

Gregory R. Hancock, Ph.D.
Curriculum Vitae

"I certify that this vita is an accurate and complete representation of my scholarly work to the best of my knowledge."

4 May 2019

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College Park, MD 20742-1115 ghancock@umd.edu

PERSONAL INFORMATION

Current Positions	Program Director July, 2011 — present	Measurement, Statistics and Evaluation Program Dept. of Human Development and Quantitative Methodology College of Education, University of Maryland
	Professor full time July, 2011 — present (with tenure)	Measurement, Statistics and Evaluation Program Dept. of Human Development and Quantitative Methodology College of Education, University of Maryland
	Director and Founder January, 2005 — present	Center for Integrated Latent Variable Research University of Maryland
	Affiliated Professor August, 1997 — present	Dept. of Human Development College of Education, University of Maryland
	Affiliated Professor November, 2005 — present	Center for Advanced Study of Language University of Maryland
Previous Positions	Department Chair July, 2008 — June, 2011	Dept. of Measurement, Statistics and Evaluation College of Education, University of Maryland
	Interim Associate Dean for Research & Graduate Education July, 2007 — July, 2008	College of Education, University of Maryland
	Professor full time August, 2003 — June, 2011 (with tenure)	Dept. of Measurement, Statistics and Evaluation College of Education, University of Maryland
	Associate Professor full time August, 1998 — August, 2003 (with tenure)	Dept. of Measurement, Statistics and Evaluation College of Education, University of Maryland
	Assistant Professor full time August, 1995 — August, 1998	Dept. of Measurement, Statistics and Evaluation College of Education, University of Maryland

	Assistant Professor full time August, 1991 — June, 1995	Educ. Foundations, Leadership, & Technology College of Education, Auburn University
	Visiting Assistant Professor June, 1994 — August, 1994 June, 1992 — August, 1992	Department of Educational Psychology College of Education, University of Washington
	Graduate Teaching Assistant June, 1988 — August, 1991	Department of Educational Psychology College of Education, University of Washington
	Student Teacher September, 1986 — June, 1987	Dept. of Mathematics and Dept. of Chemistry Ingraham High School (Seattle, WA)
Education	Doctor of Philosophy August, 1991	Statistics, Measurement, and Research Design Department of Educational Psychology College of Education, University of Washington
	Master of Education June, 1989	Statistics, Measurement, and Research Design Department of Educational Psychology College of Education, University of Washington
	Teaching Certif. (4-12 th) July, 1987	Mathematics and Chemistry University of Washington
	Bachelor of Science June, 1986	Department of Chemistry University of Washington
	Bachelor of Science June, 1986	Department of Mathematics University of Washington

RESEARCH AND SCHOLARSHIP

Books

- Hancock, G. R., Haring, J. R., & Macready, G. B. (Eds.). (in press) *Advances in latent class analysis: A Festschrift in honor of C. Mitchell Day*. Charlotte, NC: Information Age Publishing, Inc.
- Hancock, G. R., Stapleton, L. M., & Mueller, R. O. (Eds.). (2019) *The reviewer's guide to quantitative methods in the social sciences* (2nd ed.). New York: Routledge.
- Hancock, G. R., & Mueller, R. O. (Eds.). (2013) *Structural equation modeling: A second course* (2nd ed.). Charlotte, NC: Information Age Publishing, Inc.
- Haring, J. R., & Hancock, G. R. (Eds.). (2012) *Advances in longitudinal methods in the social and behavioral sciences*. Charlotte, NC: Information Age Publishing, Inc.
- Hancock, G. R., & Mueller, R. O. (Eds.). (2010) *The reviewer's guide to quantitative methods in the social sciences*. New York: Routledge.

Feng, Y., Hancock, G. R., & Harring, J. R. (in press). Latent growth models with fixed floors and ceilings. *Multivariate Behavioral Research*

Liu, M., Harbaugh, A. G., Harring, J. R., Hancock, G. R. (in press). The effect of extreme response and non-extreme response styles on testing measurement invariance. *Frontiers in Psychology* (Quantitative Psychology and Measurement section).

