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EDUCATION

Ph.D. Psychological and Quantitative Foundations, The University of Iowa, 2010

M.S., Science Education, Auburn University, 2019 (post-PhD)

B.S. with highest honors, Applied Psychology, Georgia Institute of Technology, 2003

PROFESSIONAL EXPERIENCE

Associate Professor, Department of Educational Studies in Psychology, Research Methodology, and Counseling, University of Alabama, beginning August 2020.

Associate Professor, Department of Educational Foundations, Leadership, and Technology, Auburn University, 2016-2020. Awarded Full in Spring 2020.

Assistant Professor, Department of Educational Foundations, Leadership, and Technology, Auburn University, 2011-2016

Postdoctoral Fellow, AERA-ETS Fellowship Program in Measurement, Educational Testing Service, Center for Validity Research, 2010-2011

AWARDS AND HONORS

NAGC GCQ Paper of the Year Award for “Making the cut in gifted selection: Selection decisions and their impact on program diversity”, National Association for Gifted Children, 2019.

Outstanding Publication in Assessment and Accountability in Schools, American Educational Research Association, Research, Evaluation, & Assessment in Schools (Division H) for “Evaluating growth for ELL students: Implications for accountability policies”, 2014.

Outstanding Faculty Early Career Award, Auburn University, 2012.

Esther Katz Rosen Fellowship, American Psychological Foundation, 2009.

ISIR-Templeton Award for “Sex differences in variability on the Cognitive Abilities Test: Real or the result of test construction?”, International Society for Intelligence Research, 2008.

NAGC GCQ Paper of the Year Award for “Identifying academically gifted English-language learners using nonverbal tests: A comparison of the Raven, NNAT, and CogAT”, National Association for Gifted Children, 2008.

RESEARCH INTERESTS

Educational measurement, test fairness, and validity

Individual differences in cognitive and academic development

Program evaluation in science and engineering education

* Work conducted in collaboration with current or former student

PUBLICATIONS

As of May 2021, my h-index is 17 and my i10-index is 20. Since 2016, my work has been cited 709 times.

Book-length

Lohman, D.F., & **Lakin**, J.M. (2018). *Cognitive Abilities Test (Form 8)*. Itasca, IL: Riverside Insights.

Peer Reviewed

Lakin, J.M., Ewald, M.L., Hardy*, E., Cobine, P.A., Marino, J.G., Landers, A.L. & Davis, V.A. (accepted). Getting everyone to the fair: Who participates in and benefits from Science and Engineering Fairs. *Journal of Science Education and Technology*.
<https://doi.org/10.1007/s10956-021-09910-7>

Lakin, J.M. (accepted). Service-Driven Identification Practices: Why the services you offer must drive identification decisions. *Teaching for High Potential*.

Barakat*, M., & **Lakin**, J.M. (online first). The Cultural Competence of Educational Leaders Questionnaire: Developing an assessment tool for leadership development. *Journal of School Leadership*. <https://journals.sagepub.com/doi/full/10.1177/1052684620972059>

Elliott, D.C., & **Lakin**, J.M. (online first). Unparallel pathways: Exploring how divergent academic norms contribute to the transfer shock of STEM student. *Community College Journal of Research and Practice*. Online first.
<http://doi.org/10.1080/10668926.2020.1806145>

Lakin, J.M., Marghitu, D., Davis, V.A., & Davis, E.W. (2021). Introducing engineering as an altruistic STEM Career. *The Science Teacher*, 88(4), 54-60.

Ekong*, G., Chou, C., **Lakin**, J., Hardin, A., Fox, B., Hunt, C., & Kavookjian, J. (2020). Pharmacist-led motivational interviewing for diabetes medication adherence in a worksite wellness program. *Journal of the American Pharmacists Association*, 60(6), E224-E229.
<https://doi.org/10.1016/j.japh.2020.07.025>

Lakin, J.M., & Wai, J. (2020) Finding and Developing Spatially Talented Youth. *Phi Delta Kappan*, 102(4), 36-39. <https://doi.org/10.1177/0031721720978061>

Wai, J., & **Lakin**, J.M. (2020). Finding the missing Einsteins: Expanding the breadth of cognitive and noncognitive measures used in academic services. *Contemporary Educational Psychology*, 63. Online first.
<https://doi.org/10.1016/j.cedpsych.2020.101920>

Lakin, J.M., & Wai, J. (2020). Spatially gifted, academically inconvenienced: Do spatially talented students experience less academic engagement and more behavioral issues? *British Journal of Educational Psychology*, 90(4), 1015-1038.
<http://doi.org/10.1111/bjep.12343>

* Student collaborator

- Elliott, D.C., **Lakin**, J.M. (2020). Running the STEM gauntlet: The complicity of four-year universities in the transfer penalty. *Research in Higher Education*, 61, 540-565.
<https://doi.org/10.1007/s11162-019-09586-4>
- Lakin**, J.M., Wittig (Hill)*, A. Davis, E.W., & Davis, V.A. (2020). Am I an Engineer Yet? Perceptions of Engineering and Identity Among First Year Students. *European Journal of Engineering Education*, 45(2), 214-231.
- Lakin**, J. M., & Rambo-Hernandez, K. (2019). Fidelity of Implementation: Understanding Why and When Programs Work. *Gifted Child Today*, 42(4), 205–214.
<https://doi.org/10.1177/1076217519862327>
- Lakin**, J.M., Davis, V.A., & Davis, E.W. (2019). Finding fit: Alignments between career values and future career as predictors of engineering commitment for women and underrepresented minority students. *International Journal of Engineering Education*, 35 (1A), 168–181.
- Lakin**, J.M. (2018). Making the cut in gifted selection: Selection decisions and their impact on program diversity. *Gifted Child Quarterly*, 62(2), 210-219. doi: 10.1177/0016986217752099
- Harrison, J., & **Lakin**, J.M. (2018). Mainstream teachers’ implicit beliefs about English language learners: An Implicit Association Test of teacher beliefs. *Journal of Language, Identity & Education* 17(2), 85-102. doi: [10.1080/15348458.2017.1397520](https://doi.org/10.1080/15348458.2017.1397520)
- Harrison, J., & **Lakin**, J.M. (2018). Pre-service teachers’ implicit and explicit beliefs about English language learners: An implicit association test study. *Teaching and Teacher Education* 72, 54-63.
- Schnittka, C.G., **Lakin**, J.M., Savrda*, A., Moss*, J., Greene*, S. & Alenzi*, A. (2017). Science STUFF (Science, Society and Technology for Underrepresented Future Fabricators): Curriculum for future makers and designers. *European Journal of Curriculum Studies*, 4(1), 601-617. Retrieve from
<http://pages.ie.uminho.pt/ejcs/index.php/ejcs/article/view/155>
- Lakin**, J.M. (2016). Universal Screening and the Representation of Historically Underrepresented Minority Students in Gifted Education: Minding the Gaps in Card and Giuliano’s Research [Part of a special issue]. *Journal of Advanced Academics*, 27(2), 139-149
- Lakin**, J.M., & Chaudhuri*, S. (2016). Getting more out of educational workshop evaluations: Positively packing the rating scale. *Educational Research Quarterly*, 40(1), 51-67.
- Lakin**, J.M., & Elliott, D.C. (2016). STEMing the shock: Examining GPA “Transfer Shock” and its impact on STEM major and enrollment persistence. *Journal of the First-Year Experience & Students in Transition*, 28(2), 9-32.
- Lakin**, J.M., Han*, Y., & Davis, E. (2016). First-year students’ attitudes towards the grand challenges and nanotechnology. *Journal of STEM Education*, 17(3), 70-76.
- Lakin**, J.M., & Shannon, D.M. (2015). The role of treatment acceptability, effectiveness, and understanding in treatment fidelity: Predicting implementation variation in a middle school science program. *Studies in Educational Evaluation*, 47, 28-37.

