

VITA OF ROBERT W. LISSITZ, Professor of Education, Department of Measurement, Statistics, and Evaluation (now Program in Human Development and Quantitative Methodology), College of Education, University of Maryland, College Park, MD 20742

## **PERSONAL DATA**

Address: 32 G, Queen Anne Way, Chester, Maryland 21619  
Telephone: Work (301) 405-3620 Home (301) 602 – 4123  
Fax (301) 314-9245 e-mail RLISSITZ@UMD.EDU  
Date of Birth: September 29, 1941  
Place of Birth: Chicago, Illinois  
Marital Status: Married, three children

## **ACADEMIC BACKGROUND**

### ***Degrees:***

Ph.D. Statistics and Measurement Theory, Psychology Department, Syracuse University, Syracuse, NY, 1969

Title of Dissertation: Testing assumptions of Markov chains: Empirical and theoretical distributions under the alternative hypotheses

B.A. Psychology, Northwestern University, Evanston, IL, 1963

### ***Additional formal training:***

9/69 to 8/70 N.I.H. Post-doctoral Fellow. One year of further study in statistics and measurement, University of North Carolina, Psychometric Laboratory, Chapel Hill, North Carolina

### ***Honors and citations:***

Award for Outstanding Contribution to the International Conference on Educational Evaluation from the Center for Research on Educational Evaluation and Development, 2006, Taiwan.

Recognition of contribution to the Maryland Assessment Group, 2005, Ocean City, Maryland.

Dissertation advisor for Yuan Li, who won Honorable Mention for the Brenda H. Loyd Outstanding Dissertation Award, from the National Council on Measurement in Education, 1999

Certificate of Recognition from Towson State University, 1995, Towson, Maryland  
Included in American Men and Women in Science

National Mathematics Honorary--Pi Mu Epsilon

National Education Honorary--Phi Delta Kappa

Department won the Academic Unit Minority Achievement Award for 1993-1994

**PROFESSIONAL WORK EXPERIENCE**

- 9/2015            Professor Emeritus
- 8/78 – 5/04      Professor of Education and Psychology and Chairperson of the Department of Measurement, Statistics, and Evaluation, College of Education, University of Maryland, College Park, MD
- 6/2000 --        Director of the Maryland Assessment Research Center (MARC), formerly the Maryland Assessment Research Center for Education Success (MARCES)
- 1/94 to 1999     Interim Associate Dean of the College of Education (for Dean Hawley)
- 7/91 to 8/95     Director of the Maryland Assessment Resource Center, located on the College Park Campus
- 9/74 to 8/78     Associate Professor, Department of Psychology, University of Georgia, Athens, GA
- 9/70 to 9/74     Assistant Professor, Department of Psychology, University of Georgia, Athens, GA
- 9/68 to 9/69     Lecturer, teaching introductory statistics, and test design for undergraduate and graduate students, Syracuse University, Syracuse, NY
- 9/65 to 8/68     Teaching Assistant, taught the above two courses, Syracuse University, Syracuse, NY
- 6/63 to 6/65     Research Assistant, University of Illinois, Medical Center, Department of Psychiatry, Chicago, IL
- 9/62 to 6/63     Research Assistant, Administered materials to subjects in experiments, Northwestern University

**OTHER WORK EXPERIENCE**

- 6/68 to 9/69     Head of Special Projects Evaluation Department. Designed and coordinated all research evaluation pertaining to federal and state grants. Syracuse City Schools, Syracuse, NY
- 10/64 to 6/65     Statistician, Civil Service, worked on a variety of research with Dr. Ken Howard, Institute for Juvenile Research, Chicago, IL

## PUBLICATIONS

### Blog:

<http://slightlyskewedbob.blogspot.com>

### Books:

Jiao, H. & Lissitz, R. W. (Editors, in press for 2017.). Technology enhanced innovative assessment: Development, modeling, and scoring from an interdisciplinary perspective. Information Age Publishing.