Hancock, G. R., & An, J. (2018). Framing and improving scale reliability assessment using structural equation models. *Educational Measurement: Issues and Practice*

Li, T., von Davier, M., Hancock, G. R., & Kirsch, I. S. (2016). The prediction of labor force status: Implications from international adult skill assessments. ETS Research Report Series, 2016 1-20. doi:10.1002/ets2.12097

Hodis, F. A., & Hancock, G. R. (Eds.). (2016). Special issue: Advances in quantitative methods to further research in education and educational psychology. *Educational Psychologist*, 51(3-4).

Hodis, F. A., & Hancock, G. R. (2016). Introduction to the Special Issue: Advances in quantitative methods to further research in education and

- Liu, M., Hancock, G. R., & Harring, J. R. (2011). Using finite mixture modeling to deal with systematic measurement error: A case study. *Journal of Modern Applied Statistical Methods*, 10, 249-261.
- Koran, J., & Hancock, G. R. (2010). Using fixed thresholds with grouped data in structural equation modeling. *Structural Equation Modeling: A Multidisciplinary Journal*, 17, 590-604.
- Choi, J., Harring, J. R., & Hancock, G. R. (2009). Latent growth modeling for logistic response functions. *Multivariate Behavioral Research*, 44, 620-645.
- Mann, H. M., Rutstein, D. W., & Hancock, G. R. (2009). The potential for differential findings among invariance testing strategies for multisample measured variable path models. *Educational and Psychological Measurement*, 69, 603-612.
- Choi, J., Fan, W., & Hancock, G. R. (2009). A note on confidence intervals for two-group latent mean effect size measures. *Multivariate Behavioral Research*, 44, 396-406.
- Hancock, G. R. (2009). Diagnostic classification modeling: Opportunity for identity. *Measurement: Interdisciplinary Research and Perspectives*, 62-64.
- Hancock, G. R., & Buehl, M. M. (2008). Second-order latent growth models with shifting indicators. *Journal of Modern Applied Statistical Methods*, 7, 39-55.
- Hancock, G. R. (2007). Models for illuminating things otherwise unseen: Co-editor's introduction. *Contemporary Educational Psychology*, 32, 4-7.
- Levy, R., & Hancock, G. R. (2007). A framework of statistical tests for comparing mean and covariance structure models. *Multivariate Behavioral Research*, 42, 33-66.
- Hancock, G. R., & Choi, J. (2006). A vernacular for linear latent growth models. *Structural Equation Modeling: A Multidisciplinary Journal*, 13, 352-377.
- Fan, W., & Hancock, G. R. (2006). Impact of post hoc measurement model over-specification on structural parameter integration. *Educational and Psychological Measurement*, 66, 748-764.
- Gagné, P. E., & Hancock, G. R. (2006). Measurement model quality, sample size, and solution propriety in confirmatory factor models. *Multivariate Behavioral Research*, 41, 65-83.
- Raykov, T., & Hancock, G. R. (2005). Examining change in maximal reliability for multiple-component measuring instruments. *British Journal of Mathematical and Statistical Psychology*, 58, 65-82.