* Student collaborator

- Garrison-Fletcher, L., **Lakin**, J.M., & Young, J.W. (2015). Meeting the educational needs of late-arriving English language learners: A new assessment design. *NYS TESOL Journal*, 2(1), 52-59.
- Lakin**, J., & Wallace, C.S. (2015). Assessing teachers' use of inquiry methods in the middle school science classroom. *Journal of Science Teacher Education*, 26(2), 139-162. doi: 10.1007/s10972-014-9412-1
- Lakin**, J.M. (2014). Test directions as a critical component of test design: Best practices and the impact of examinee characteristics. *Educational Assessment*, 19(1), 17-34.
- Lakin**, J.M., & Gambrell, J.L. (2014). Sex differences in fluid reasoning: manifest and latent estimates from the Cognitive Abilities Test. *Journal of Intelligence*, 2, 36-55. Available from <http://www.mdpi.com/2079-3200/2/2/36>
- Evans, A.M., Carney, J.S., **Lakin**, J.M., Stafford*, E. (2013). Assessing peer problematic behavior and related training experiences. In G. R. Walz, J. C. Bleuer, & R. K. Yep (Eds.), *Ideas and research you can use: VISTAS 2013* (pp. 1-11).
- Lakin**, J.M. (2013). Sex differences in reasoning abilities: Surprising evidence that male-female ratios in the tails of the quantitative reasoning distribution have increased. *Intelligence*, 41, 263-274.
- Lakin**, J.M., & Young, J.W. (2013). Evaluating growth for ELL students: Implications for accountability policies. *Educational Measurement: Issues and Practice*, 32(3), 11-26.
- Lakin**, J.M. (2012). Assessing the cognitive abilities of culturally and linguistically diverse students: Predictive validity of verbal, quantitative, and nonverbal batteries. *Psychology in the Schools*, 49(8), 756-768.
- Lakin**, J.M. (2012). Multidimensional ability tests and culturally and linguistically diverse students: Evidence of measurement invariance. *Learning and Individual Differences*, 22(3), 397-403.
- Lakin**, J.M., Elliott, D.C., & Liu, O.L. (2012). Investigating ESL students' performance on outcomes assessments in higher education. *Educational and Psychological Measurement*, 72(5), 734-753. doi: 10.1177/0013164412442376
- Lakin**, J.M., & Gambrell, J.L. (2012). Distinguishing verbal, quantitative, and nonverbal facets of fluid intelligence in young students. *Intelligence*, 40(6), 560-570.
- Lakin**, J.M., & Lai, E.R. (2012). Multi-group generalizability analysis of verbal, quantitative, and nonverbal ability tests for culturally and linguistically diverse students. *Educational and Psychological Measurement*, 72(1), 139-158.
- Lakin**, J.M., & Lohman, D.F. (2011). The predictive accuracy of verbal, quantitative, and nonverbal reasoning tests: Consequences for talent identification and program diversity. *Journal for the Education of the Gifted*, 34(4), 595-623.
- Lohman, D.F., & **Lakin**, J.M. (2009). Consistencies in sex differences on the Cognitive Abilities Test across countries, grades, test forms, and cohorts. *British Journal of Educational Psychology*, 79, 389-407.

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- Lohman, D.F., Gambrell, J., & **Lakin**, J.M. (2008). The commonality of extreme discrepancies in the ability profiles of academically gifted students. *Psychology Science Quarterly* (now *Psychological Test and Assessment Modeling*), *50*, 269-282.
- Lohman, D. F., Korb, K. A., & **Lakin**, J.M. (2008). Identifying academically gifted English-language learners using nonverbal tests: A comparison of the Raven, NNAT, and CogAT. *Gifted Child Quarterly*, *52*, 275-296.

Invited Chapters and Articles

- Lakin**, J.M. (2020). Chapter 5. Identification issues at a micro-level: Best practices regarding instrumentation and selection criteria. In Stambaugh, T., & Olszewski-Kubilius, P., in *Unlocking Potential: Identifying and Serving Gifted Students from Low Income Backgrounds* (pp. 79-108). Prufrock Press.
- Lakin**, J.M., & Kell, H. (2020). Intelligence and reasoning. In R.J. Sternberg (Ed.), *Cambridge Handbook of Intelligence* (2nd ed.) (pp. 528-552). Cambridge University Press.
- Ackerman, P.L., & **Lakin**, J.M. (2018). Expertise and individual differences. In S.I. Pfeiffer (Ed.), *Handbook of Giftedness in Children: Psycho-educational Theory, Research, and Best Practices* (2nd ed.) (pp. 65-80). Springer International Publishing.
- Williams*, P.S., **Lakin**, J.M., & Kensler, L.A.W (2014). Teachers' perception of teacher leadership: A new tool for measuring teacher leadership. In N. Bond (Ed.), *The Power of Teacher Leaders: Their Roles, Influence, and Impact* (pp. 210-222). Routledge.
- Lohman, D. F., & **Lakin**, J.M. (2011). Reasoning, problem solving, and intelligence. In R.J. Sternberg & S.B. Kaufman (Eds.), *Cambridge Handbook of Intelligence* (pp. 419-441). Cambridge University Press.
- Lohman, D. F., & **Lakin**, J.M. (2007). Nonverbal test scores as one component of an identification system: Integrating ability, achievement, and teacher ratings. In J. VanTassel-Baska (Ed.), *Alternative Assessments for Identifying Gifted and Talented Students* (pp. 41-66). Prufrock Press.

