

PAPERS & REPORTS

- Holmes, R. M., & Segall, D. O. (1999, April). *Reducing item exposure without reducing precision (much) in computerized adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal, Canada.
- Kieckhafer, W. F., Segall, D. O., & Moreno, K. E. (1985). Medium of administration effects on attitudes toward ASVAB testing. *Proceedings of the 27th Annual Conference of the Military Testing Association, 1*, 55–60.
- Levine, M. V., & Segall, D. O. (1982, August). *Identifying different item response functions*. Paper presented at the meeting of the American Psychological Association, Washington, DC.
- Levine, M. V., & Segall, D. O. (1997, March). *Maintaining a CAT item pool with operational data*. Paper presented at the meeting of the National Council on Measurement in Education, Chicago, IL.
- Mead, A. D., Segall, D. O., Levine, M. V., & Williams, B. A. (1996, May). *Multidimensional assessment for multidimensional minds: Leveraging the computer to assess personality comprehensively, accurately, and briefly*. Paper presented at the meeting of the Society for Industrial and Organizational Psychology.
- Moreno, K. E., & Segall, D. O. (1992). CAT-ASVAB precision. *Proceedings of the 34th Annual Conference of the Military Testing Association, 1*, 22–26.
- Moreno, K. E., & Segall, D. O. (1994, August). *Lessons learned from the initial operational test and evaluation of CAT-ASVAB*. Paper presented at the meeting of the American Psychological Association.
- Moreno, K. E., & Segall, D. O. (2000, June). *The Department of Defense's Computerized Adaptive Testing Project: Current status and future plans*. Paper presented at the annual meeting of the American Psychological Society, Miami, FL.
- Moreno, K. E., Segall, D. O., & Kieckhafer, W. F. (1985). A validity study of the computerized adaptive testing version of the armed services vocational aptitude battery. *Proceedings of the 27th Annual Conference of the Military Testing Association, 1*, 29–33.
- Moreno, K. E., Segall, D. O., & Wise, L. (1993, August). *Preliminary results from the initial operational test and evaluation of CAT-ASVAB*. Paper presented at the meeting of the American Psychological Association.
- Nicewander, A., Hetter, R. D., Thomasson, G., Krass, I., Pommerich, M., Segall, D. O., & Moreno, K. E. (2004, June). *A stimulation study of parametric and non-parametric algorithms for calibrating 3-PL and non-3PL items seeded into adaptive tests*. Paper presented at the 69th annual meeting of the Psychometric Society, Monterey, CA.
- Pommerich, M., & Segall, D. O. (2003, April). *Calibrating CAT pools and online pretest items using marginal maximum likelihood methods*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Pommerich, M., Segall, D. O., & Krass, I. A. (2004, June). *Evaluating the scale of items within CAT pools using adaptive data*. Paper presented at the 69th annual meeting of the Psychometric Society, Monterey, CA.
- Segall, D. O. (1983, October). *Test characteristic curves, item bias, and transforming parameters to a common metric in item response theory: A methodological artifact with serious consequences and a simple solution*. Paper presented at the meeting of the Office of Naval Research on model based measurement, Urbana, IL.

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- Segall, D. O. (1987). *A comparison of alternative methods for transforming item-parameters to a common metric in item response theory* (Tech. Rep. No. 87-03). Urbana, IL: Model Based Measurement Laboratory.
- Segall, D. O. (1989, June). *Psychometric advances in computerized adaptive testing*. Paper presented at the meeting of the International Technical Cooperation Program on defense scientific and technical information exchange, Bath, England.
- Segall, D. O. (1990, April). *Equating methods and procedures for adaptive tests: With applications to the CAT-ASVAB*. Paper presented at the meeting of the NATO Research Study Group 15 on Computer-Based Assessment of Military Personnel, Washington, DC.
- Segall, D. O. (1991, November). *Causal inferences in differential subgroup performance across CAT and P&P ASVAB*. Paper presented at the meeting of the NATO Research Study Group 15 on Computer-Based Assessment of Military Personnel, Brussels, Belgium.
- Segall, D. O. (1992). Equating of the computerized adaptive testing version of the ASVAB. *Proceedings of the 34th Annual Conference of the Military Testing Association, 1, 27-32*.
- Segall, D. O. (1994, August). *Subgroup differences in CAT-ASVAB equating*. Paper presented at the meeting of the American Psychological Association, Los Angeles, CA.
- Segall, D. O. (1995a, April). *The effects of item compromise on computerized adaptive test scores*. Paper presented at the meeting of the Society for Industrial and Organizational Psychology, Orlando, FL. (SECHAP)
- Segall, D. O. (1995b, April). *Equating the CAT-ASVAB: Experiences and lessons learned*. Paper presented at the meeting of the National Council on Measurement in Education, San Francisco, CA.
- Segall, D. O. (1997, March). *The effects of motivation on equating adaptive and conventional tests*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Segall, D. O. (1998a, April). *Modeling motivation in test-score distribution estimation*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego, CA.
- Segall, D. O. (1998b, April). *Trends in computerized testing—a synthesis of this year's sessions*. Invited paper presented at the annual meeting of the National Council on Measurement in Education, San Diego, CA.
- Segall, D. O. (1998c). IFACT computer program Version 1.0: Full information confirmatory item factor analysis using Markov chain Monte Carlo estimation [Computer program]. Seaside, CA: Defense Manpower Data Center.
- Segall, D. O. (1999a, October). *Adaptive measurement of multidimensional latent test factors*. Invited paper presented at the 15th Invitational Workshop on Item Response Theory, University of Twente, The Netherlands.
- Segall, D. O. (1999b). Applications of multidimensional item response theory to military applicant measurement. *Proceedings of the 41th Annual Conference of the Military Testing Association*.
- Segall, D. O. (1999c, October). *Estimating the severity of test compromise using Markov chain Monte Carlo procedures*. Invited paper presented at the 15th Invitational Workshop on Item Response Theory, University of Twente, The Netherlands.