- Nevitt, J., & Hancock, G. R. (2004). Evaluating small sample approaches for model test statistics in structural equation modeling. *Multivariate Behavioral Research*, 39, 439-478.
- Hancock, G. R. (2003). Fortune cookies, measurement error, and experimental design. *Journal of Modern Applied Statistical Methods*, 2, 293-305.
- Hancock, G. R. (2001). Effect size, power, and sample size determination for structured means modeling and MIMIC approaches to between-groups hypothesis testing of means on a single latent construct. *Psychometrika*, 66, 373-388.
- Hancock, G. R., & Freeman, M. J. (2001). Power and sample size for the RMSEA test of not close fit in structural equation modeling. *Educational and Psychological Measurement*, 61, 741-758.
- Nevitt, J., & Hancock, G. R. (2001). Performance of bootstrapping approaches to model test statistics and parameter standard error estimation in structural equation modeling. *Structural Equation Modeling: A Multidisciplinary Journal*, 8, 353-377.
- Hancock, G. R., Kuo, W., & Lawrence, F. R. (2001). An illustration of second-order latent growth models. *Structural Equation Modeling: A Multidisciplinary Journal*, 8, 470-489.
- Berkovits, I., Hancock, G. R., & Nevitt, J. (2000). Bootstrap resampling approaches for repeated measure designs: Relative robustness to sphericity and normality violations. *Educational and Psychological Measurement*, 60, 877-892.
- Hancock, G. R., Lawrence, F. R., & Nevitt, J. (2000). Type I error and power of latent mean methods and MANOVA in factorially invariant and noninvariant latent variable systems. *Structural Equation Modeling: A Multidisciplinary Journal*, 7, 534-556.
- Klockars, A. J., & Hancock, G. R. (2000). Scheffé's more powerful protected post hoc procedure. *Journal of Educational and Behavioral Statistics*, 25, 13-19.
- Nevitt, J., & Hancock, G. R. (2000). Improving the Root Mean Square Error of Approximation for nonnormal conditions in structural equation modeling. *Journal of Experimental Education*, 68, 251-268.
- Hancock, G. R., & Nevitt, J. (1999). Bootstrapping and identification of exogenous latent variables within structural equation models. *Structural Equation Modeling: A Multidisciplinary Journal*, 6, 394-399.
- Lawrence, F. R., & Hancock, G. R. (1999). Conditions affecting integrity of a factor solution under varying degrees of overextraction. *Educational and Psychological Measurement*, 59, 549-579.
- Hancock, G. R. (1999). A sequential Scheffé-type respecification procedure for controlling Type I error in exploratory structural equation model

- Hancock, G. R., Thiede, K. W., Sax, G., & Michael, W. B. (1993). Reliability of comparably written two-option multiple-choice and true-false test items. *Educational and Psychological Measurement*, 53, 651-660.
- Klockars, A. J., & Hancock, G. R. (1993). Manipulations of evaluative rating scales to increase validity. *Psychological Reports*, 73, 1059-1066.
- Klockars, A. J., & Hancock, G. R. (1992). Power of recent multiple comparison procedures as applied to a complete set of planned orthogonal contrasts. *Psychological Bulletin*, 111, 505-510.
- Hancock, G. R., & Klockars, A. J. (1991). The effect of scale manipulations on validity: Targetting frequency rating scales for specific performance levels. *Applied Ergonomics*, 22, 147-154.

Supporting Work (underline indicates student at time of work)

- Gartstein, M. A., Hancock, G. R., Potapova, N. V., Calkins, S. D., & Bell, M. A. (in press). Modeling developmental frontal electroencephalogram (EEG) asymmetry: Sex differences and links with temperament. *Developmental Science*
- Riggins, T., Geng, F., Botdorf, M., Canada, K., Cox, L.H., & Hancock, G. R. (in press). Protracted hippocampal development is associated with age-related improvements in memory during early childhood. *NeuroImage*
- Quinn, S. C., Jamison, A., An, J., Freimuth, V., Hancock, G. R., & Musa, D. (in press). Breaking down the monolith: Understanding flu vaccine uptake among African Americans. *Social Science & Medicine – Population Health*
- Quinn, S., Jamison, A., An, J., Freimuth, V., Hancock, G. R. (in press). Determinants of influenza vaccination among high-risk black and white adults. *Vaccine*
- Gartstein, M. A., & Hancock, G. R. (in press). Temperamental growth in infancy: Demographic, maternal symptom, and stress contributions to overarching and fine-grained dimensions. *Merrill-Palmer Quarterly*
- Freimuth, V., Jamison, A., An, J., Hancock, G. R., & Quinn, S. (in press). Determinants of trust in the flu vaccine for African Americans and whites. *Social Science & Medicine*
- Smith, G., Hayslip, B., Hancock, G. R., Merchant, W., Montoro-Rodriguez, J., & Strieder, F. (in press). The Family Stress Model as it applies to custodial grandfamilies: A cross-validation. *Journal of Child and Family Studies*
- Holten, A-L., Hancock, G. R., Persson, R., Hansen, Å. M., & Høgh, A. (2016). Knowledge hoarding: Antecedent or consequent of negative acts? *The*

mediating role of trust and justice *Journal of Knowledge Management*, 20, 215-229.