Research Reports

- Lakin**, J.M. (2020). *Culturally De-Centered Test Design for Pictorial Reasoning Assessments*. <https://edarxiv.org/pn7rj/>
- Powers, D.E., **Lakin**, J.M., Zaromb, F. (2012). *Exposure, disclosure, and reuse of test items: Some issues and recommendations* (Confidential research report). Princeton, NJ: ETS.
- Young, J.W., **Lakin**, J.M., Courtney, R., & Martiniello, M. (2012). *Advancing the quality and equity of education for Latino students: A white paper* (RR-12-01). Princeton, NJ: ETS.
- Lakin**, J.M., & Bridgeman, B. (2011). *Predictive validity of the EXADEP at the University of Puerto Rico* (Research memorandum). Princeton, NJ: ETS.

Manuscripts Under Review

- Hardy*, E.E., Marino, J.G., Ewald, M.L., **Lakin**, J.M., Landers, A.L., Cobine, P.A., & Davis, V.A. (R&R). *Science and Engineering Fairs: Building a Culture of STEM Inquiry*.

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Lakin, J.M., Mastrogiovanni, M.E., Davis, E.W., Marghitu, D., & Davis, V.A. (R&R). *“It makes me wanna go out and help people”*: Impact of a Grand Challenges of Engineering camp on engineering perceptions of African American youth.

Goertzen*, H., Harrison, J., **Lakin, J.M., & Kensler, L.** (under review). Teacher Quality for English Learners: Teachers' Self-Report of Qualifications, Characteristics, and Practices. *Journal of Teacher Education.*

PRESENTATIONS

Conferences organized

March 2020, full day workshop for K-12 educators: *Embedding Engineering in K-12 Education*

Paper presentations, national/international

Lakin, J.M., Davis, E.W., Davis, V.A., & Smith, C. (2021, July). *Water purification and ocean salinity: The colligative properties and engineering Naval Solutions (Resource Exchange)*. Presented at the American Society for Engineering Education, virtual.

Shi*, Q. & **Lakin, J.M.** (2021, June). *A CDM approach to explore the validity of Number Puzzles of CogAT7*. National Council on Measurement in Education, virtual

Mastrogiovanni*, M.E., **Lakin, J.M., Davis, E.W., Marghitu, D. & Davis, V.A.** (2021, April). *My family is like, 'you should be an engineer'": Engineer identity formation for Black youth*, Presented to the annual convention of the American Educational Research Association, virtual.

Stambaugh, T., Olszewski-Kubilius, P., Jansorn, N., **Lakin, J.M., & Dixon, D.D.** (2020, November). *Identifying and serving students from low-income households*. National Association for Gifted Children annual conference, virtual.

Lakin, J.M., & Wai, J. (2020, April). *Spatially gifted, academically inconvenienced: Associations of spatial talents with lower academic engagement and more behavioral issues*. Presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Ihrig, L.M., Mahatmya, D., Assouline, S., & **Lakin, J.M.** (2019, November). *Creating high quality, impactful out-of-school stem learning environments in rural schools*. Presented to the annual convention of the National Association for Gifted Children, Albuquerque, NM.

Lakin, J.M. (2019, November). *Local norms: Identifying the needs of the students you have*. Presented to the annual convention of the National Association for Gifted Children, Albuquerque, NM.

Lakin, J.M., & Ryser, G. (2019, November). *Combining multiple measures to enhance the identification process of gifted students*. Presented to the annual convention of the National Association for Gifted Children, Albuquerque, NM.

Lakin, J.M., & Wai, J. (2019, November). *Spatially talented students: Academic struggles for underserved talent*. Presented to the annual convention of the National Association for Gifted Children, Albuquerque, NM.

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- Lakin, J.M., & Wai, J.** (2019, July). *Finding the missing Einsteins: Searching for exceptional ability in talent searches, K-12, and higher education.* International Society for Intelligence Research, Minneapolis, MN.
- Lakin, J.M., Ewald, M.L., & Davis, V.A.** (2019, June). *Getting everyone to the fair: Who participates in and benefits from Science and Engineering Fairs (Evaluation).* Presented at the American Society for Engineering Education, Tampa, FL.
- Lakin, J.M.** (2019, April). *Extending the cultural fairness review process in the ability testing context.* Presented at the annual meeting of the American Educational Research Association, Toronto, ON.
- Lakin, J.M., Ewald, M.L., Eick, C., & Blanco, N.** (2019, April). *Giving engineering a trial run: teacher perceptions of learning in a summer engineering academy.* Presented at the annual meeting of the American Educational Research Association, Toronto, ON.
- Lakin, J.M., Wai, J.** (2019, April). *Spatial reasoning: The third pillar of human intelligence and key to proportional G/T identification?* Presented at the annual meeting of the American Educational Research Association, Toronto, ON.
- Lakin, J.M., & Wai, J.** (2018, November). *Nontraditional measures of talent to address underrepresentation: New evidence from old data.* Presented to the annual convention of the National Association for Gifted Children, Minneapolis, MN.
- Lakin, J.M.** (2018, November). *Service-driven identification: Does your identification process serve your program goals?* Presented to the annual convention of the National Association for Gifted Children, Minneapolis, MN.
- Lakin, J.M.** (2018, November). *I hope I'm doing this right: Common questions and concerns about ability testing* Presented to the annual convention of the National Association for Gifted Children, Minneapolis, MN.
- Wai, J., & Lakin, J.M.** (2018, November). *Which cognitive and noncognitive measures can help identify disadvantaged talent?* Presented to the annual meeting of the Association for Public Policy Analysis and Management, Washington, DC.
- Askia*, R., Hill*, A., & Lakin, J.M.** (2018, April). *Connecting the dots between program faculty and teachers: Building shared understandings of inquiry-based learning.* Presented to American Educational Research Association Annual Meeting, New York, NY.
- Lakin, J.M., Wai, J., Coxon, S.** (2017, November). *Spatial talents and STEM programs: Identification and curricular innovations.* Presented to the National Association for Gifted Children, Charlotte, NC.
- Lakin, J.M.** (2017, November). *Getting more from your CogAT scores: Instructional differentiation using ability and achievement test data.* Presented to the National Association for Gifted Children, Charlotte, NC.
- Lakin, J.M.** (2016, November). *Universal screening in gifted and talented identification: Implementation and overcoming challenges.* Presented at the National Association for Gifted Children annual conference, Orlando, FL.

