African Schools. Spencer Foundation, *$396,000*.

2020 **Co-Principal Investigator (Finalist):** Evaluation of the Policy Linking Process. Gates Foundation Grant, *$475,695*.

2020 **Principal Investigator:** Data Fusion of National and International Databases: Expanding Usability & Research Possibilities. Indiana University Social Sciences Research Grant, *$35,665*

2014 **Co-Principal Investigator:** Embracing heterogeneity in national and international surveys: optimal design and estimation through unique items and item parameters. National Science Foundation, *$110,816*

2010 **Co-Principal Investigator**: Using National Assessment of Educational Progress data in education and the social sciences: Basic and advanced methods of analysis. U.S. Dept. of Education, *$291,124*

**PUBLICATIONS**

**Peer Reviewed Journal Articles**

Crawford, M., Rutkowski, D., & Rutkowski, L. (2023). Improving reading abilities, attitudes and practices: A home-based intervention of supplementary texts for young readers in Cambodia. International Journal of Educational Development.

Carrasco, D., **Rutkowski, D**., & Rutkowski, L. (2023). The advantages of regional large-scale assessments: Evidence from the ERCE learning survey. *International Journal of Educational Development*, *102*.

Valdivia Medinaceli, M., Rutkowski, L., Svetina Valdivia, D., & **Rutkowski, D.** (2023). Effects of DIF in MST routing in ILSAs. *Large-scale Assessments in Education*, *11*(1), 22.

Bolsinova, M., Tijmstra, J., Rutkowski, L., & **Rutkowski, D.** (2023). Generalizing beyond the test: Permutation-based profile analysis for explaining DIF using item features. *Journal of Educational and Behavioral Statistics*.

Rutkowski, L., **Rutkowski, D.,** Valdivia, D. S., Underhill, S., & Canbolat, Y. (2023). Measurement properties as a possible cause of digital device effects on a standardized assessment of learning. *Studies in Educational Evaluation*, *77*.

Svetina Valdivia, D., Rutkowski, L., **Rutkowski, D**., Canbolat, Y., & Underhill, S. (2023, May). Test engagement and rapid guessing: Evidence from a large-scale state assessment. In *Frontiers in Education* Vol. 8.

Canbolat, Y., **Rutkowski, D.**, & Rutkowski, L. (2023). Global pattern in hunger and educational opportunity: a multilevel analysis of child hunger and TIMSS mathematics achievement. *Large-scale Assessments in Education*, *11*(1), 13.

Thompson, G., Rutkowski, L., & **Rutkowski, D.** (2023). How to make more valid decisions about assessment data. *Phi Delta Kappan*, *104*(6), 34-39.

**Rutkowski, D.**, Rutkowski, L., Svetina Valdivia, D., Canbolat, Y., & Underhill, S. (2023). A census-level, multi-grade analysis of the association between testing time, breaks, and achievement. *Applied Measurement in Education*.

Rutkowski, L., **Rutkowski, D.,** & Svetina, D. (2022). Multistage testing in heterogeneous populations: Some design and implementation considerations. *Applied Psychological Measurement*. 46(6), 494-508.

**Rutkowski, D.**, Rutkowski, L., & Flores, C. (2022). The effect of device type on achievement: Evidence from a quasi-experimental design. *Educational Assessment.* 1-18.

**Rutkowski, D.**, & Rutkowski, L. (2021). Running the wrong race? The case of PISA for Development. *Comparative Education Review.* *65*(1), 147-165.

Aursand, L., & **Rutkowski, D.** (2021). Exemption or exclusion? A study of student

exclusion in PISA in Norway. Nordic Journal of Studies in Educational Policy. 7(1), 16-29.

Svetina, D., Rutkowski, L., & **Rutkowski, D.** (2020). Multiple-group invariance with categorical outcomes using updated guidelines: An illustration using M*plus* and the lavaan/semTools Packages. *Structural Equation Modeling: A Multidisciplinary Journal*. *27*(1), 111–130.

Engel, L., & **Rutkowski, D.** (2020). Pay to play: What does PISA participation cost in the US? *Discourse: Studies in the Cultural Politics of Education*. *41*(3), 484-496.

Tijmstra, J., Liaw, Y.-L., Bolsinova, M., Rutkowski, L., & **Rutkowski, D.** (2020). Sensitivity of the RMSD for detecting item-level misfit in low-performing countries. *Journal of Educational Measurement*. 57(4), 566-583.

Engel, L. C., **Rutkowski, D.,** & Thompson, G. (2019). Toward an international measure of global competence? A critical look at PISA 2018. *Globalisation, Societies and Education, 17*(2), 117-131*.*

Rutkowski, L., **Rutkowski, D.,** & Liaw, Y.-L. (2019). The existence and impact of floor effects in international assessments. *Assessment in Education: Principles, Policy & Practice*. 26 (6), 643-664.

Svetina, D., Liaw, Y.-L., Rutkowski, L., **Rutkowski, D.** (2019). Routing strategies and optimizing design for multistage testing in international large scale assessments. *Journal of Educational Measurement*, *56*(1), 192-213.

Sandoval, A., **Rutkowski, D.,** Matta, T., & Miranda, D. (2019). Back to the drawing board: Can we compare socioeconomic background scales? *Revista de Educación, 383*, 37-61.

**Rutkowski, D.,** Rutkowski, L., & Liaw, Y.-L. (2018). Measuring widening proficiency differences in international assessments: Are current approaches enough? *Educational Measurement: Issues and Practice, 37*(4), 40-48.

**Rutkowski, D.,** Rutkowski, L., & Wild, J. (2018). Poverty and educational achievement in the US: A less biased estimate using PISA 2012 data. *Journal of Children and Poverty, 24*(1), 47-67.

**Rutkowski, D.** (2018). Improving international assessment through evaluation. *Assessment in Education: Principles, Policy & Practice, 25*(1), 127-136.

Matta, T., Rutkowski, L., **Rutkowski, D.,** & Liaw, Y.-L. (2018). Lsasim: an R package for simulating large-scale assessment data. *Large Scale Assessments in Education, 6*(15).

Liaw, Y.-L., **Rutkowski, D.**, Wu, Y., & Rutkowski, L. (2018). Evaluating PISA scales across Chinese economies*. Asia Pacific Journal of Education, 38*(3), 432-51.