- Gartstein, M. A., Hancock, G. R., & Iverson, S. L. (2018). Positive affectivity and fear trajectories in infancy: Contributions of mother-child interaction factors. *Child Development*, 89, 1519-1534.
- Freimuth, V., Jamison, A., Hancock, G. R., Musa, D., Hilyard, K., & Quinn, S. (in press). The role of risk perception in flu vaccine behavior among African American and White Adults in the US. *Risk Analysis*
- Quinn, S., Jamison, A., Freimuth, V., An, H., Hancock, G. R., & Musa, D. (in press). Exploring racial influences on flu vaccine attitudes and behavior: Results of a national survey of African American and white adults. *Vaccine*
- Holten, A., Hancock, G. R., Hansen, A. M., Persson, R., Mikkelsen, E. G., & Høgh, A. (in press). The longitudinal effects of organisational change on experienced and enacted bullying behavior. *Journal of Change Management*
- Holten, A-L., Hancock, G. R., Persson, R., Hansen, Å. M., & Høgh, A. (in press). Knowledge hoarding: Antecedent or consequent of negative acts? The mediating role of trust and justice. *Journal of Knowledge Management*
- Smith, G. C., Merchant, W., Hayslip B. J., Hancock, G. R., Strieder, F. H., & Montoro-Rodriguez, J. (2015). Measuring the parenting practices of custodial grandmothers. *Journal of Child and Family Studies*, 24, 3676-3689.
- Cabrera, N. J., Hofferth, S. L., & Hancock, G. R. (2014). Family structure, maternal employment, and change in children's externalizing problem behaviour: Differences by age and self-regulation. *European Journal of Developmental Psychology*, 1, 136-158.
- Trezek, B. J., & Hancock, G. R. (2013). Implementing instruction in the alphabetic principle within a sign bilingual setting. *Journal of Deaf Studies and Deaf Education*, 18, 391-408. doi: 10.1093/deafed/ent016
- Cabrera, N. J., Tamis-LeMonda, C. S., Bradley, R. H., Shannon, J. D., & Hancock, G. R. (2012). Parenting during early childhood in low-income families: Variation by child gender. *Family Science*, 3, 201-214.
- Smith, G., & Hancock, G. R. (2010). Custodial grandmother-grandfather dyads: Pathways among marital distress, grandparent dysphoria, parenting practice, and grandchild adjustment. *Family Relations*, 59, 45-59.
- Harden, B. J., Vick, J., Hancock, G. R., & Wang, K. (2010). Quality of the early caregiving environment and preschool well-being: An examination of children entering the child welfare system during infancy. In M. B. Webb, K. L. Dowd, B. J. Harden, J. Landsverk, & M. Testa (Eds.), *Child welfare and*

strategy-use and conceptual learning from text. *Journal of Educational Psychology* 90, 261-278.

Guo, J. J., Gibson, J. Hancock, G. R., Barker, K. N., & May, T. (1997). Economic evaluation of retrospective Drug Utilization Review on Medicaid pharmacy dispensing behavior: An empirical marginal analysis. *Journal of Research in Pharmaceutical Economics* 16, 25-41.

Whang, P. A., & Hancock, G. R. (1997). Modeling the mathematics achievement of Asian-American elementary students. *Learning and Individual Differences* 9, 63-88.

Shannon, D. S., Twale, D. J., & Hancock, G. R. (1996). Use of instructional feedback and modification methods among university faculty. *Assessment and Evaluation in Higher Education* 21, 41-53.

Guo, J. J., Gibson, J. Hancock, G. R., & Barker, K. N. (1995). Retrospective Drug Utilization Review and the behavior of Medicaid prescribers: An empirical marginal analysis. *Clinical Therapeutics* 17, 1174-1187.

Whang, P. A., & Hancock, G. R. (1994). Motivation and mathematics achievement: Comparisons between Asian-American and non-Asian students. *Contemporary Educational Psychology* 19, 302-322.

Hancock, G. R., Shannon, D. M., & Trentham, L. L. (1993). Student and teacher gender in ratings of university faculty: Results from five colleges of study. *Journal of Personnel Evaluation in Education* 6, 235-248.

Kincade, D. H., Redwine, A., & Hancock, G. R. (1992). Apparel product dissatisfaction and the post-complaint procedure. *International Journal of Retail & Distribution Management* 20, 15-22.

Clinton, B. L., & Hancock, G. R. (1991). The development of an understanding of comforting messages. *Communication Reports* 4, 55-63.