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- Davis, V.A., Davis, E., **Lakin**, J.M. (2016, June). *Nanotechnology solutions to Engineering Grand Challenges*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Davis, V.A., Davis, E., **Lakin**, J.M. (2016, June). *NUE: The freshman experience and nanotechnology solutions to Engineering Grand Challenges*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Lakin**, J.M., Davis, E.W., Davis, V.A. (2016, June). *Promoting Engineering Persistence Among Women Through Alignment of Occupational Values and Perceptions of the Field*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Lakin**, J.M., Ewald, M. K., Davis, V.A., Cobine, P.A., Landers, A.L. (2016, June). *Challenges and benefits of introducing a science and engineering fair in high-needs schools (Work in Progress)*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Elliott, D.C., **Lakin**, J.M. (2016, April). *Pathways to success? Examining transfer shock and the community college transfer experience of STEM students*. Presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Lakin**, J.M., & Chaudhuri*, S. (2016, April). *Getting More out of educational workshop evaluations: Positively packing the rating scale*. Presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Lakin**, J.M., Davis, E., Davis, V.A. (2016, April). *Can we promote engineering persistence among women through alignment of occupational values and perceptions of the field?* Presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Lakin**, J.M. (2015, November). *Best practices in identifying gifted and talented English Learners*. Paper presented at annual meeting of National Association for Gifted Children, Phoenix, AZ.
- Elliott, D.C., & **Lakin**, J.M. (November, 2014). *STEMing the shock: Examining GPA “transfer shock” and its impact on STEM major and enrollment persistence*. Paper presented at the annual meeting of the Association for the Study of Higher Education, Washington, D.C.
- Barakat*, M., & **Lakin**, J.M. (2013). *Developing a blueprint for the Cultural Competence of Educational Leaders Questionnaire*. Paper presented at the annual meeting of the University Council for Educational Administration, Indianapolis, IN.
- Lakin**, J.M. (2013, April). *Meeting the assessment needs of English learner students: The validity of accountability-focused growth models*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco, CA.
- Han, Y. *, Kerke, F., Robinson, L.E., & **Lakin**, J.M. (2013, January). *Body image perception and dissatisfaction for preschool children in Turkey*. Paper presented at the annual meeting of the Southeastern Evaluation Association, Tallahassee, FL.
- King, T., & **Lakin**, J.M. (2012, April). *Accessibility considerations for students with disabilities and ELLs for innovative computer-delivered mathematics assessments*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver,

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BC, Canada.

- Lakin, J.M.** (2012, April). *Evaluating growth for ELL students: Implications for accountability policies*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, BC, Canada.
- Lakin, J.M., Elliott, D.C., & Liu, O.L.** (2012, April). *Evaluating measurement invariance of a higher education outcomes assessment for ESL students*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, Canada.
- Lakin, J.M.** (2011, April). *Innovations in test directions for novel item formats and culturally and linguistically diverse students*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Lakin, J.M., & Lai, E.R.** (2010, April). *Exploring reliability and decomposing error variance of verbal, quantitative, and nonverbal ability for English-language learner students*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Keith, T.Z., Reynolds, M.R., & **Lakin, J.M.** (2009, December). *Sex differences in latent means and variances of cognitive abilities: Evidence from the CogAT*. Paper presented at the annual meeting of the International Society for Intelligence Research, Madrid, Spain.
- Lakin, J.M., & Lohman, D.F.** (2008, December). *Sex differences in variability on the Cognitive Abilities Test: Real or the result of test construction?* Paper presented at the annual meeting of the International Society for Intelligence Research, Decatur, GA.
- Lakin, J.M., & Lohman, D.F.** (2008, March). *Accuracy and access: Competing goals in the selection of students for gifted and enrichment services*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Lohman, D.F., & **Lakin, J.M.** (2007, July). *Consistencies in sex differences on the Cognitive Abilities Test across countries (US and UK), grades (3 – 11), and cohorts (1984, 1992, and 2000)*. Paper presented at the biannual meeting of the International Society for the Study of Individual Differences, Geissen, Germany.

Paper presentations, state and regional

- Lakin, J.M., & Simonds, M.** (2020, December). *How to Identify Students in a COVID world*. Texas Association for the Gifted and Talented giftED20 Conference, virtual.
- Lakin, J.M.,** (2020, October). *Technical skills for talent scouts: Making good decisions with data*. Alabama Association for Gifted Children annual conference, virtual.
- Lakin, J.M.** (2020, July). *Local Norms for Equitable Identification and Serving the Students You Have*. Texas Gifted+Equity Conference, virtual.
- Davis, E.W., **Lakin, J.M., & Davis, V.A.** (2020, March). *Development of naval challenges motivated high school curriculum units*. Presented to the annual convention of the Southeastern section of the American Society for Engineering Education, Auburn, AL.
- Davis, V.A., **Lakin, J.M., Marghitu, D. & Davis, E.W.** (2020, March) *Framing engineering as community activism for values-driven engineering*. Presented to the annual convention of

- the Southeastern section of the American Society for Engineering Education, Auburn, AL.
- Davis, V.A., **Lakin**, J.M., Ewald, M.L., Hardy, E., Marino, J., Wada, H., Landers, A., & Cobine, P. (2020, March). *Science and engineering fairs as a pathway for diversifying engineering programs*. Presented to the annual convention of the Southeastern section of the American Society for Engineering Education, Auburn, AL.
- Lakin**, J.M. (2019, October). *Culturally responsive education*. Presented to the annual convention of the Tennessee Association for Gifted/Programs for Talented Youth conference, Nashville, TN.
- Lakin**, J.M. (2019, October). *Service-driven identification practices*. Presented to the annual convention of the Tennessee Association for Gifted/Programs for Talented Youth conference, Nashville, TN.
- Lakin**, J.M. (2019, October). Local norms: Broadening our approach to recognizing diverse talent. Presented to the annual convention of the Colorado Association for Gifted and Talented, Loveland, CO.
- Lakin**, J.M. (2019, June). *Using ability tests to identify gifted and talented English Learners*. Texas Gifted+Equity Conference, San Antonio, TX.
- Lakin**, J.M., & Pagano, L.M. (2019, March). *Service-Identification Alignment*. Presented to the annual convention of the North Carolina Association for the Gifted and Talented, Winston-Salem, NC.
- Lakin**, J.M. (2019, January). *Differentiating instruction—Using ability test scores for more than identification*. Presented to the annual convention of the Illinois Association of Gifted Children, Naperville, IL.
- Lakin**, J.M., & Schnittka, C.G. (2018, October). *Finding space to pursue STEM: Curriculum enrichment for spatially talented students*. Presented to the Alabama Association for Gifted Children, Birmingham, AL.
- Lakin**, J.M. (2018, October). *Differentiating instruction—Using ability test scores for more than identification*. Presented to the Washington Association of Educators of the Talented and Gifted, Bellevue, WA.
- Lakin**, J.M. (2018, October). *Universal screening in gifted and talented identification: Maximizing the equity opportunity*. Presented to the Washington Association of Educators of the Talented and Gifted, Bellevue, WA.
- Lakin**, J.M. (2017, October). *Service-driven identification practices: Does your identification process serve your G/T program goals?* Presented at the Alabama Association of Gifted Teachers, Birmingham, AL.
- Lakin**, J.M., & Hill, A. (2017, March). *Work in Progress: Am I an engineer yet? Perceptions of identity among first year students*. Presented to the American Society for Engineering Education Zone II, San Juan, PR.