Oliveri, M. E., **Rutkowski, D.,** & Rutkowski, L. (2018). Bridging validity and evaluation to match international large-scale assessment claims and country aims. *ETS Research Report Series*. RR 18-27.

Rutkowski, L., & **Rutkowski, D.**  (2018). Improving the comparability and local usefulness of international assessments: A look back and a way forward. *Scandinavian Journal of Educational Research*, *62*(3). 354-367.

**Rutkowski, D.,** & Delandshere, G. (2016). Causal inferences with large scale assessment data: Using a validity framework. *Journal of Large Scale Assessment in Education, 6*(4).

Rutkowski, L.,& **Rutkowski, D.** (2016). A call for a more measured approach to interpreting and using PISA results. *Educational Researcher, 45,* 252-257.

Sparks, J., & **Rutkowski, D.** (2016). Exploring project sustainability: Using a multiperspectival, multidimensional approach to frame inquiry. *Development in Practice, 26*(13), 308-320.

Rutkowski, L., **Rutkowski, D.** &, Zhou, Y. (2016). Item calibration samples and the stability of achievement estimates and system rankings: Another look at the PISA model. *International Journal of Testing. 16*(1). 1-20.

**Rutkowski, D.,** & Wild, J. (2015). Stakes matter: Student motivation and the validity of student assessments for teacher evaluation. *Educational Assessment, 20*(3), 165-79.

**Rutkowski, D.** (2015).The OECD and the local: PISA-based test for schools in the USA. *Discourse: Studies in the Cultural Politics of Education, 36*(5), 683-699.

Lewis, C. C., Scott, K., Marti, C. N., Marriott, B. R., Kroenke, K., Putz, J. W., … **Rutkowski, D.** (2015). Implementing measurement-based care (iMBC) for depression in community mental health: a dynamic cluster randomized trial study protocol. *Implementation Science,* *10*(1), 127.

**Rutkowski, D.**, & Sparks, J. (2014). Complexly calling the shots: The emergence of three international networks in development evaluation. *Evaluation, 20*(4), 492-508.

**Rutkowski, D.,** Rutkowski, L., & Plucker, J. (2014). Should individual schools participate in PISA? *Phi Delta Kappan,* 96(4), 68-73.

Engel, L., & **Rutkowski, D.** (2014). Global influences and national definitions of quality education: Examples from Spain and Italy. *Policy Futures in Education, 12*(6).

**Rutkowski, D.,** Rutkowski, L., & Engel, L. (2014). Inclusive schooling: Fostering citizenship among immigrant students in Europe. *Intercultural Education, 25*(4), 269-284.

Engel, L., **Rutkowski, D.**, & Rutkowski, L. (2014). Global mobility and rising inequality: A cross-national study of immigration, poverty, and social cohesion. *Peabody Journal of Education, 89*(1), 123-140.

**Rutkowski, D.,** & Rutkowski, L. (2013). Measuring socioeconomic background in PISA: One size might not fit all. *Research in Comparative and International Education, 8*(3), 259-278.

Rutkowski, L., **Rutkowski, D.**, & Engel, L. (2013). Sharp contrasts at the boundaries: School violence and educational outcomes internationally. *Comparative Education Review, 57*(2), 232-259.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2012). International trends in excellence gaps: A growth modeling perspective. *High Ability Studies,* 23(2), 143-166.

Rutkowski, L**.**, **Rutkowski, D.**, & Plucker, J. (2012). Determinants of private school choice: Evidence of cream skimming internationally. *Educational Research and Evaluation, 18*(4), 375-391.

**Rutkowski, D.**,Rutkowski, L., & Sparks, J. (2011). ICT support for 21st Century teaching: An international analysis*.* *Journal of School Leadership, 21*(2), 190-215.

**Rutkowski, D.**, & Engel, L. (2010). Soft power and hard measures: Large-scale assessment, citizenship and the European Union. *European Educational Research Journal, 9*(3), 190-215.

Rutkowski, L., & **Rutkowski, D.** (2010). Getting it ‘better’: The importance of improving background questionnaires in international assessment. *Journal of Curriculum Studies, 42*(3), 411-430*.*

Engel, L., **Rutkowski, D.**, & Rutkowski, L. (2009). The harsher side of globalization: Violent conflict and academic achievement. *Globalisation, Societies and Education, 7*(4), 433-456*.*

Rutkowski, L., & **Rutkowski, D.** (2009). Trends in TIMSS responses over time: Evidence of global forces in education? *Educational Research and Evaluation, 15*(2), 137-152.

**Rutkowski, D.** (2008). Towards an understanding of educational indicators. *Policy Futures in Education, 6*(4), 470-481.

Engel, L., & **Rutkowski, D.** (2008). Globalization and the Asia Pacific: An exploration of efficiency and equality aims of education. *Critical Studies in Education, 49*(2), 143-156.

Rizvi, F., Britez, R., Pitton, V., & **Rutkowski, D.** (2007). Brain drain. In D. Fatih (Ed.), *The Europa world of learning* *2007* (pp. 23-33). London, UK: Routledge.

**Rutkowski, D.** (2007). Converging us softly: How intergovernmental organizations promote

educational policy. *Critical Studies in Education, 48*(2), 229-247.

**Books**

Sellar, S., Thompson, G., & **Rutkowski, D.** (2017). *The global education race: Taking the measure of PISA and international testing*. Canada: Brush Education.

Rutkowski, L., von Davier, M., & **Rutkowski, D.** (Eds.). (2014). A handbook of international large-scale assessment: Background, technical issues, and methods of data analysis. London: Chapman & Hall/CRC Press.

**Book Chapters**

Rutkowski, L., & **Rutkowski, D.** (2023). Measuring what we cannot see: Assessing extreme

populations in international large-scale assessments. In R. J. Tierney, F. Rizvi, & K. Ercikan (Eds.), *International Encyclopedia of Education (Fourth Edition)* (pp. 129–135). Elsevier.

Rutkowski, L., **Rutkowski, D.,** & Svetina Valdivia, D. (2022). Multistage Test Design Considerations in International Large-Scale Assessments of Educational Achievement. In *International Handbook of Comparative Large-Scale Studies in Education: Perspectives, Methods and Findings* (pp. 1-19). Cham: Springer International Publishing.