Book Reviews

Hancock, G. R. (2011). Review of Adam Davey and Jyoti Savatkar. *Statistical power analysis with missing data: A structural equation modeling approach*. *Journal of the American Statistical Association* 106, 1648.

Hancock, G. R. (1999). Review of John C. Loehlin. *Latent variable models: An introduction to factor, path, and structural analysis (3rd edition)*. *Structural Equation Modeling: A Multidisciplinary Journal* 6, 400-402.

Hancock, G. R. (1995). Review of Barbara M. Byrne. *Structural equation modeling with EQS and EQS/Windows*. *Structural Equation Modeling: A Multidisciplinary Journal* 2, 73-78.

Professional Papers Presented or To Be Presented (underline indicates student at time of work)

- Gartstein, M. A. & Hancock, G. R. (2016, October). Growth of temperament in infancy: Implications for development of behavior problems. Presentation at the 21st meeting of the Occasional Temperament Conference, Seattle, WA.
- Stapleton, L. M., Yang, J. S., & Hancock, G. R. (October, 2016) Considering construct meaning and validation in multilevel settings Paper presented at the 10th annual International Multilevel Conference, Utrecht, Netherlands.
- Hancock, G. R., & An, J. (2016, April). Closed-form alternatives for estimating omega reliability Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Hancock, G. R. (2016, April). Seven dirty secrets of structural equation modeling Invited address for the Structural Equation Modeling Special Interest Group of the American Educational Research Association, Washington, DC.
- Cassiday, K., Lee, D. Y., & Hancock, G. R. (2016, April). Error covariance structure in a latent quadratic effects model Paper presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Smith, G. C., Hayslip, B. Jr., Strieder, B., Greenberg, P., Montoro-Rodriguez, J., Hancock, G. R., & Merchant, W. (2015, November) Comparing Interventions to Improve the Well-Being of Custodial Grandmothers and Grandchildren: Changes from Baseline at Post-Intervention and Three Months Later. Paper presented at the annual meeting of the Gerontological Society of America, Baltimore, MD.
- Holten, A-L., Hancock, G. R., Høgh, A., Persson, R., & Hansen, Å. (2015, May). Knowledge hoarding and negative acts: the mediating role of trust and justice Paper presented at the annual meeting of the European Association of Work and Organizational Psychology, Oslo, Norway.
- Holten, A-L., Hancock, G. R., & Bøllingtoft, A. (2015, May). Organizational change – prevalence, consequences and management in public and private organizations Paper presented at the annual meeting of the European Association of Work and Organizational Psychology, Oslo, Norway.
- Trezek, B. J., & Hancock, G. R. (April, 2015). Exploring the impact of summer regression/recoupment on the reading and mathematics achievement of deaf learners Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- McNeish, D. M., An, J., & Hancock, G. R. (April, 2015). Factor indicator reliability and fit indices: More evidence against golden rule cutoffs in latent variable models Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Kang, Y., & Hancock, G. R. (April, 2015). Sensitivity analysis of structural parameters to measurement noninvariance: A Bayesian approach presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Mao, X., & Hancock, G. R. (April, 2015). Robust means modeling: An alternative for repeated measures designs presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Merchant, W., Smith, G. C., Hayslip, B., Strieder, F., Montoro Rodriguez, J., & Hancock, G. R. (November, 2014). Psychometric evidence for the use of parenting scales with custodial grandmothers presented at the 67th

Hancock, G. R., & Kang, Y. (2013, April). On optimal scaling for latent variables within structural equation models. Paper presented at the annual