Lakin, J.M., & Askia, R. (2017, March). *It won't sell itself: Promoting K-12 teacher and school buy-in for university-led programs*. Presented to the American Society for Engineering Education Zone II, San Juan, PR.

Dag*, A.Z. **Lakin, J.M., Witte, M.M., Yucel, A.** (2014, February). *Noncognitive Themes in Recommendation Letters and the Personal Potential Index*. Paper presented at the annual meeting of the Eastern Educational Research Association, Jacksonville, FL.

Feller*, M., Koc*, N., **Lakin, J.M., Witte, M.M., Andrzejewski, C.** (2014, February). *Validity and Evaluator Ratings on the Personal Potential Index (PPI): A Qualitative Study*. Paper presented at the annual meeting of the Eastern Educational Research Association, Jacksonville, FL.

Callender, A.A., **Lakin, J.M., Gillis, J.** (2013, April). *Validating reading measures for children with an Autism Spectrum Disorder*. Paper presented at Auburn University Research Week, Auburn, AL.

Invited Presentations

Lakin, J.M. (2021, February). *What's wrong with not testing? Social costs of not identifying student talent, the case of spatial talent*. Education Reform Lecture Series at the University of Arkansas, virtual.

Lakin, J.M., & Driver, V. (2020, November). *An introduction to the Cognitive Abilities Test*. Presented to the Australian Council for Education Research, virtual.

Lakin, J.M., Driver, V. & Blanco, A. (2020, November). *Maximizing equitable identification while minimizing time and resources*. National Association for Gifted Children annual conference, virtual.

Lakin, J.M., Dunbar, S., & Welch, C. (2020, November). *Excellence in identification using multiple measures for equity*. National Association for Gifted Children annual conference, virtual.

Lakin, J.M., Wang, C.-H. (2020, March). *Survey and assessment design for educational evaluation*. Presented to the annual convention of the Southeastern section of the American Society for Engineering Education, Auburn, AL.

Lakin, J.M. (2018, March). *Differentiating instruction—Using ability test scores for more than one-time identification*. Presented to the Georgia Association for Gifted Children, Athens, GA.

Lakin, J.M. (2017, September). *Introduction to CogAT 7 and 8*. Presented to the British Columbia Association for School Psychologists, Vancouver, BC.

Lakin, J.M. (2017, January). *Introduction to CogAT 7 and 8*. Presented to the Georgia Gifted Coordinators Conference, St. Simons Island, GA.

Lakin, J.M. (2016, September). *Differentiating instruction—Using ability test scores for more than one-time identification*. Annual meeting of the Alabama Association for Gifted Children, Birmingham, AL.

* Student collaborator

- Driver, V., & Lakin, J.M. (2015, November). *Getting Valid Results from your CogAT Administration*. Annual meeting of National Association for Gifted Children, Phoenix, AZ.
- Lakin, J.M. Ross, M., & Han, Y. (2015, February). *Getting Started with Large Scale Data Sets*. Annual meeting of Eastern Educational Research Association, Sarasota, FL.
- Lakin, J.M. (2014, November). Discussant for *Math Matters: The Role of Math in College Success*. Annual meeting of the Association for the Study of Higher Education, Washington, D.C.
- Lakin, J.M. (2014, October). *The secret life of ability tests: Using ability test results to promote learning for all students*. Presented at the meeting of the Virginia Association of Test Directors, Richmond, VA.
- Lakin, J.M. (2014, April). *Diversity and testing issues*. Presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, PA.
- Lakin, J.M. (2011, October). *Accountability-focused growth models and English-language learners*. Paper presented at the AERA Grantees conference, Washington, D.C.
- Lakin, J.M. (2011, June). *Growth model implications: English-language learners*. Paper presented to the Technical Issues in Large-Scale Assessment (TILSA) group as part of the Council of Chief State School Officers (CCSSO) summer meeting, Orlando, FL.
- Lakin, J.M. (2010, March). *Introduction to HLM 6.0 statistical package*. Presented on behalf of the Statistical Outreach Center, The University of Iowa.
- Lakin, J.M. (2009, November). *Intellectual assessment of English-language learners*. New Voices in Creativity and Intelligence, University of Kansas.

Symposia

- Organizer, Presenter.** *Boundary-pushing innovations in the assessment of English language learners, co-sponsored with AERA-IAEA*. Presented to National Council on Measurement in Education Annual Meeting, 2018, New York, NY.
- Organizer, Chair.** *Beyond linguistic simplification: Innovative research on test accessibility for English Learners*. Paper symposia presented at the annual meeting of the National Council on Measurement in Education, 2013, San Francisco, CA.
- Organizer, Presenter.** *Refining research questions and choosing appropriate statistical methods: An interactive symposium*. Symposium presented at the annual meeting of the Eastern Educational Research Association, 2012, Hilton Head, SC.