**Rutkowski, D.,** &Rutkowski, L. (2022). Designing Measurement for All Students in ILSAs. In T. Nilsen, A. Stancel-Piatak, J. Gustafson (Eds.) *Springer International Handbooks of Education. International Handbook of Comparative Large-Scale Studies in Education: Perspectives, Methods and Findings*. London, UK: Routledge. New York, NY: Springer International Publishing.

**Rutkowski, D.,** & Rutkowski, L. (2022). The promise and methodological limits of international large-scale assessments. In L. Misiaszek, B. Arnove, & C. Torres (Eds.), *Comparative Education: The Dialectic of the Global and the Local (5th Edition)*. Lanham, MD: Rowman & Littlefield.

Treviño, E., Sandoval-Hernández, A., Miranda, D., **Rutkowski, D.**, & Matta, T. (2021). Invariance of Socioeconomic Status Scales in International Studies. In J. Manzi, M. R. García, & S. Taut (Eds.), *Validity of Educational Assessments in Chile and Latin America* (pp. 235–257). Springer International Publishing.

Engel, L., & **Rutkowski, D.** (2021). Costs of Big Data: Challenges and possibilities of cost-benefit analysis of ILSAs. In C. Wyatt-Smith, B. Lingard, & E. Heck (Eds.), Digital Disruptions in Teaching and Testing. (124-135). London, UK: Routledge.

**Rutkowski, D.,** Thompson, G., & Rutkowski, L. (2020). Understanding the policy influence of international large-scale assessments in education. In H. Wagemaker (Ed.), *Reliability and Validity of International Large-Scale Assessment: Understanding IEA’s Comparative Studies of Student Achievement* (pp. 261–277). New York, NY: Springer International Publishing.

Li, P. & **Rutkowski, D.** (2020). Validity in the context of research. In. P. Zhao, K. Ross, P. Li, & B. Dennis, *Making Sense of Social Research Methodology. A Student and Practitioner Centered Approach.* New York, NY: Springer International Publishing.

Rutkowski, L., & **Rutkowski, D.** (2019). Methodological challenges to measuring heterogeneous populations internationally*.* In L. E. Suter, E. Smith, & B. Denman (Eds.), *The Sage handbook on comparative studies*. New York, NY: Sage.

Sellar, S., Lingard, B., **Rutkowski, D.,** & Takayama, K. (2019). Student preparation for large-scale assessments: A comparative analysis. In B. Maddox (Ed.), *International large-scale assessment in education: Insider research perspectives* . London, UK: Bloombury Publishing.

Thompson, G., **Rutkowski, D.,** & Sellar, S. (2019). Flipping large scale assessment: Bringing teacher expertise to the table. In D. Netolicky, J. Andrews, & C. Paterson (Eds.), *Flip the system Australia: What matters in education.* New York, NY: Routledge.

Rutkowski, L., & **Rutkowski, D.** (2017). The relation between students’ perception of instructional quality and bullying victimization. In T. Nilsen & J. E. Gustafsson (Eds.), *Teacher quality, instructional quality and student outcome* (pp. 103-120). Amsterdam:IEA.

Rutkowski, L., & **Rutkowski, D.** (2016). International surveys in education. In G. Ritzer (Ed.), *The Wiley-Blackwell encyclopedia of globalization* (2016 ed.). Hoboken, NJ: Blackwell.

**Rutkowski, D.**, Rutkowski, L., & von Davier, M. (2014). An introduction to international large-scale assessment. In L. Rutkowski, M. von Davier, & D. Rutkowski (Eds.), Handbook of international large-scale assessment: Background, technical issues, and methods of data analysis (pp. 3-9). London, UK: Chapman & Hall/CRC Press.

**Rutkowski, D.**, Rutkowski, L., & Langfeldt, G. (2012). Reading economics, thinking education: The relevance – and irrelevance – of economic theory for curriculum research. *Journal of Curriculum Studies, 44*(2), 165-192.

Neuschmidt, O., Barth, J.,Rutkowski, L., & **Rutkowski, D.** (2010). Effective schools in the Arab region: A multi-level approach using TIMSS 2003 data. In D. Sharpes (Ed.), *Handbook on international studies in education* (pp. 1-26). Charlotte, NC: Information Age Publishing.

Rizvi, F., & **Rutkowski, D.** (2008). OECD and Education. In G. McCulloch (Ed.), *The Routledge international encyclopedia of education*, (p. 114). New York, NY: Routledge.

Rizvi, F. Engel, L. **Rutkowski, D.**, & Sparks, J. (2007). Equality and the politics of globalization in education. In G. Verma, C. R. Bagley, & M. M. Jha (Eds.), *International perspectives on diversity and inclusive education* (pp. 3-20). London, UK: Routledge.

**Reports, and Other Published Work**

Crawford, M. F., **Rutkowski, D.,** & Rutkowski, L. (2023). Improving Reading Abilities, Attitudes

and Practices during COVID: Results from a Home-Based Intervention of Supplementary Texts for Young Readers in Cambodia. Policy Research Working Paper 10416. *World Bank*.

Kalervo, G., Thompson, G., Swist, T., Kitto, K., Rutkowski, L., **Rutkowski, D.,** ... & Knight, S.

(2022). Automated Essay Scoring in Australian Schools: Key Issues and Recommendations. Sydney Social Sciences and Humanities Advanced Research Centre (SSSHARC), University of Sydney.

Kalervo, G., Thompson, G., Swist, T., Kitto, K., Rutkowski, L., **Rutkowski, D.,** ... & Knight, S.

(2022). Policy Brief: Automated Essay Scoring in Australian Schools. Sydney Social Sciences and Humanities Advanced Research Centre (SSSHARC), University of Sydney.

Courture, J-C, & **Rutkowski, D.,** (2022). Pause PISA international standardized student testing. *The Conversation*. Retrieved from https://theconversation.com/pause-pisa-international-standardized-student-testing-its-been-two-years-of-pandemic-schooling-stress-179945

Sellar, S., Gorur, R., **Rutkowski, D.,** & Takayama, K. (2021). A new chapter for Discourse: Studies in the Cultural Politics of Education*. Discourse: Studies in the Cultural Politics of Education.* 42(1), 1-4.

**Rutkowski, D.,** & Hasteadt, D. (2021). Kids with a desk and a quiet place to study do better in school, data shows. *The Conversation*. Retrieved from https://theconversation.com/kids-with-a-desk-and-a-quiet-place-to-study-do-better-in-school-data-shows-159680

**Rutkowski, D.,** Rutkowski, L., & Andrews, C. (2020). Indiana interim assessment evaluation. Report submitted to the Indiana Department of Education.