Jiao, H and Lissitz, R. W. (Editors, 2015) *The Next Generation of Testing: Common Core Standards, Smarter-Balanced, PARCC, and the Nationwide Testing Movement*, Information Age Publishing, Inc.

Lissitz, R. W. and Jiao, H. (Editors, 2014) *Value Added Modeling and Growth modeling with particular application to teacher and school Effectiveness*, Charlotte: Information Age Publishing, Inc.

Lissitz, R. W. (Editor, 2013) *Informing the Practice of Teaching Using Formative and Interim Assessment: A Systems Approach*. Charlotte: Information Age Publishing, Inc.

Lissitz, R. W. and Jiao, H. (Editors, 2012) Computers and Their Impact on State Assessment: Recent History and Predictions for the Future. Charlotte: Information Age Publishing, Inc.

Lissitz, R. W. (Editor, 2010) The Concept of Validity: Revisions, New Directions and Applications. Charlotte: Information Age Publishing, Inc.

Schafer, W. & Lissitz, R.W. (Editors, 2009) Assessment for Alternate Achievement Standards: Current Practices and Future Directions. Baltimore: Brooks Publishing.

Lissitz, R. W. (Editor, 2007) Assessing and Modeling Cognitive Development in School: Intellectual Growth and Standard Setting, Maple Grove: JAM press.

Lissitz, R. W. (Editor, 2006) Longitudinal and Value Added Modeling of Student Performance, Maple Grove: JAM Press.

Lissitz, R. W. (Editor, 2005) Value Added Models in Education: Theory and Applications, Maple Grove: JAM Press.

Lissitz, R. W. and Schafer W. D. (Editors, 2002) Assessment in Educational Reform: Both Means and Ends. Allyn and Bacon

***Journal articles and Book chapters:*** (\* designates refereed; + designates invited)

- \*Luo, Y., **Jiao, H.**, & Lissitz, R. W. (2015). An empirical study of the impact of the choice of persistence model in value-added modeling upon teacher effect estimates. In L. A. van der Ark, D. Bolt, W. C. Wang, J. A. Douglas & S.-M. Chow (Eds.), *Quantitative psychology research* (pp.133-143). Springer, Switzerland.
- +Jiao, H. & Lissitz, R. W. (2014) Direct modeling of student growth with multilevel and mixture extensions. In *Value Added Modeling and Growth Modeling with Particular Application to Teacher and School Effectiveness*. Lissitz, R. W. and Jiao, H. (Eds), Information Age Publishing, Inc.
- \*Schafer, W. D., Lissitz, R. W., Zhu, X., Zhang, Y., Li, Y (2012) Evaluating teachers and schools using student growth models. [PAREONLINE.net/pdf/v17n17.pdf](http://PAREONLINE.net/pdf/v17n17.pdf)
- \*Li, Y., Jiao, H., & Lissitz, R.W. (2012). Applying Multidimensional Item Response Theory Models in Validating Test Dimensionality: An Example of K-12 Large-scale Science Assessment. *Journal of Applied Testing Technology*, vol. 13, n2.
- +Lissitz, R. W. & Caliço, T. (2012) Validity is an action verb: Commentary on: Clarifying the consensus definition of validity. *Journal of Measurement: Interdisciplinary Research and Perspectives*, Vol. 10 (1).
- +Jiao, H. & Lissitz, R. W. (2012). Computer-Based Testing in K-12 State Assessments. In: Computers and Their Impact on State Assessment: Recent History and Predictions for the Future. Jiao, H. & Lissitz, R. W. (Eds). Charlotte: Information Age Publishing, Inc.
- \*Lissitz, R. W., Hou, X., & Slater, S. (2012) The contribution of constructed response items to large scale assessment: meaning and understanding their impact. *Journal of Applied Testing Technology*, vol. 13, n3, 1-52.
- \*Li, Y. & Lissitz, R. W. (2012) Exploring the full-information bi-factor model in vertical scaling with construct shift. *Applied Psychological Measurement*, vol 36, no. 1 3-20.
- \*Lissitz, R. W. (2012) Standard setting: Past, present and perhaps the future. In: Improving Large Scale Education Assessment: Theory, Issues and Practice. Ercikan, K, Simon, M, and Rousseau, M (Eds). Taylor and Francis/Routledge.
- \*Lissitz, R. W. & Li, F. F. (2011) Standard Setting in Complex Performance Assessments: An Approach Aligned with Cognitive Diagnostic Models. Psychological Test and Assessment Modeling. Vol. 53 (4), 461-485.
- \*Jiao, H., Lissitz, R. W. Macready, G., Wang, S. & Liang, S. (2011) Comparing the use of Mixture Rasch Modeling and Judgmental Procedures for Standard Setting. Psychological Test and Assessment Modeling. Vol. 53 (4), 499-522.
- \*Fan, W. & Lissitz, R. W. (2010). A multilevel analysis of students and schools on high