Poster and Roundtable Presentations

- Lakin, J.M., Marghitu, D., Davis, E.W., & Davis, V.A. (2021, July). *Framing engineering as community activism for values-driven engineering (RFE Design and Development - Year 2)*. Presented at the American Society for Engineering Education, virtual.
- Lakin, J.M., Mastrogiovanni*, M.E., Norris, L.F., Davis, E.W., Marghitu, D. & Davis, V.A. (2021, April) *"Makes me wanna go out and help people": Altruistic engineering and*

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- African American youth engagement*. Roundtable presented to the annual convention of the American Educational Research Association, virtual.
- Lakin**, J.M., Davis, E.W., Karimi, Z., Norris, L.F., Davis, V.A. (2021, April). *Introducing engineering as an altruistic STEM career to broaden participation*. Presented at the National Association for Research on Science Teaching, virtual.
- Lakin**, J.M., Hardy, E., Ewald, M.L., & Davis, V.A., (2020, April). *Do science fairs benefit students equally? Demographic differences in student participation and benefits*. Presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Lakin**, J.M., Ewald, M.L., & Blanco, N. (2019, June). *WIP: Impact of teaching engineering summer academy on teacher efficacy and teaching beliefs*. Presented at the American Society for Engineering Education, Tampa, FL.
- Cooper*, J., **Lakin**, J.M., Shannon, D.M., Wang, C.-H., Salisbury-Glennon, J. (2016, November). *Starting a conversation: Practical methods of gathering evidence of teacher understanding of key program concepts*. Presented at the American Evaluation Association, Atlanta, GA.
- Davis, V.A., Davis, E., **Lakin**, J.M. (2016, June). *Nanotechnology solutions to Engineering Grand Challenges*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Lakin**, J.M., Ewald, M. K., Davis, V.A., Cobine, P.A., Landers, A.L. (2016, June). *Challenges and benefits of introducing a science and engineering fair in high-needs schools (Work in Progress)*. Presented at the American Society for Engineering Education, New Orleans, LA.
- Callender, A.M., **Lakin**, J.M., Gillis-Matson, J. (2015, April). *Validating Measures of Component Processes of Reading Comprehension for Children*. Poster presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Lakin**, J.M., & Garrison-Fletcher, L. (2014, April). *Late-Arriving English Learners: Improving Educational Outcomes Through a New Translanguage Assessment Design*. Presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Lakin**, J.M. (2014, February). *Assessing teachers' use of inquiry methods in the middle school science classroom*. Presented at the annual meeting of the Eastern Educational Research Association, Jacksonville, FL.
- Lakin**, J.M., & Shannon, D.M. (2013). *The role of treatment acceptability and understanding in formative evaluation: Predicting implementation variation in a middle school science program*. Presented at the American Evaluation Association, Washington, D.C.
- Cooper*, J., **Lakin**, J.M., Salisbury-Glennon, J. (2013, February). *Inquiry-Focused Science Instruction: Measuring Teachers' Attitudes, Knowledge, and Teaching Orientation*. Presented at the annual meeting of the Eastern Educational Research Association, Sarasota, FL.
- Lakin**, J.M. (2011, April). *Ability tests in the modern, diverse classroom: Validity of the CogAT for students who are English-language learners*. Poster presented at the annual meeting

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of the American Educational Research Association, New Orleans, LA.

Lakin, J.M. (2010, April). *Equivalent measurement models for a multidimensional ability test in a sample of English-language learners and native English speakers*. Poster presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.

Lakin, J.M., & Lohman, D.F. (2009, July). *Predictive validity of ability tests for academic achievement similar for English-language learners and non-ELL students*. Poster presented at the biannual meeting of the International Society for the Study of Individual Differences, Chicago, IL.

Lakin, J.M., Gambrell, J., & Lohman, D.F. (2008, December). *Verbal reasoning skills measured with a picture-based item format: Evidence of construct validity*. Poster presented at the annual meeting of the International Society for Intelligence Research, Decatur, GA.

Lakin, J.M., & Lohman, D.F. (2008, May). *Greater male variability for quantitative and nonverbal reasoning domains consistent across adolescence*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.

FUNDING

Current Funding

Co-PI, Office of Naval Research, 05/15/21-05/14/24, “Promoting DoN STEM careers via STEM educational activities”, E.W. Davis (PI), J.M. Lakin, & C. Seals (co-PIs). \$175,533.

PI, Institute of Education Sciences, 7/21/2021 – 7/20/2025, "Validity of the Cognitive Abilities Test (CogAT) Spatial Test to Guide STEM Instruction and Evaluate of Spatial Interventions", \$1,646,583.00. PI: Joni Lakin, David Uttal (PI for Northwestern), Jonathan Wai (PI for University of Arkansas), Co-PIs: Stefanie Wind, Kaiwen Man, Co-I: Caitlin M. Hudac.

External Evaluator, National Science Foundation (S-STEM), awarded, 2021-2026. “SSTEM Mechanical Engineering Transfer Students Success (SSTEM-METSS)”, M. Beidaghi (PI). \$650,000.

Co-PI, National Science Foundation (Research on Formation of Engineers [RFE]), 07/20/2018-07/31-2021, “RFE Design and Development: Framing Engineering as Community Activism for Values-Driven Engineering”, V.A. Davis (PI), J.M. Lakin, E.W. Davis, & D. Marghitu (co-PIs). \$342,502.00, Award # 1826181.

Co-PI, Office of Naval Research, 05/15/18-05/14/21, “INNSTEM Challenge: Inspiring the next generation of Navy S&T workforce”, E.W. Davis (PI), V.A. Davis & J.M. Lakin (co-PIs). \$652,231.

External Evaluator, National Science Foundation (AISL), 06/27/17-06/30/2020 (extended to 6/30/2021). “Implementing the STEM Excellence and Leadership Program to Understand the Role of Local Agency in Broadening High-Potential, Rural Students' STEM Participation and Achievement”, S. Assouline (PI). \$1,979,221. Award #1713123.

Previous Funding

* Student collaborator

Evaluator-Collaborator, National Science Foundation CAREER grants:

Wendy Hood, Auburn University, 1453784, 2014-2019

Haruka Wada, Auburn University, 1553657, 2016-2022

Majid Beidaghi, Auburn University #1944680, 2020-2025

Co-PI, American Psychological Foundation (Esther Katz Rosen), 06/01/2019-05/30/2020, “Finding the Missing Einsteins: Expanding the Breadth and Depth of Gifted Identification”, J. Wai (PI) & J.M. Lakin (co-PI). \$30,000.

External Evaluator, National Science Foundation (EPSCoR), 03/15/14-02/28/19 (extended to 02/28/20). “STEM-IQ: Science Technology Engineering and Mathematics Inquiry for Enhancing Science Education in Southeastern Alabama”. A. Landers, V. Davis. P. Cobine, M.L. Ewald (PIs), J.M. Lakin (Other personnel). \$750,000. Award # IIA-1348368.