**Rutkowski, D.**, & Andrews, C. (2020). The future of research: An IEA member perspective. Report submitted to the IEA.

**Rutkowski, D.,** & Rutkowski, L. (2020, March). PISA struggles to measure all participants. *International Education*. Retrieved from https://international-education.blog/en/pisa-struggles-to-measure-all-participants/

**Rutkowski, D.,** & Hasteadt, D. (2019, May 7). Class size: Is smaller really better? *TES News*. Retrieved from https://www.tes.com/news/class-size-smaller-really-better

Engel, L., & **Rutkowski, D.** (2019, March 28). Is PISA worth its cost? Some challenges facing cost-benefit analysis of ILSAs. *Laboratory of International Assessment Studies*. Retrieved from http://international-assessments.org/is-pisa-worth-its-cost-some-challenges-facing-cost-benefit-analysis-of-ilsas/

**Rutkowski, D.**, & Rutkowski, L. (2018, April). *How systemic is international bullying and what relationship does it have with mathematics achievement in 4th grade?* (IEA Compass: Briefs in Education No. 1). Amsterdam, The Netherlands: IEA.

Thompson, G., & **Rutkowski, D.** (2018). *Raising the bar? A modest proposal.* Paper written for and distributed by the Nova Scotia Teachers Union.

**Rutkowski, D.** (2016). The quiet war: Challenges of educating in Afghanistan. *Pedagogiskprofil, 1*, 18-20.

**Rutkowski, D., &** Rutkowski, L. (2016). *What teachers can’t and can learn from international assessments* (CEMO Working Paper). Retrieved from University of Oslo, Centre for Educational Measurement website: http://www.uv.uio.no/cemo/english/about/news-events-and-publications/publications/documents/working-paper-david-and-leslie-rutkowski-(2)-june-2016.pdf

Carney, C., **Rutkowski, D.,** & Rutkowski, L. (2015). *Indiana educational policy context: The case of the Rules for Educator Preparation and Accountability (REPA)*. Paper commissioned by Indiana University School of Education Policy Council and Long-Range Planning Committee.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2014, December 2). What matters is what’s measured—not who measures it [PDK Blog: Learning on the EDge]. Retrieved from http://pdkintl.org/blogs/learning-on-the-edge/matters-whats-measured-measures/

Plucker, J., Rutkowski, L., & **Rutkowski, D.** (2014, December 2). Should local districts participate in international assessments [*Education Week blog: Straight up].* Retrieved from http://blogs.edweek.org/edweek/rick\_hess\_straight\_up/2014/12/should\_local\_districts\_participate\_in\_international\_assessments.html

Rutkowski, L., & **Rutkowski, D.** (2014, March 20). So how overblown were No. 1 Shanghai’s PISA results? *The Washington Post*. Retrieved from http://www.washingtonpost.com/blogs/answer-sheet/wp/2014/03/20/so-how-overblown-were-no-1-shanghais-pisa-results/

**Rutkowski, D.** (2014, Feburary 23-25). Poor performing states need more targeted reforms. *McClatchy Newspapers.* Various cities.

**Rutkowski, D.**, & Rutkowski, L. (2013, October 1). Elevating the American education debate: Reducing the American education debate to absurdity. *Education Week.* Retrieved from https://www.edweek.org/ew/articles/2013/10/02/06rutkowski\_ep.h33.html

**Rutkowski, D.**, Rutkowski, L., &, Wild, J. (2013). *Indiana’s TIMSS 2011 performance: Outperforming much of the world in math and science, but issues remain for gender achievement and high performers* (Center for Evaluation and Education Policy Brief, Vol. 11, No. 1). Retrieved from Indiana University, Center for Evaluation and Educationa Policy website: http://ceep.indiana.edu/pdf/PB\_V11N1\_2013\_EPB.pdf

Sandoval, A., Aghakasiri, P., Wild, J., **Rutkowski, D.** (2013). *Does increasing hours of schooling lead to improvements in student learning?* (IEA’s Policy Brief Series, No. 1). Amsterdam, The Netherlands: IEA.

OECD. (2013). Conceptual framework for the second Teaching and Learning International Survey. Document commissioned by the Organisation for Economic Cooperation and Development. Paris: OECD.

Engel, L., & **Rutkowski, D.** (2012). *UNESCO without funding? Implications for education worldwide*. Center for Evaluation and Education Policy. Bloomington, IN.

School of Education Value-Added Task Force. (2011). *Using value added models to evaluate teacher preparation programs.* White paper prepared at the request of Indiana University Dean Gerardo Gonzalez.

Plucker, J., & **Rutkowski, D.** (2011, July 5). Running a race against ourselves: Inefficient, ineffective education policy reforms rule the day. *Education Week.*

**Rutkowski, D.**, & Prusinski, E. (2011). *The impact of international large scale assessment*. Center for Evaluation and Education Policy. Bloomington, IN.

Muller, P., **Rutkowski, D.**, & Isreal, K. (2011). An analysis of internal and external funding of Indiana University Campuses. Internal report for the Office of the Vice Provost for Research. Indiana University, Bloomington, IN.

Rutkowski, L., **Rutkowski, D.**, Plucker, J., & Prusinski, E. (2011). Differential impacts of dual and advanced placement credits on higher education outcomes. Report commissioned by the Office of the Vice President for University Regional Affairs, Planning, and Policy, Indiana University Bloomington.

**Rutkowski, D.**, & Spradlin, T. (2010). *Prairie state achievement examination validity study.* Chicago, IL: Illinois High School District Superintendents.

Noeth, R., **Rutkowski, D.**, & Schleich, B. (2010). *College admission tests as measures of high school accountability: A white paper for state policymakers.* Chicago, IL: Illinois High School District Superintendents.

Rutkowski, L., & **Rutkowski, D.** (2010). Private and public education: A cross-national exploration with TIMSS 2003. *Research Publications:* *National Center for the Study of Privatization in Education, 192*. Columbia University. Retrieved from http://ncspe.org/list-papers.php

Spradlin, T., Burroughs, N., **Rutkowski, D.**, & Lang, J. (2010). *College presistence and completion strategies: Opportunities for scaling up*. Center for Evaluation and Education Policy. Bloomington, IN.