school graduation exam: A case of Maryland. International Journal of Applied Educational Studies, 9(1), 1-18.

- \*Lissitz, R. W. & Wei, Hua (2008) Consistency of Standard Setting in an Augmented State Testing System. Educational Measurement: Issues and Practice, 27, 2, 46-56.
- Li, F. F, Patellis, T., and Lissitz, R. W. (2008) Rigorous Curriculum and SAT. Conference Proceedings of the NERA meeting.
- \*Lissitz, R. W. & Samuelsen, K. (2007) A Suggested Change in Terminology and Emphasis Regarding Validity and Education. Educational Researcher, 36, 437-448.
- \*Lissitz, R. W. & Samuelsen, K (2007) Further Clarification Regarding Validity and Education. Educational Researcher, 36, 482-484.
- Lissitz, R. W., Doran, H., Schafer, W. D. and Willhoft, J. (2006) Growth Modeling, Value Added Modeling and Linking: An Introduction. Chapter in Lissitz, R. W. (Editor) Longitudinal and Value Added Modeling of Student Performance, 2006.
- \*Walston, J, Lissitz, R. W. & Rudner, L (2006) The Influence of Web-based Questionnaire Presentation Variations on Survey Cooperation and Perceptions of Survey Quality. The Journal of Official Statistics, vol. 22, no. 2, 271-291.
- \*Schafer, W.D., Gagne, P. and Lissitz, R. W. (2005) Resistance to Confounding Style and Content in Scoring Constructed Response Items. Educational Measurement: Issues and Practice.
- \*Li, Yuan and Lissitz, R. W. (2004) Applications of the Analytically Derived Asymptotic Standard Errors of IRT Item Parameter Estimates. Journal of Educational Measurement, 41, no.2, 85-118.
- +Lissitz, R. W. and Huynh HUYNH (2003) Vertical Equating for State Assessments: Issues and Solutions in Determination of Adequate Yearly Progress and School Accountability". Practical Assessment Research and Evaluation.
- \*Walston, J. and Lissitz, R. W. (2000) Computer Mediated Focus Groups. Evaluation Review, 24, 457-483.
- \*Li, Y. & Lissitz, R. W. (2000) An Evaluation of Multidimensional IRT Equating Methods by Assessing the Accuracy of Transforming Parameters onto a Target Test Metric. Applied Psychological Measurement, 24(2), 115-138.
- \*Von Secker, C. and Lissitz, R. W. (1999) Estimating the impact of instructional practices on student achievement in science. Journal of Research on Science Teaching. Vol. 36, NO. 10, 1110-1126
- +Lissitz, R. W. (1997) State Wide Performance Assessment: Continuity, Context and

Concerns. Contemporary Education, 69,1,15-19.