External Evaluator, National Science Foundation (MSP), 09/01/11-08/31/16 (extended to 8/31/20). Evaluation team with sub-contract for “NanoBio Science Partnership for the Alabama Black Belt Region”, S. Jeelani (PI). \$9,999,999. Evaluation sub-award \$875,000, M. E. Ross (PI), & J.M. Lakin (co-PI, later PI). Award #1102997.

External Evaluator, State of Alabama Department of Education, Math-Science Partnership, Alabama Math, Science, and Technology Initiative (AMSTI), 09/1/15-08/30/18. “STEM Enrichment in Physics, Mathematics and Project based Learning: Meeting K-12 Needs in Alabama”, A. Landers (PI). \$1,246,499.

External Evaluator, National Science Foundation (NUE), 12/15/14-12/14/16, “NUE: The Freshman Experience and Nanotechnology Solutions to Engineering Grand Challenges”, V.A. Davis, E.W. Davis, P.K. Raju (co-PIs), J.M. Lakin (Other personnel). \$196,195. Award # 1446060.

Co-PI, Educational Testing Service, funded, partner institution for “Predictors of Graduate School Success: An Evaluation of ETS® Personal Potential Index Ratings”, 08/01/12-12/31/18. G. Crandell, J.M. Lakin, and M.M. Witte (co-PIs) \$150,000.

Co-PI, Paul P. Fidler Research Grant, National Resource Center for the First-Year Experience and Students in Transition, 10/1/14-10/1/15, “STEMing the Shock: Examining “Transfer Shock” and its Impact on STEM Major and Enrollment Persistence”, D.C. Elliott & J.M. Lakin (co-PIs). \$5,000.

PI, College of Education Seed Grants, funded, Auburn University, 2012-2013. “Late-Arriving English Learners: Improving Educational Outcomes Through New Assessment Designs”. J.M. Lakin (PI). \$5,000.

PI, National Advisory Council Mini-Grants for Research and Outreach, funded, Auburn University, 2012-2013. “Late-Arriving English Learners: Improving Educational Outcomes Through New Assessment Designs”, J.M. Lakin (PI). \$2,000.

Co-PI, Auburn University Intramural Grants Program (AU-IGP), funded, Auburn University, 2012-2013. “Validating reading measures for children with an Autism Spectrum Disorder”, A. Callender (PI), J.M. Lakin, J. Gillis (co-PIs). \$7,500.

Co-PI, Iowa Measurement Research Foundation, funded, The University of Iowa, 2006-2007.
Grant: “Using pictures to measure the verbal reasoning abilities of English- and Spanish-speaking children on a common score scale”, D. F. Lohman (PI) and J.M. Lakin.
\$26,000.

TEACHING EXPERIENCE

University of Alabama

Quantitative Research Methods (BER 600; graduate course)

Auburn University

Advanced Measurement Theory (ERMA 8350; graduate course)

Advanced Study of Educational Measurement and Evaluation (ERMA 7100; graduate course),

Basic Methods in Educational Research (ERMA 7200; graduate course)

Design and Analysis in Education I (ERMA 7300/7306; graduate course/online)

Design and Analysis in Education II (ERMA 7310; graduate course)

Preparing Research for Publication (ERMA 8210; graduate course)

Survey Research Design (ERMA 8200; graduate course)

Applied Structural Equation Modeling (ERMA 8340; graduate course)

Educational Psychology Research Apprenticeship Seminar (EPSY 8540; graduate course)

STUDENT SUPERVISION

I have served as a methodologist on approximately 40 dissertation committees as of spring 2021.

Dissertation Chair (completed)

Askia, Rashida (2019). *A Case Study Analysis of Rural Middle School Science Teachers: The Perception of Culture to Inform Pedagogical Practices in the Classroom*. Dr. Askia is now at the Tennessee Department of Education.

Dag, Asli (2016). *Relationship between Educational Outcomes and Mental Health of Turkish-American Adolescents*. Dr. Dag is now an Instructor at the University of North Dakota.

Han, Yi (2014). *Foreign Language Vocabulary Learning Strategies: Patterns of use among college students*. Dr. Han now works in non-profit outreach in his home country.

Wittig (Hill), Ashley (2019). *The Social Engineer: Women engineering students' identity construction as modern engineers*. Dr. Wittig is now a researcher with the Department of Defense.

PROFESSIONAL AFFILIATIONS

Alabama Water Institute, University of Alabama

American Educational Research Association (AERA), Division D and H

American Society of Engineering Education (ASEE)

Council for Exceptional Children, The Association for the Gifted (CEC-TAG)

International Society for the Study of Individual Differences (ISSID)

National Association for Gifted Children (NAGC)

National Association for Research on Science Teaching (NARST)
National Council on Measurement in Education (NCME)
National Science Teacher Association (NSTA)

PROFESSIONAL SERVICE ACTIVITIES

Peer-review contributions

Associate Editor, *Gifted Child Quarterly*, 2019-present.

Assessment plan reviewer, US. Department of Education, 2021.

Panelist, National Science Foundation, 2015, 2020.

Grant reviewer, Alabama State Department of Education, Gifted Education Department, 2020.

Editorial Review Board, *Journal of Psychoeducational Assessment*, 2014-2020; *Gifted Child Quarterly*, 2016-2019; *Journal for the Education of the Gifted*, 2019-present.

Ad hoc reviewer, *Educational Research and Evaluation*, *Educational Measurement: Issues and Practice*, *European Journal of Psychoeducational Assessment*, *Learning and Individual Differences*.

Conference proposal reviewer, AEA, 2013; AERA, 2007-present; ASEE, 2018-present, NARST, 2020; NCME, 2007-2012, 2017-present.

Committees

Chair, Social Media Sub-Committee of the Digital Presence Committee, National Council on Measurement in Education, 2017-2019, 2020-2021.

Member, Leadership Development Committee, National Association for Gifted Children, 2020-2023

Chair, Digital Presence Committee, National Council on Measurement in Education, 2019-2020.

Webmaster, Inclusion & Accommodation in Educational Assessment Special Interest Group (SIG), American Educational Research Association, 2014-present.

Chair, Membership Committee, National Council on Measurement in Education, 2015-2016.
Member 2013-2016.

Member, Recruitment Committee, National Council on Measurement in Education, 2012-2013

Program Chair, Inclusion & Accommodation in Educational Assessment Special Interest Group (SIG), American Educational Research Association, 2012-2014.

UNIVERSITY SERVICE ACTIVITIES

Summer Grant Writing Accountability Group, ESPRMC , University of Alabama, organizer, summer 2021.

Temporary program coordinator, Research Methods, College of Education, University of Alabama, Fall 2021.