Spradlin, T., **Rutkowski, D.,** Burroughs, N., & Lang, J. (2010). *Effective college access, persistence and completion programs, and strategies for underrepresented student populations: Opportunities for scaling up.* Indiana Commission for Higher Education. Indianapolis, IN.

**Rutkowski, D.**, & Gonzalez, E. (2009). *Report on the results from a TIMSS data analysis workshop sponsored by the Arab Bureau for Education*. Riyad Saudi Arabia: Arab Bureau for Education.

Garden, R., & **Rutkowski, D.** (2009). Evaluating quality education in Trinidad and Tobago. Port of Spain, Trinidad: Ministry of Education.

Rizvi, F., Engel, L., **Rutkowski, D.**, & Sparks, J. (2006). Globalization and recent shifts in educational policy in the Asia Pacific: An overview of some critical issues. UNESCO: Bangkok.

**Publications Under Review**

Bolsinova, M., Rutkowski, L., Tijmstra, J., & **Rutkowski, D.** (revisions). Generalizing beyond the test: Permutation-based profile analysis for explaining DIF using item features. *Journal of Educational and Behavior Statistics.*

Valdivia, M., **Rutkowski, L.**, Svetina, D., & Rutkowski, D. (under review). *Differential item functioning under a multistage test design.* Manuscript submitted to Journal of Experimental Psychology.

Rutkowski, L., & **Rutkowski, D.** (final revisions). *Analyzing Large Scale Assessment*. Guilford press.

Crawford, M. **Rutkowski, D.**, & Rutkowski,L. (under review). *Early reading intervention in Cambodia*. Report commissioned by the World Bank. Washington, DC: World Bank.

Andrews, C., **Rutkowski, D.,** & Rutkowski, L. (revise and resubmit). Understanding standardized assessment literacy in Indiana. Manuscript submitted to *Educational Assessment*.

**Manuscripts in Preparation**

**Rutkowski, D.** &, Thompson, G. (in preparation). Bad data vs no data: An argument for the latter.

Sellar, S., Thompson, G., & **Rutkowski, D.** (book second edition in progress). *The Global Education Race: Taking the Measure of PISA and International Testing*. Victoria: Brush Education.

**Rutkowski, D.,** Rutkowski, L., &. Bolsinova, M., (in preparation). Timing data in large-scale assessment.

Rutkowski, L., & **Rutkowski, D.** (in preparation). Introduction to international large-scale assessments. NCME ITEMS module.

Valdivia, M., Rutkowski, L., Svetina, D., & **Rutkowski, D.** (in preparation). Differential item functioning under a multistage test design*.*

**PRESENTATIONS**

**Rutkowski, D.** (2022). Policy writing with IEA data. IEA General Assembly. Split, Croatia.

**Rutkowski, D.** (2022). What International Large-Scale Assessments Can and Can’t Do. Norwegian

Educational Directorate (UDIR). Oslo, Norway.

**Rutkowski, D.** (2022). Keynote: Causal inferences with international large scale assessment data. INVALSI conference. Rome, Italy.

**Rutkowski, D.** (2022). Assessments and Artificial Intelligence. University of Sydney. Sydney Australia.

**Rutkowski, D.** (2022). *Assessment literacy for educational leaders.* Canadian leadership academy. Online.

**Rutkowski, D.** (2022). *Blueprints for national assessment.* World Bank. Yerevan, Armenia.

**Rutkowski, D.** (2021). *Books and literacy outcomes: Finding from an experimental study*. World Bank Cambodia.

Rutkowski, L**.**, Sibberns, H., & **Rutkowski, D.** (2021, November). *Survival models in TIMSS: A model for understanding quitting behavior*. 2021 IEA Research Conference, Dubai, United Arab Emirates.

**Rutkowski, D**., Rutkowski, L., & Plucker, J. (2021, November). *24 years of excellence (gaps)*. 2021 IEA Research Conference, Dubai, United Arab Emirates.

**Rutkowski, D.** (2021). *Educational assessment and new public management*. Canadian leadership academy. Online.

**Rutkowski, D.** (2021). *Leading Chance in the digitalization of assessment and school performance*. University of Toronto 2021 Summer Leadership Institute. Online.

**Rutkowski, D.** (2021). *Global competency and the OECD.* Alberta leadership conference. Online.

**Rutkowski, D.** (2021). *A survival mixture model for understanding quitting behavior*. Comparative and International Education Society conference. Online.

**Rutkowski, D.** (2021). *Writing for policy*. Italian: National Institute for the Evaluation of Education Systems conference. Online.

**Rutkowski, D.** (2021). *Challenges facing international assessment*. All European Academics conference, Online.

**Rutkowski, D.** (2020). *Constructing global competency with large scale assessment*. Canadian teacher federation group meeting. Online.

**Rutkowski, D.** (2020). *Running the wrong race*. Comparative and International Education Society. Online.

**Rutkowski, D.** (2020). *Writing for policy with IEA data*. IEA General Assembly. Online.

**Rutkowski, D.** (2020). *Creating assessment frameworks*. World Bank Armenia. Online.

**Rutkowski, D.,** Thompson, G., Rutkowski, L. (2019). Are there mode effects in NAPLAN 2018? Australian Association for Research in Education annual meeting. Brisbane, Australia.

Svetina, D., Rutkowski, L., Liaw, Y.-L., **Rutkowski, D.** (2019). *Module length and routing methods in a multistage test design: Design and implementation considerations*. 2019 IEA Research Conference, Copenhagen, Denmark.

Liaw, Y.-L., Rutkowski, L., & **Rutkowski, D.** (2019*). Effects of aberrant responding in multistage testing and the changes of country rankings*. 2019 IEA Research Conference, Copenhagen, Denmark.

Validivia, M., Rutkowski, L., Svetina, D., & **Rutkowski, D.** (2019). *Differential item functioning in multistage testing*. 2019 IEA Research Conference, Copenhagen, Denmark.

**Rutkowski, D.,** & Rutkowski, L. (2019). *No one likes a bully: How systematic is international bullying and what relationship does it have with mathematics achievement in 4th grade*? 2019 IEA Research Conference, Copenhagen, Denmark.

Rutkowski, L., Svetina, D., Liaw, Y.-L., & **Rutkowski, D.** (2019). *Parameter estimation stability and probabilistic routing in multistage testing*. 2019 IEA Research Conference, Copenhagen, Denmark.