- \*Lissitz, R. W. & Wainer-Yaffe, M. (1996) On The MARC: The Efforts, Obstacles, and Successes of the Maryland Assessment Resource Center. Assessment Update, 8 (3), 10-11.
- \*Lissitz, R. W. & Bourque, M. L. (1995) Reporting NAEP Results Using Standards. Educational Measurement: Issues and Practice, 14 (2), 14 - 23, 31.
- +Lissitz, R. W. & Schafer, W. D. (1993) Policy-driven assessment: An old phenomenon with new wrinkles. Measurement and Evaluation in Counseling and Development, 26 (1), 3-5.
- +Lissitz, R. W. & Schafer, W. D. (1993) Mandatory Testing: Issues in Policy-Driven Assessment. Co-editor of special issue for Measurement and Evaluation in Counseling and Development, Volume 26, number 1, April.
- \*Skaggs, G. & Lissitz, R. W. (1992) The consistency of detecting item bias across independent samples: Implications of another failure. Journal of Educational Measurement, 29, 227-242.
- +\*Lissitz, R. W. (1989) Reviewer of two tests for the Buros Mental Measurements Yearbook.
- +\*Lissitz, R. W. (1988) Review of Exploring Data Tables, Trends, and Shapes by Hoaglin, Mosteller, and Tukey. Journal of Educational Statistics.
- \*Skaggs, G. & Lissitz, R. W. (1988) The effect of examinee ability on test equating invariance. Applied Psychological Measurement, 12, 69-82.
- \*Schafer, W. D., & Lissitz, R. W. (1987) Measurement training for school personnel: recommendations and reality. Journal of Teacher Education, 38, 57-63.
- \*Skaggs, G. & Lissitz, R. W. (1986) An exploration of the robustness of four test equating models. Applied Psychological Measurement, 10, 303-317.
- \*Skaggs, G. & Lissitz, R. W. (1986) IRT test equating: Relevant issues and a review of recent research. Review of Educational Research, 56, 495-529.
- \*Kaunitz, N., Spokane, A., Lissitz, R. W., & Strein, W. O. (1986) Stress in Student Teachers: A Multidimensional Scaling Analysis of Elicited Stressful Situations. Teaching and Teacher Education, 2, 169-180.
- +Lissitz, R. W. (1986) Description of educational measurement and evaluation. Peterson's Guides, New Jersey.
- \*Lissitz, R. W. & Willhoft, J. (1985) A methodological study of Torrance tests of creativity, Journal of Educational Measurement, 22, 1-12.

- +\*Guthrie, J. T. & Lissitz, R. W. (1985) A framework for assessment-based decision making in reading education. Educational Measurement Issues and Practices, 22, 1-12.
- \*Lissitz, R. W. (1985) Effects of using a microcomputer system for field audits and other investigations of the Offices of Inspectors General. Evaluation Network, 6, 55-58 .
- +\*Lissitz, R. W. (1982) Review of Bias in Mental Testing by Jensen, Educational Researcher, 11, 25-27.
- +\*Lissitz, R. W. (1982) Review of Strategies and Tactics of Human Behavioral Research by Johnston & Pennypacker, Contemporary Psychology, 27, 34-35.
- Lissitz, R. W. (1981) In defense of standardized tests. Editorial in Chronicle of Higher Education.
- \*Lissitz, R. W., Mendoza, J., Huberty, C., & Markos, V. (1979) Some further ideas on a methodology for determining job similarities/differences. Journal of Personnel Psychology, 32, 517-528.
- \*Lissitz, R. W. (1979) A note on the seriousness of psychology to psychologists: A semi-serious commentary. Journal of the American Psychologist, 34, 193-194.
- \*Green, S. B., Lissitz, R. W. & Mulaik, S. (1977) Limitations of coefficient alpha as an index of test unidimensionality. Journal of Educational and Psychological Measurement, 37, 827-839.
- \*Lissitz, R. W. & Robinson, E. (1977) An examination of some factors related to using different Minkowski models in non-metric multidimensional scaling. Journal of Multivariate Behavioral Research, 12, 69-73.
- \*Robinson, E. & Lissitz, R. W. (1977) The approximation of a group stimulus space by averaging responses to selected subsets of the stimuli. Psychometrika, 42, 447-450.
- +Lissitz, R. W., Schonemann, P. H., & Lingoies, J. C. (1977) A solution to the weighted procrustes problem in which the transformation is in agreement with the loss function. In Lingoies, J.C. (editor), Geometrical Representations of Relational Data: Readings in Multidimensional Scaling. Ann Arbor: Mathesis Press.
- \*Lissitz, R. W., Schonemann, P. H. & Lingoies, J. C. (1976) A solution to the weighted procrustes problem in which the transformation is in agreement with the loss function. Psychometrika, 41, 547-550.
- \*Lissitz, R. W., & Green, S. B. (1975) The effect of the number of scale points on reliability: A Monte Carlo approach. The Journal of Applied Psychology, 60, 10-13.
- \*Lissitz, R. W. & Chardos, S. (1975) A study of the effect of the violation of the assumption of independent sampling upon the type I error rate of the two group t-test. Educational