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- Segall, D. O. (1999d, April). *General ability measurement: An application of multidimensional adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal, Canada.
- Segall, D. O. (1999e, October). *Military aptitude testing: From Binet to Birnbaum and beyond*. Invited paper presented at the 15th Invitational Workshop on Item Response Theory, University of Twente, The Netherlands.
- Segall, D. O. (1999f). *Preliminary evaluation of an item response model for characterizing test compromise*. Unpublished manuscript, Defense Manpower Data Center, Seaside, CA.
- Segall, D. O. (2000a). *Adaptive exposure control: Theoretical considerations in item selection and ability estimation*. Unpublished manuscript, Defense Manpower Data Center, Seaside, CA.
- Segall, D. O. (2000b, April). *An item response theory model for characterizing test compromise*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Segall, D. O. (2000c, November). *Measuring test compromise in the U. S. Department of Defense Enlistment Testing Program*. Paper presented at the 42nd annual conference of the Military Testing Association, Edinburgh, UK.
- Segall, D. O. (2001a, April). *Detecting test compromise in high-stakes computerized adaptive testing: A verification testing approach*. Paper presented at the annual meeting of the National Council on Measurement in Education, Seattle, WA.
- Segall, D. O. (2001b, February). *Model-based measurement advances in the U. S. Department of Defense*. Invited paper presented at the annual meeting of the Association of Test Publishers, Tucson, AZ.
- Segall, D. O. (2001c, February). *CAT and the military: An overview of the ASVAB testing program*. Paper presented at the 167th national meeting of the American Association for the Advancement of Science, San Francisco, CA.
- Segall, D. O. (2002, April). *Confirmatory item factor analysis using Markov chain Monte Carlo estimation with applications to online calibration in CAT*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Segall, D. O. (2003a, April). *An adaptive exposure control algorithm for computerized adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Segall, D. O. (2003b, April). *Calibrating CAT pools and online pretest items using MCMC methods*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL.
- Segall, D. O. (2004a, July). *The 1997 ASVAB score scale development and impact assessment*. Paper presented at the annual meeting of the American Psychological Association, Honolulu, Hawaii.
- Segall, D. O. (2004b, June). *Modeling and detecting collaboration: A multidimensional item response theory approach*. Paper presented at the 69th annual meeting of the Psychometric Society, Monterey, CA.
- Segall, D. O. (2005, April). *Specifying CAT pool sizes and replacement schedules: An integrated approach based on the sharing item response theory model*. Paper presented at the meeting of the National Council on Measurement in Education, Montreal, Canada.

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- Segall, D. O., & Carter, G. (1995, April). *Equating the CAT-GATB: Issues and approach*. Paper presented at the meeting of the National Council on Measurement in Education, San Francisco, CA.
- Segall, D. O., & Davey, T. (1995, June). *Some new methods for content balancing adaptive tests*. Paper presented at the meeting of the Psychometric Society, Minneapolis, MN.
- Segall, D. O., Kieckhafer, W. F., & Moreno, K. E. (1985). Sex differences in IRT true-score equating. *Proceedings of the 27th Annual Conference of the Military Testing Association, 1*, 38-42.
- Segall, D. O., Williams, B., & Levine, M. V. (1998, June). *Multidimensionality and robustness against cheating*. Paper presented at the annual meeting of the Psychometric Society, Urbana, IL.
- Thomasson, G. L., & Segall, D. O. (2002, April). *A demonstration of the advantages that accrue by the pending change in the ASVAB scoring and reporting scales*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.