**Rutkowski, D.** (2019). *Improving international achievement estimation with timing data*. Comparative and International Education Society Annual Meeting. San Francisco.

Liaw, Y.L., Bolsinova, M., **Rutkowski, D.,** Rutkowski, L. & Tijmstra, J. (2019) *RMSD: Limitations to DIF detection in low-performing populations*. 2019 National Council on Measurement in Education Meeting: Toronto, Canada.

Svetina, D., Liaw, Y.-L., Rutkowski, L., & **Rutkowski, D**. (2019). *Routing strategies and optimizing design for multistage testing in international large-scale assessments*. 2019 National Council on Measurement in Education Meeting: Toronto, Canada.

**Rutkowski, D.** (2018, September). *Relation between educational measurement and educational theory*. FREMO Conference, Oslo, Norway.

**Rutkowski, D.** (2018, April). *Assessing global competency with diverse populations*. ULead Conference, Banff, Canada.

**Rutkowski, D.** (2018, April). *International assessment and personal learning*. Twin Peaks Conference, Banff, Canada.

**Rutkowski, D.** (2018, April). *The international math wars.* Calgary public teachers. Calgary, Canada.

**Rutkowski, D.** (2018, March). *The impact of floor effects in PISA for low-performing countries.* CIES 2018. Mexico City, Mexico.

**Rutkowski, D.** (2018, February). *Primer on standardized assessment and why this is a contested space.* Keynote session: School Leadership: Supporting Sound Assessment in the era of Datafication,Red Deer, Alberta Canada.

**Rutkowski, D.** (2017, December). *The global education race.* Norwegian Teacher’s Union, Oslo, Norway.

**Rutkowski, D.** (2017 July). *A call for a more measured approach to reporting and interpreting PISA results.* University of Bath, UK.

**Rutkowski, D.** (2017, March). *Technical aspects of large scale assessment.* CIES, Atlanta, GA.

**Rutkowski, D.** (2017, February). *TIMSS and PISA: Different tests, different purposes. Same policies?* Seminar on Large Scale Assessment. Educational Research Institute. Ljubljana, Slovenia.

**Rutkowski, D.** (2016, November). *Problematizing PISA: Widening the debate about international large-scale assessments*. Canadian Teacher’s Association Annual Meeting, Ottawa, Canada.

**Rutkowski, D.** (2016, October). *IEA policy briefs*. IEA General Assembly, Oslo, Norway.

Rutkowski, L., & **Rutkowski, D.** (2016, October). *Embracing heterogeneity*. LEA Research Group Conference, Oslo, Norway.

**Rutkowski, D.** & Rutkowski, L. (2016, May). *What teachers can’t and can learn from ILSAs*. Nordic Union Teachers Conference, Lom, Norway.

**Rutkowski, D.** & Rutkowski, L. (2016, April). *Less biased estimates of the poverty achievement gap in the US: A propensity score matching approach*. AERA, Washington, D.C.

**Rutkowski, D.** (2016, March). *What's validity got to do with it: Making causal claims with international large scale assessments data*. CIES, Toronto, Canada.

**Rutkowski, D.** (2015, October). *Validity in educational research. The production of data in international assessment*. Laboratory of international assessment. East Anglia University, Norwich, UK.

Sparks, J., **Rutkowski, D.,** & Shamatov, D. (2015, September). *Exploring national policymakers understanding and use of international large scale assessment in Kazakhstan*. ECER Conference, Budapest, Hungry.

**Rutkowski, D.** (2015 May). *International large scale assessment use in policy*. Nazarbayev University, Graduate School of Education*.* Astana, Kazakhstan.

**Rutkowski, D.** (2015, April). *Stakes matter: Student motivation and the validity of student assessments for teacher evaluation*. National Council on Measurement in Education annual meeting. Chicago, IL.

**Rutkowski, D.,** & Rutkowski, L. (2015, March). *The OECD’s leaning tower: A call for a more measured approach to using and interpreting PISA results*. Comparative and International Education Society Conference. Washington D.C.

Rutkowski, L., & **Rutkowski, D.** (2014, June). *The OECD’s leaning tower of PISA: Approach with caution, use with care*. Invited expert presentation at the European Commission’s Joint Research Center, Ispra, Italy.

**Rutkowski, D.** (2014). *Policy use of international large scale assessment.* Center for Evaluation annual colloquium. Boulder, CO.

Sparks, J., & **Rutkowski, D.** (2014). *Sustainability in Afghan higher education*. Comparative and International Education Society Conference. Toronto.

**Rutkowski, D.** (2014). *Local to global governance: The Expansion of the OECD’s Work in Education.* Comparative and International Education Society Conference 2014. Toronto.

**Rutkowski, D.**, Rutkowski, L.,& Wild, J. (2013, June). *Predictors of school violence immigrant populations internationally.* Paper presented at IEA Research Conference. Singapore.

Engel, L., **Rutkowski, D.**, & Rutkowski, L. (2013, April). *Poverty, education, and social cohesion: An international perspective.* Paper presented at American Educational Research Association, San Francisco, CA.

**Rutkowski, D.**, & Engel, L. (2013). *UNESCO without funding. Implications for education worldwide*. Paper presented at Comparative and International Education Society Conference, New Orleans, LA.

Engel, L., & **Rutkowski, D.** (2013). *Use of international large-scale assessments in defining quality education: Cross-national perspectives from southern Europe*. Paper presented at Comparative and International Education Society Conference, New Orleans, LA.

**Rutkowski, D.**, & Sparks, J. (2012, October). *Complexly calling the shots: The emergence of three international networks in development evaluation*. Paper presented at American Evaluation Association Conference*,* Minneapolis, Minnesota.

Rutkowski, L., **Rutkowski, D.**, & Engel, L. (2012, April). *Finding local usefulness in international large-scale assessments*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.

Engel, L., **Rutkowski, D.**, & Rutkowski, L**.** (2012). *Unraveled national borders: Assessing social cohesion among students in Europe*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2012). *Trends in excellence gaps: A focus on future science achievement.* Paper presented at the annual American Association for the Advancement of Science conference, Vancouver, Canada.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2011, September). *The international excellence gap: A focus on Europe*. Paper presented at the annual European Conference on Educational Research, Berlin, Germany.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2011, September). *Trends in excellence gaps: A 12-year international perspective via the multilevel model for change.* Paper presented at the annual European Conference on Educational Research, Berlin, Germany.