and Psychological Measurement, 35, 353-359.

- \*Field, H. S., Lissitz, R. W. & Schoenfeldt, L. F. (1975) The utility of homogeneous subgroups and individual information in prediction. Journal of Multivariate Behavioral Research, 10, 449-462.
- \*Lissitz, R. W. & Schoenfeldt, L. F. (1974) Moderator Subgroups for the estimation of educational performance: A comparison of prediction models. American Educational Research Journal, 11, 63-75.
- \*Mason, C. H., Kossack, C. F., & Lissitz, R. W. (1974) A generalized classification technique using interval, ordinal, and nominal variables. Journal of Multivariate Behavioral Research, 9, 105-118.
- \*Schoenfeldt, L. F. & Lissitz, R. W. (1974) Moderator subgroups and Bayesian m-group regression: Some further comments. American Educational Research Journal, 11, 87-90.
- Tesser, A. & Lissitz, R. W. (1974) On an assumption underlying the use of homogeneous subgroups for prediction. Catalogue of selected Documents in Psychology.
- \*Lissitz, R. W. (1972) Comparison of the small sample power of the chi-square and likelihood ratio tests for stochastic models. Journal of the American Statistical Association, 67, 574-577.
- \*Lissitz, R. W. & Mason, C. H. (1972) The selection of independent variables and prior probabilities as a factor influencing the accuracy of classifying individuals to existing groups. Journal of Multivariate Behavioral Research, 7, 489-498.
- +Lissitz, R. W. & Stokes, S. (1972) Some comments on basic statistics and measurement philosophy. Proceedings, AKD National Sociology Honorary.
- \*Rapoport, A., Lissitz, R. W. & McAllister, H. A. (1972) Search behavior with and without optional stopping. Journal of Organizational Behavior and Human Performance, 7, 1-17.
- \*Halperin, S. & Lissitz, R. W. (1971) Statistical properties of Markov chains: A computer program. Behavioral Science, 16, 244-247. (Later purchased by a company for course use.)
- \*Lissitz, R. W. & Halperin, S. (1971) A computer program for estimating the power of tests and assumptions of Markov chains. Educational and Psychological Measurement, 31, 287-291.
- Schoenfeldt, L. F. & Lissitz, R. W. (1971) A Bayesian framework for the application of moderator variables. Catalogue of Selected Documents in Psychology.
- \*Lissitz, R. W. (1970) Stone's "Psychophysical Scaling Applications with Clinical and Educational Concerns." Journal of Educational and Psychological Measurement, 30,



764-767.

\*Lissitz, R. W. & Cohen, S. (1970) A brief description and evaluation of the Syracuse Oral Language Development Program. The Reading Teacher, 24, 47-50.

\*Lissitz, R. W. (1969) A longitudinal study of the research methodology in the Journal of Abnormal and Social Psychology, The Journal of Nervous and Mental Disease, and The American Journal of Psychiatry. Journal of the History of Behavior Sciences, 5, 248-255.