- Wasko, J. A., & Hancock, G. R. (2009, April). Mixture models within experimental design to accommodate and assess potential treatment nonresponse. Paper presented at the 2009 annual meeting of the American Educational Research Association, San Diego, CA.
- Weiss, B. A., & Hancock, G. R. (2009, April). Latent variable models for estimating quadratic effects in structural equation models. Paper presented at the 2009 annual meeting of the American Educational Research Association, San Diego, CA.
- Levy, R., & Hancock, G. R. (2008, March). A generalized model comparison framework in structural equation modeling. Paper presented at the 2008 meeting of the American Educational Research Association, New York, NY.
- Koran, J., & Hancock, G. R. (2008, March). Using fixed thresholds for inherently quantitative but ordinaly-scaled variables in covariance structure modeling. Paper presented at the 2008 meeting of the American Educational Research Association, New York, NY.
- Weiss, B. A., & Hancock, G. R. (2008, March). The two-point mixture index of fit for structural equation models. Paper presented at the 2008 meeting of the American Educational Research Association, New York, NY.
- Mann, H. M., & Hancock, G. R. (2008, March). A general Bayesian framework for modeling heterogeneity in random coefficient structural equation models. Paper presented at the 2008 meeting of the American Educational Research Association, New York, NY.
- Hancock, G. R., & Mueller, R. O. (2007, April). The reliability paradox in structural equation modeling fit indices. Paper presented at the 2007 meeting of the American Educational Research Association, Chicago, IL.
- Choi, J., Levy, R., & Hancock, G. R. (2007, April). A numerical approach to the categorization effect on the moments estimates of the SEM indicators. Paper presented at the 2007 meeting of the American Educational Research Association, Chicago, IL.
- Mann, H. M., Rutstein, D. W., & Hancock, G. R. (2007, April). A comparison of invariance testing strategies for multisample covariance structure analysis. Paper presented at the 2007 meeting of the National Council on Measurement in Education, Chicago, IL.
- Hancock, G. R., & Fan, W. (2007, April). Repeated robust means modeling: An alternative to hypothesis testing of repeated measures under variance heterogeneity and nonnormality. Paper presented at the 2007 meeting of the American Educational Research Association, Chicago, IL.
- Levy, R., & Hancock, G. R. (2006, May). A generalized framework of statistical tests for comparing mean and covariance structure models. Paper presented at the 2006 meeting of the Psychometric Society, Montréal, Canada.

Fan, W., & Hancock, G. R. (2006, April). The robustness of test statistics to nonnormality in assessing partial invariance. Paper presented at the 2006 meeting of the American Educational Research Association, San Francisco, CA.

Fan, W., & Hancock, G. R. (2006, April). Robust Means Modeling: an alternative to hypothesis testing in independent and repeated groups design for variance heterogeneity and non-normality. Paper presented at the 2006 meeting of the American Educational Research Association, San Francisco, CA.

Choi, J., Levy, R., & Hancock, G. R. (2006, April). A new Markov Chain Monte

presented at the 2005 meeting of the American Educational Research Association, Montréal, Canada.

Stapleton, L. M., & Hancock, G. R. (2005, April). Strategies for assessing latent mean differences with two-level data. Paper presented at the 2005 meeting of the American Educational Research Association, Montréal, Canada.

Choi, J., & Hancock, G. R. (2004, April). Latent growth modeling for logistic response functions. Paper presented at the 2004 meeting of the American Educational Research Association, San Diego, CA.

Fan, W., & Hancock, G. R. (2004, April). Impact of measurement model modifications on structural parameter integrity. Paper presented at the 2004 meeting of the American Educational Research Association, San Diego, CA.

Gagné, P. E., & Hancock, G. R. (2004, April). Generalized confirmatory factor mixture models: A tool for assessing factorial invariance across unspecified populations. Paper presented at the 2004 meeting of the American Educational Research Association, San Diego, CA.

Levy, R., & Hancock, G. R. (2004, April). A framework of statistical tests for competing nonnested covariance structure models. Paper presented at the 2004 meeting of the American Educational Research Association, San Diego, CA.

Mueller, R. O., & Hancock, G. R. (2004, April). Evaluating structural equation modeling studies: Some practical suggestions to manuscript reviewers. Paper presented at the 2004 meeting of the American Educational Research Association, San Diego, CA.

Hancock, G. R. (2003, April). Effect size, power, and sample size determination for repeated measure structured means models. Paper presented at the 2003 meeting of the American Educational Research Association, Chicago, IL.

Hancock, G. R., & Choi, J. (2003, April). The effect of shifting and stretching temporal metrics in linear latent growth models. Paper presented at the 2003 meeting of the American Educational Research Association, Chicago, IL.

Levy, R., & Hancock, G. R. (2003, April). A statistical test for comparing nonnested structural equation models. Paper presented at the 2003 meeting of the American Educational Research Association, Chicago, IL.