**Rutkowski, D.** (2011, September). *International large scale assessment: What school districts could learn.* Presented to Indiana School Superintendents. Bloomington, In.

**Rutkowski, D.** (2011, March). *International large scale assessment and the State of Indiana.* Presented to Evansville School District. Evansville, IN.

Rutkowski, L., **Rutkowski, D.**, & Engel, L. (2011, April). S*harp contrasts at the boundaries: violence and educational outcomes internationally.* Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

Yazzi-Mintz, E., & **Rutkowski, D.** (2011, April). *Investigating the connection between student social engagement in school and student achievement*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

**Rutkowski, D.**, Rutkowski, L., & Plucker, J. (2011, April). *Trends in excellence gaps: A 12 year, international perspective*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

**Rutkowski, D.** (2010). *Effective college access, persistence and completion programs, and strategies for underrepresented student populations.* College Board Annual Conference. Washington, D.C., USA.

Rutkowski, L., & **Rutkowski, D.** (2010). *Getting it ‘better’: The importance of improving background questionnaires in international assessment.* Paper presented at the 2010 American Educational Research Association annual meeting. Denver, CO.

**Rutkowski, D.**, & Engel, L. (2010). *When soft power meets hard measures: Large-scale assessment, citizenship and the EU.* Paper presented at the 2010 Comparative and International Education Society Conference. Chicago.

Engel, L., **Rutkowski, D.**, & Rutkowski, L**.** (2010). *The harsher side of globalization: Violent conflict and academic achievement.* Paper presented at the 2010 annual American Educational Research Association annual meeting. Denver, CO.

Rutkowski, L., & **Rutkowski, D.** (2010). *Determinants of private school choice: evidence of cream skimming internationally.* Paper presented at the 2010 annual American Educational Research Association annual meeting. Denver, CO.

**Rutkowski, D.** (2010) *College admission tests as measures of high school accountability. Chicago School Superintendents.* Chicago, USA.

Engel, L., **Rutkowski, D.**, & Rutkowski, L. (2009). *The harsher side of globalization*. Paper presented at the 2009 European Educational Research Association Annual Meeting. Vienna, Austria.

**Rutkowski, D.**, & Engel, L. (2009). *ICCS, multilateralism and the European Union.* Paper presented at the 2009 European Educational Research Association Conference. Vienna, Austria.

Rutkowski, L., & **Rutkowski, D.** (2009). *Violence and achievement: A multilevel example with TIMSS 2007*. Paper presented at the 2009 IEA-ETS Research Institute Spring Academy. Hamburg, Germany.

Rutkowski, L., & **Rutkowski, D.** (2009). *Private and public education: A cross-national exploration with TIMSS 2003.* Paper presented at the 2009 annual American Educational Research Association annual meeting. San Diego, CA.

**Rutkowski, D.**, & Rutkowski, L., & Sparks, J.L. (2009*). ICT, education, and the knowledge economy: Goals, support, and practice.* Paper presented at the 2009 annual American Educational Research Association annual meeting. San Diego, CA.

Neuschmidt, O., Hencke, J., Rutkowski, L., & **Rutkowski, D.** (2009). *Effective Schools in Arab Educational Systems: An Analysis of TIMSS 2003*. Paper presented at the 2009 annual American Educational Research Association annual meeting. San Diego, CA.

**Rutkowski, D.**, & Rutkowski, L. (2008). *Private and public education using TIMSS data*. Paper presented at the 3rd IEA International Research Conference. Taipei, Taiwan.

Rutkowski, L., & **Rutkowski, D. (**2008). *An empirical look at globalization in education.* Paper presented at the 3rd IEA International Research Conference. Taipei, Taiwan.

Sparks, J.L., Rutkowski, L., & **Rutkowski, D.** (2008). *ICT, education and the knowledge economy: Goals, support and practice*. Paper presented at the 3rd IEA International Research Conference. Taipei, Taiwan.

Rutkowski, L., & **Rutkowski, D.** (2008). *Private and public education: A cross national exploration.* Paper presented at the 2008 IEA-ETS Research Institute Spring Academy. Hamburg, Germany.

Rutkowski, L., & **Rutkowski, D. (**2007). *Gender and cultural unity and diversity in PISA 2003 mathematics items.* Poster presented at the 2007 annual American Educational Research Association annual meeting. Chicago, IL.

**Rutkowski, D.** (2007). *Towards an understanding of education indicators*. Paper presented at 2007 International Association for Educational Assessment Conference. Baku, Azerbaijan.

**Rutkowski, D.** (2007). *Educational soft convergence*. Paper presented at the 2007 American Educational Research Association Conference. Chicago, USA.

Rizvi, F., & **Rutkowski. D.** (2006). *International organizations and educational evaluation*. Paper presented at University of Illinois QUERIES seminar. Urbana, USA.

Rizvi, F., & **Rutkowski, D.** (2006). *International organizations and the Asia Pacific*. Paper presented at the annual Australian Association for Research in Education Conference. Adelaide, Australia.

**Rutkowski, D. (**2006). *Globalization and education*. Paper presented at the International Education and Resource Network annual meeting. Enschede, Netherlands.

**COURSES TAUGHT**

2018-Present **Professor**, Indiana University, Bloomington, IN

EDUC-H605: Education Policy and Reform

EDUC-H637: Writing for Policy

EDUC-H200: Introduction to Education Policy

EDUC-Y650: Mixed Methods

EDUC-Y535: Program Evaluation

EDUC-Y501: Quantitative Analysis for Education Leaders

EDUC-Y435: Program Evaluation for Applied Education Professionals

2015-2018 **Professor of Educational Measurement**, University of Oslo, Oslo, Norway

Program Evaluation

Mixed Methods

Research Methods

International Education Policy

Introduction to Statistics

2010 - 2015 **Assistant Professor**, Indiana University, Bloomington, IN

EDUC-H623: Education Policy Research Seminar

EDUC-Y650: Mixed Methods

EDUC-Y535: Program Evaluation

EDUC-Y502: Intermediate Statistics

2010-2011 **Visiting Lecturer of Education Policy**, University of Vienna, Austria

International large scale assessment

**INVITED INSTRUCTED SEMINARS**

Mar 2022 **Assessment construction**. Yerevan, Armenia.