\*Howard, K. I., & Lissitz, R. W. (1966) To err is inhuman: Effects of a computer characteristic. Educational and Psychological Measurement, 26, 199-203.

## PROFESSIONAL PRESENTATIONS

### *National/International:*

\*Li, C., Jiao, H., & Lissitz, R. W. (2016, July). Comparing pattern scoring with number-correct scoring in mixed-format tests. Paper presented at the International Meeting of Psychometric Society, Asheville, NC.

\*Jiao, H., Zou, J., Liao, D., Li, C., & Lissitz, R. W. (2016, April). A comparison of methods to link a state test to the PARCC consortium test. Paper presented at the Annual Meeting of the National Council on Measurement in Education, Washington, DC

\*Liao, D., Jiao, H., & Lissitz R. W. (2016). *A conditional IRT model for directional local item dependency in multipart items*. Paper to be presented at the 2016 annual meeting of the National Council on Measurement in Education, Washington, DC

\*Jiao, H., Dogan, E., & Lissitz, R. W. (2015). Modeling local item dependence in multipart items using item splitting. Paper presented at the Annual Meeting of the National Council on Measurement in Education, Chicago, Illinois.

\*Li, M., Li, T., Jiao, H. & Lissitz, R. (2014). Handling missing data in value added models: An empirical study. NCME,

\*Li, T., Li, M., Jiao, H., & Lissitz, R. (2014). Bias in multilevel IRT estimation of teacher effectiveness. NCME.

\*Luo, Yong, Jiao, Hong, & Lissitz, R. W. (2014) An empirical study of the impact of the choice of persistence model in value added modeling upon teacher effect estimates. Psychometric Society.

\*Li, Tongyun, Li, Ming, Jiao, Hong, & Lissitz, R. W. (2014) Bias and Consistency of multilevel IRT estimation of teacher effectiveness. NCME, Philadelphia.

\*Li, Ming, Li, Tongyun & Lissitz, R. W. (2014) Handling missing data in value-added models – An empirical study. NCME, Philadelphia

\*Li, Y, Lissitz, R. W. & Schafer, W. S. (2013) A framework for collecting consequential evidence of validity for K-12 testing programs. AERA, San Francisco.

+Lissitz, R. W. (2012) The evaluation of teacher and school effectiveness using growth models and value added models: Hope versus reality. AERA, Division H invited address.

\*Li, Y. & Lissitz, R. W. (2012) Exploring the full-information bi-factor model in vertical scaling with construct shift. NCME.

Lissitz, R. W. (Chairperson, 2011) Computerized adaptive tests for classification: Algorithms and applications. Symposium at New Orleans.

\*Lissitz, R. W. ,Hou, X., & Slater, S. C. (2011) The contribution of constructed response items to large scale assessment. Presented to NCME in New Orleans.

\*Jiao, H., Lissitz, R.W., & Li, Y (2011) Constructing a Common Scale in a Testing Program to Model Growth: Joint Consideration of Vertical Scaling and Horizontal Equating. AERA conference in New Orleans.

\*Lissitz, R. W., Xiaodong, X, & Slater, S. C. (2011) The Contribution of constructed response items to large scale assessment: Measuring and understanding their impact. NCME conference in New Orleans.

\*Li, Y., Jiao, H. & Lissitz, R. W. (2010) Providing validity evidence for fair use in international testing: A confirmatory factor analysis approach. 7<sup>th</sup> Conference of the International Test Commission, Hong Kong.

\*Lissitz, R. W. & Li, F. F. (2010) Standard Setting in Complex Performance Assessments: An Approach Aligned with Cognitive Diagnostic Models., NCME conference in Denver.

\*Lin, P. & Lissitz, R. W. (2010) The impact of calibration decision on developing a multidimensional vertical scale. Denver, NCME.