Mueller, R. O., & Hancock, G. R. (2003, April). Type VI error: Its relevance to structural equation modeling. Paper presented at the 2003 meeting of the American Educational Research Association, Chicago, IL.

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

Hancock, G. R.

meeting of the American Educational Research Association, New Orleans,

construct mean difference Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Hancock, G. R. (1997, April). A sequential Scheffé-based respecification procedure for controlling Type I error in exploratory structural equation model modification Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Hancock, G. R., & Klockars, A. J. (1996, April). Using Finite Intersection Tests to improve Shaffer's Modified Sequentially Rejective Bonferroni for all possible pairwise comparisons Paper presented at the meeting of the American Educational Research Association, New York, NY.

Klockars, A. J., & Hancock, G. R. (1996, April). Using Finite Intersection Test methodology to create an improved Scheffé procedure Paper presented at the meeting of the American Educational Research Association, New York, NY.

Lawrence, F. R., & Hancock, G. R. (1996, April). Conditions affecting integrity

contrasts Paper presented at the meeting of the American Educational Research Association, Atlanta, GA.

Blackorby, J., Hancock, G. R., & Siegel, S. (1993, April). Human capital and structural explanations of postschool success for youth with disabilities: A latent variable exploration of the National Longitudinal Transition Study Paper presented at the meeting of the American Educational Research Association, Atlanta, GA.

Shannon, D. M., Hancock, G. R., Twale, D. J., & Perry, C. N. (1993, February). Assessment of college teaching strategies: Using evaluation techniques to modify instruction Paper presented at the meeting of the Eastern Educational Research Association, Clearwater, FL. TD (Sax-.000., & 2 Siegel, S. tern66 .599

Klockars, A. J., & Hancock, G. R. (1990, April). Competing strategies for planned orthogonal comparison. Paper presented at the meeting of the American Educational Research Association, Boston, MA.

Clinton, B. L., & Hancock, G. R. (1990, February). The development of an understanding of empathetic messages. Paper presented at the meeting of the Western States Communication Association (Instructional Division, Competitive Papers), Sacramento, CA.

BOARDS AND OFFICES

Editorial Boards

Multivariate Behavioral Research

Editorial Board Member (2018 -)

Psychological Methods

Consulting Editor (2010 -)

AERA Educational Statisticians Quantitative Methods Book Series

Editorial Board Member (2002 -)

Structural Equation Modeling: A Multidisciplinary Journal

Editorial Board Member (August, 1998 -)

Structural Equation Modeling: A Multidisciplinary Journal

Associate Editor (January, 2010 – May, 2014)

Educational and Psychological Measurement

National Institutes of Health / National Institute of Child Health and Human Development
Biobehavioral and Behavioral Sciences (2011 - 2013)

National Science Foundation (ad hoc reviewer)
Methodology, Measurement and Statistics (2009 - present)

Spencer Foundation (ad hoc reviewer)
(2015)

Professional Offices

AERA Division D, Significant Contribution to Research Methodology Award Committee
member (2016-2018)

AERA Division D, Professional Mentoring Committee
chair (2004-2006)

AERA Division D, Nominating Committee
chair (2002-2004)

AERA Division D, Professional Mentoring Committee
member (2001-2004)

AERA Division D, Nominating Committee
member (2001-2002)

AERA Structural Equation Modeling Special Interest Group
President (1999-2000)

AERA Structural Equation Modeling Special Interest Group
President/Program Chair (1997-1999)

AERA Structural Equation Modeling Special Interest Group Newsletter
Acting editor (1997-1998)

AERA Educational Statisticians Special Interest Group Newsletter
Co-editor with C. Mitchell Dayton (1996-1998)

AWARDS AND HONORS

Scholarship Awards and Recognition

Rubin Scholar Award 2016
University of Copenhagen
Copenhagen, Denmark

Distinguished Service Award 2015
Structural Equation Modeling Special Interest Group

American Educational Research Association	
<u>Fellow</u>	2014
American Psychological Association	
<u>Fellow</u>	2014
Association for Psychological Science	
<u>Member</u>	2014