Faculty Issues Committee, College of Education, University of Alabama, incoming chair 2020-2021, chair 2021-2022.

Annual review process committee, ESPRMC , University of Alabama, Fall 2021.

Faculty search committee, College of Education, University of Alabama, chair and co-chair 2021.

Strategic Plan Committee, College of Education, University of Alabama, member 2020-2021.

Academic Computing Committee, University Senate standing committee, Auburn University, member 2016-2019, chair 2017-2019.

Undergraduate Retention Committee, University Senate standing committee, Auburn University, member 2012-2015, chair 2014-2015. Rejoined in 2018-2020.

University Undergraduate Advising Committee, University Senate standing committee, Auburn University, member 2014-2015.

Working Group on Developing Freshman Advising Center, Committee convened by University Provost, Auburn University, member 2013-2014.

Assessment Committee, College of Education, Auburn University, member 2013-2016.

Member, ad hoc workload committee, Educational Foundations, Leadership, and Technology, Auburn University, member 2013-2014.

Faculty search committee, College of Education, Auburn University, 2013-2014, 2014-2015, 2016-2017, 2017-2018.

COMMUNITY ENGAGEMENT ACTIVITIES

Board of Directors, Alabama STEM Education (non-profit), 2020-present.

Committee member, Alabama STEM Council, Evaluation Working Group (non-council member), 2021-present. <https://stemcouncil.alabama.gov/>

PROFESSIONAL DEVELOPMENT

Summer Institute in Advanced Research Methods (SIARM) for STEM Education.

Inaugural Fellows cohort, 2021-2023. Three-year training and collaboration around advanced research methods applied to STEM Education Research; competitive application process.

Quality Matters online teaching certificate, October 2020 – February 2021

Series of seven courses covering standards, policies, and practices of online teaching.

Introduction to Nonprofit Management, Duke University, October 2020, virtual training.

Qualitative Research Summer Intensive, Research Talk, Chapel Hill, NC, July 2019.

Weeklong training with courses on coding, mixed methods, and rapid-turn around methods.

Culturally Relevant Evaluation and Research from a Quantitative Perspective, American Evaluation Association, Atlanta, GA, November, 2016. One-day workshop.

Summer Evaluation Institute, American Evaluation Association, Atlanta, GA, June, 2015.
 Attended workshops on program planning, developmental evaluation, qualitative evaluation methods.

Practical Evaluation: An Overview and Introduction for Those New to Evaluation, American Evaluation Association, January 2015. Four week online course.

Writing an Application for an IES Grant: A Workshop, American Educational Research Association, Philadelphia, PA, April 2014. One day workshop.

History and Future of (Mostly) Higher Education, Massively Open Online Course (MOOC) through Coursera, February-March 2014. Instructor: Cathy Davidson, Duke University.

Summer Evaluation Institute, American Evaluation Association, Atlanta, GA, June, 2013.
 Attended workshops on evaluation concepts, focus groups, and case study methods.

Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets, AERA Grants Program, Stanford University, July 2012.

New Faculty Teaching Scholars, year-long mentoring program by Biggio Center for the Enhancement of Teaching and Learning, Auburn University, 2011-2012.

Propensity Score Matching. One-day training, University of Georgia, October 2011.

Student Growth Percentiles. One-day training, NCME, April 2011.

Qualitative Data Analysis with NVivo. Two-day training organized by QSR (NVivo developers), October 2010.

CONSULTATION ACTIVITIES

Consultant, Houghton-Mifflin Harcourt (now Riverside Insights), 2015-present. Completed research reports for *CogAT* testing program. Ongoing collaboration.

Graduate Record Exam (GRE) Technical Advisory Committee, Educational Testing Service, 2014-2020. Providing technical oversight to GRE testing and research program.

Consultant, Educational Testing Service, fall 2011. Completed research project on ELL students and growth models funded by ETS allocations during postdoctoral fellowship.

Consultant, Statistical Outreach Center, College of Education, The University of Iowa, spring 2010. Consulted with clients to select and apply appropriate statistical analyses to their dissertations and grant proposals.

Consultant, Carver College of Medicine, The University of Iowa, fall 2009. Fairness panel reviewed tests developed by medical school for cross-cultural issues in test construction and generated advice on how to improve test development to increase fairness.

OUTREACH PUBLICATIONS

I write a regular newsletter called *Cognitively Speaking* for Riverside Insights, the publishers of *CogAT*, for teacher and parent audiences interested in gifted and talented education. I also frequently participate in webinars covering important topics related to assessment and educational practice. Riverside Insights maintains a resource bank of these materials:

<https://info.riversideinsights.com/k12pd>

- Lakin, J.M.** (2018, Winter). Getting Value and Equity from Your Universal Screening Process.
- Lakin, J.M., & Driver, V.** (2017, Winter). *Introducing CogAT® Form 8.*
- Lakin, J.M., Fry, S., & Driver, V.** (2017, Fall). *CogAT® Form 7 2017 Normative Update.*
- Lakin, J.M., & Driver, V.** (2017, Winter). *Using CogAT® Score Profiles to Differentiate Instruction.*
- Lakin, J.M., & Driver, V.** (2016, Fall). *Universal Screening in Gifted and Talented Identification: Implementation and Overcoming Challenges.*
- Lakin, J.M.** (2016, Winter). *Program Diversity and the Alternative Verbal Scale of CogAT Form 7.*
- Lakin, J.M.** (2015). *The Essentials: Using Ability Tests in Gifted and Talented Identification Programs.*
- Webinars for educators**
- Driver, V., **Lakin, J.M.**, and guests (February-April, 2021). : Hear From Your Peers (series of four webinars with district administrators across the country). February-April, 2021.
- Driver, V., **Lakin, J.M.**, & Blanco, A. (August-September, 2020). Ability and Equity in the COVID Era (series of three webinars addressing pressing concerns in assessment).
- Driver, V., **Lakin, J.M.**, & Blanco, A. (2020, September 29). Take That Score Out of the Drawer.
- Lakin, J.M.** (2018, October). *CogAT and Culturally Responsive Identification Practices.*
- Lakin, J.M.** (2018, September). Differentiating the Classroom: Using *CogAT* Ability Profile Scores Schoolwide.
- Lakin, J.M., & Driver, V.** (2016, April). *Using CogAT ability profiles to differentiate instruction.*
- Lakin, J.M., & Driver, V.** (2016, February). *Best practices in identifying gifted and talented English learners.*
- Driver, V., & **Lakin, J.M.** (2016, February). *Getting valid results from your CogAT administration.*