\*Jiao, H., Lissitz, R. W. Macready, G., Wang, S. (2010) Comparing the use of Mixture Rasch Modeling and Judgmental Procedures for Standard Setting. NCME conference in Denver.

\*Cao, Y. & Lissitz, R. W. (2009) Mixed-format test equating: Effects of test dimensionality and common-item sets. San Diego, NCME

\*Lissitz, R. W. & Wei, H. (2007) Consistency of standard setting in an augmented state testing system. NCME, Chicago.

\*Lin, P, Wei, H. & Lissitz, R. W. (2007) Equivalent test structure across grades: A comparison of methods using empirical data. In symposium On Measuring change and

growth when the measure itself changes over time: Measurement and methodological issues. AERA, Chicago.

- \*Lissitz, R. W. & Kroopnick, M. (2007) An adaptive procedure for standard setting and a comparison with traditional approaches. NCME, Chicago.
- +Lissitz, R. W. (2006) The Maryland Assessment Research Center for Education Success (MARCES): Standard Setting and Assessment of Student Growth in Achievement. International Conference on Educational Evaluation, National Taiwan Normal University.
- +Lissitz, R. W. (2006) discussant at Evaluating Assumptions in Score Interpretation, NCME, San Francisco.
- +Lissitz, R. W. (2006) discussant at Value-Added Models: Issues and Possibilities, AERA, San Francisco.
- +Lissitz, R. W. (2006) discussant at Hierarchical Linear Models: Misspecification, Methods Issues and Missingness. AERA, San Francisco.
- \*Lissitz, R. W., Fan, Wei Hua, Alban, T., Hislop, B., Strader, D., Wood, C., and Perakis, S. (2006) The prediction of Performance on the Maryland High School Graduation Exam: Magnitude, Modeling and Reliability of Results. NCME, San Francisco.
- +Mulvenon, S., Zumbo, B.D., Stegman, C., and Lissitz, R.W. (2006) Improving educational data, statistical models, and assessment designs for NCLB: The role of educational statisticians. Invited symposium for AERA, SIG/ES.
- \*Corliss, Tia, and Lissitz, R. W. (2005) An empirical history of focus group studies in education and psychology from 1979 to 2003. NCME, Montreal.
- +Lissitz, R.W. (2004) discussant at session titled Vertically Moderated Standards: Assumptions, Case Studies, and Applications to School Accountability and NCLB Adequate Yearly Progress—Invited Symposium at NCME.
- \*Gagne, P., Lissitz, R. W. and Schafer, W. (2003) The effect of confounding writing style with writing content in constructed-response items. NCME, Chicago.
- \*Alban, Terry, Lissitz, R. W. and Croninger, R. (2003) Holding Schools and Teachers Accountable: A Comparison of Analytic Approaches and their Implications for Policy. AERA, Chicago.
- \*Koenig, J and Lissitz, R. W. (2001) The Effects of Centering Method on Parameter Estimates and Variance Explained in Multilevel Models. AERA, Seattle.
- \*Von Secker, C. and Lissitz, R. W. (2001) Using Hierarchical Linear Growth Models to Evaluate Protective Mechanisms that Mediate Science Achievement. AERA, Seattle