<u>Brandi Weiss</u> University of Maryland Graduate School Ann G. Wylie Dissertation Fellowship recipient	2009-10
<u>Xiaodong Hou</u> ACT Summer Internship recipient (award declined due to health)	Summer 2009
<u>Jennifer Koran</u> Educational Testing Service Harold Gulliksen Psychometric Fellowship recipient	2008-09
<u>Jennifer Koran</u> Spencer Foundation Dissertation Fellowship Award recipient (award declined to accept other award)	2008-09
<u>Jennifer Koran</u> American Educational Research Association Dissertation Fellowship Award recipient (award declined to accept other award)	2008-09
<u>Heather Mann</u> University of Maryland Graduate School Ann G. Wylie Dissertation Fellowship recipient	2008-09
<u>Heather Mann</u> Educational Testing Service Summer Internship recipient	Summer 2008
<u>Jaehwa Choi</u> University of Maryland Graduate School Dissertation Fellowship recipient	2005-06
<u>Roy Levy</u> (not my formal advisee, but I mentored him) Educational Testing Service Harold Gulliksen Psychometric Fellowship recipient	2005-06
<u>Phillip E. Gagné</u> Educational Testing Service Harold Gulliksen Psychometric Fellowship recipient	2003-04
<u>Jonathan Nevitt</u> American Educational Research Association Division D Mary Catherine Ellwein Outstanding Quantitative Dissertation Award	2001
<u>Laura M. Stapleton</u> Educational Testing Service Harold Gulliksen Psychometric Fellowship recipient	2000-01
<u>Mara J. Freeman</u> Educational Testing Service Summer Internship recipient	Summer 2001
<u>Ilona Arnold-Berkovits</u> Educational Testing Service Harold Gulliksen Psychometric Fellowship recipient	1999-2000

Select Advisee Academic/Professional Placements

Yong Luo (Ph.D. advisee)
Psychometrician
Prometric

Nidhi Kohli (Ph.D. advisee)

Associate Professor
University of Minnesota

Xiaodong Hou (Ph.D. advisee)

Statistician/Econometrician
American Institutes of Research

Min Liu (Ph.D. advisee)

Assistant Professor
University of Hawaii at Manoa
Department of Educational Psychology

Hsiu-Fei Wang (Ph.D. advisee)

Assistant Professor
National Sun Yat-sen University
Institute of Education and the Center for Teacher Education

Brandi Weiss (Ph.D. advisee)

Assistant Professor
The George Washington University
Department of Educational Leadership

Rochelle Tractenberg (Ph.D. advisee)

Associate Professor
Georgetown University Medical Center
Biostatistics, Bioinformatics & Biomathematics

Heather Mann (Ph.D. advisee)

Associate Research Scientist
Educational Testing Service
ETS Research & Development Division
ETS Center for Validity Research

Jennifer Koran (Ph.D. advisee)

Assistant Professor
Southern Illinois University
Department of Educational Psychology and Special Education

Laura Stapleton (Ph.D. advisee)

Professor
University of Maryland
Department of Human Development and Quantitative Methodology

Jennifer Hamilton (Ph.D. advisee)

Senior Study Director
WESTAT

Phill Gagné (Ph.D. advisee)

Program Officer

Institute of Education Sciences

Jaehwa Choi (Ph.D. advisee)
Associate Professor
The George Washington University
Department of Educational Leadership

Weihua Fan (Ph.D. advisee)
Associate Professor
University of Houston
Department of Educational Psychology

Iлона Arnold-Berkovits (Ph.D. advisee)
Senior Psychometrician
CTB McGraw-Hill

Jeffrey A. Greene (M.A. advisee)
Associate Professor
University of North Carolina, Chapel Hill
Department of Educational Psychology

Michelle Buehl (M.A. advisee)
Associate Professor
George Mason University
Department of Educational Psychology

A PARTIAL LIST OF LOCATIONS OF
INVITED LECTURES AND WORKSHOPS

Agencies and Organizations

American Educational Research Association (multiple)
Association for Psychological Science (multiple)
Center for Advanced Study of Language (multiple)
Child Trends (multiple)
Educational Testing Service (multiple)
Florida Educational Research Association
Graduate Management Admission Council
International Society for Traumatic Stress Studies
JBS International
National Center for Education Statistics (multiple)

Villanova University

Virginia Commonwealth University (multiple)

Washington State University

Wayne State University