Jan 2022 **Multi-level modeling with Large Scale Assessment Data**. Bosnia-Herzegovina.

Oct 2021 **Analyzing Large Scale Assessment Data**. Bosnia-Herzegovina.

Mar 2020 **Assessment Literacy for Teachers.** Bloomington, IN

Mar 2020 **Assessment Literacy for Teachers.** Bloomington, IN

Feb 2020 Assessment Literacy for Teachers. Salem, IN

Feb 2020 **Assessment Literacy for Teachers.** Salem, IN

Jan 2020 **Assessment Literacy for Teachers.** Columbus, IN

Jan 2020 Developing Assessment Frameworks. Yerevan, Armenia

Dec 2019 **Assessment Literacy for Teachers.** Carmel, IN

Nov 2019 **Assessment Literacy for Teachers.** Mooresville, IN

Jun 2019 Writing Policy Briefs with ILSA Data. Copenhagen, Denmark

May 2019 Using ILSA for Educational Research. Central China University, Wuhan, China

Apr 2018 Writing Policy Briefs with ILSA Data. Santiago, Chile

Nov 2017 Writing Policy Briefs with ILSA Data. Dubai, UAE

Jul 2017 **Mixed Methods Research in Education,** Bath, UK

Mar 2017 Introduction to Classical Test Theory. Trondheim, Norway

Feb 2017 Introduction to Statistics for Testing Professionals, Oslo, Norway

Nov 2016 Writing Policy Briefs with IEA Data, AEA conference, Cyprus

June 2014 Seminar in Structural Equation Modeling for TIMSS 2011 Data, Charles University, Prague, Czech Republic

Sep 2013 Research Methods in Education, University of Juba, South Sudan

May 2013 **Focus Groups in Education**, Kabul University, Afghanistan

Jul 2012 Seminar on Writing Educational Policy Briefs, Hamburg, Germany

Aug 2011 Seminar in Structural Equation Modeling for PISA Data, St. Patrick’s College, Dublin, Ireland

Jun 2010 Summer Seminar in Large Scale Assessment, University of Vienna, Austria

Aug 2009 **Introduction to Item Response Theory, II**, Pretoria, South Africa

Jul 2009 **Introduction to Item Response Theory**, Pretoria, South Africa

Apr 2009 **Using the SITES 2006 Database and Using the TIMSS 2007 Database**, AERA Annual Meeting, San Diego, CA

Sep 2008 **Categorical Data Analysis in Large Scale Assessment**, Taipei, Taiwan

Jul 2008 **Data Base Seminar**, Ljubljana, Slovenia

May 2008 **Analysis for National Reports**, Manama, Bahrain

Mar 2008 **Using Large-Scale Assessment Data,** AERA Annual Meeting, New York, New York

Feb 2008 **PIRLS National Research Coordinator Seminar**, Madrid, Spain

**SELECT SERVICE**

**International**

2015- ***Editor***, IEA Compass Briefs in Education

2019- ***Co-Editor,*** Discourse: Studies in the Cultural Politics of Education

2017- ***Methods Consultant,*** World Bank

2021- ***Member,*** Sustainable Development Goal 4.1.1 Review Board

2016- ***Member****/****Reviewer,*** European Educational Research ConferenceDivision 9

2015- ***Member***, IEA Publication Expert Committee

2014- ***Member,*** IEA Research Conference Planning Committee

2014- ***Editorial Board Member,*** Australian Journal of Education

2012-2019 ***Editorial Board Member***, International Journal of Leadership and Change

2012- ***Editorial Board Member***, Educational Studies

2010 -2016 ***Associate Editor***, Journal of Curriculum Studies

**National/State**

2018- ***Co-Coordinator***, Assessment literacy Indiana program

2020- ***Member***, Smarter Balanced Performance and Practice Committee

2013-2017 ***Co-President and Founder,*** CIES SIG Large-Scale Cross-National Studies in Education

2018- ***Member,*** CIES SIG Large-Scale Cross-National Studies in Education award committee

2010- ***Reviewer***: CIES Annual meeting.

**University/School/Department**

2021- ***Member*,** IU SOE Policy Council

2021- ***Chair,*** Special committee to re-imagine policy program

2020- ***Co-Chair***,IU Education Policy Council

2018- ***Co-Coordinator****,* IU Education Policy Program

2018- ***Coordinator***, ELPS fellowship applications

2020- ***Chair*,** ELPS Student funding committee

2020- ***Member***, IU SOE Long range planning committee

2018-2021 ***Member,*** IU School of Education Grievance committee

2019-2020 ***Alternate***, IU SOE Policy Council

2018-2020 ***Chair*,** IU SOE Research and Development committee

2019-2020 ***Chair***, IU SOE Taskforce on international programs

2019-2019 ***Member,*** Dean’s committee on SOE short term plan

2018-2019 ***Member***, IU SOE Taskforce on the future of teacher education

2016-2017 ***Member***, CEMO Board Member, University of Oslo

2015-2017 ***Member***, CEMO Master’s program development committee

2015-2017 ***Member***, University of Oslo comparative and international program

**PROFESSIONAL AWARDS & ACADEMIC HONORS**

2017 AERA Division D: Measurement and research methodology significant contribution ($1000): Co-awarded with Leslie Rutkowski and Matthias von Davier.

2014 School Effectiveness and School Improvement SIG Most Highly Scored Session at AERA 2014 ($300): “Using the World as an Educational Laboratory”: Merging Educational Effectiveness Research and International Comparative Studies.

2013 Mensa award for excellence in research: *$500*

2013 Overseas Conference Grant, Indiana University Office of the Vice President of International Affairs: *$950*

2011 Overseas Conference Grant, Indiana University Office of the Vice President of International Affairs: *$750*

2003 University of Illinois at Urbana-Champaign Block Fellowship: *$25,000*

2001 – 2003 University of New Mexico Dean’s List Summa cum Laude Graduate

1999 Misawa Air Base Computer Systems Airman of the Year

**OTHER PROFESSIONAL EXPERIENCE**

2001 – 2003 Computer Support Specialist

University of New Mexico, Albuquerque, NM, USA

2000 – 2001 PBX Operator

TVI Community College, Albuquerque, NM, USA

1996 – 2000 System Network Support Technician

United States Air Force, Misawa Air Base, Japan