- \*Walston, J, Lissitz, R. W. and Rudner, L (2001) The influence of Web-based Questionnaire Presentation Variations on Survey Cooperation and Survey Responses. AERA, Seattle
- \*Li, Yuan and Lissitz, Robert W. (2000) Applications of the Asymptotic Standard Errors of IRT Parameter Estimates. AERA division D, New Orleans
- + Lissitz, Robert. W. (2000) Topics in Educational Statistics. Discussant at AERA SIG/ES, New Orleans
- \* Fein, Melissa, and Lissitz, Robert W. (2000) Comparison of HLM and MlwiN Multilevel Analysis Software Packages: A Monte Carlo Investigation into the Quality of Estimates. AERA, New Orleans
- +Lissitz, R. W. (1999) Chaired a session titled Analytical Techniques for Standardized Test Data. AERA, Montreal
- \*Walston, J. and Lissitz, R. W. (1999) Computer-Mediated Focus Groups. AERA, Montreal
- \*Li, Yuan, Lissitz, R. W. and Yang, Yu Nu (1999) Estimating IRT Equating Coefficients for Tests with Polytomous and Dichotomous Scored Items. NCME, Montreal
- \*Stapleton, L and Lissitz, R. W. (1999) Examining Faculty Pay Equity Using Hierarchical Linear Modeling. AERA, Montreal.
- +Lissitz, R. W. (1998) Discussant to session titled “Applications of Modeling in Decision-Making”, AERA in San Diego.
- +Lissitz, R. W. (1998) Discussant to Session titled “Procedures for Assessing the Dimensionality of Item Response Data”, NCME in San Diego.
- \*Von Secker, C. and Lissitz, R. W. (1998) Estimating the Impact of Instructional Practices on Student Achievement in Science. AERA in San Diego
- \*Li, Y. and Lissitz, R. W. (1998) An Evaluation of Multidimensional IRT Equating Methods by Assessing the Accuracy of Transforming Parameters onto a Target Metric. NCME in San Diego.
- +Lissitz, R. W. (1998) Presented a three day workshop to the University of West Indies, Barbados campus, on selected topics in the program evaluation area and advised on the development of their M. Sc. in Management and Evaluation.
- +Lissitz, R. W. (1997) Key-note address to the Project Directors’ Conference of those funded by the Department of Agriculture in several of their grants programs. The talk was titled Selection of Outcome Measures and Formulation of Evaluation Strategies.
- \*Isman, S., De Ayala, R., and Lissitz, R. W. (1997) Judgmental Item Difficulty Parameter Estimates for Item Response Theory Applications. NCME, Chicago, Ill.

- \*Von Secker, C. and Lissitz, R. W. (1997) Estimating School Value-Added Effectiveness: Consequences of Respecification of Hierarchical Linear Models. AERA, Chicago, Ill.
- +Lissitz, R. W., et. al. (1997) Item and Test Disclosure for Computerized Adaptive Tests: A Discussion of Legislation, Research, Policy, and Practice. Served as chair and presented a paper at NCME invited symposium, Chicago, Ill.
- +Lissitz, R. W. (1996) The Application of Program Evaluation to Federal Projects. Invited address to the Office of Science Education, branch of the National Institutes of Health. Presentation took place in D. C.
- \*Lissitz, R. W. and Wainer-Yaffe, M. (1996) Efforts to Encourage Assessment at Two and Four Year Higher Education Institutions: Overcoming the Obstacles. The American Association for Higher Education Assessment Conference, Washington, D. C.
- \*Skaggs, G & Lissitz, R. W. (1995) A Comparison of Strategies for Equating Single Prompt Writing Assessments. NCME presentation.
- +Lissitz, R. W. (1994) Alternative Assessment Formats. Discussant at NCME.
- +Lissitz, R. W. (1994) Cluster and Discriminant Analysis. Chaired session at AERA.
- +Lissitz, R. W. (1994) Issues in Interpreting Regression and Related Methods. Chaired session at AERA.
- \*Lissitz, R. W. (1994) A Longitudinal Multiple Indicators Assessment of an Interdistrict Transfer Program and Some Implications for Multicultural Education. NCME
- \*Lissitz, R. W. and Uchitelle, S. (1993) Assessment of Student Performance and Attitude for the St. Louis Metropolitan Area Court Ordered Desegregation Effort. NCME
- +Lissitz, R. W. (1992) Parameter Estimation Using Item Response Theory. Chaired session at NCME.
- +Lissitz, R. W. (1992) Correlation and Regression. Chaired session at AERA.
- \*Walker-Bartnick, L., Lissitz, R. W., & DeAyala, R. (1991) Investigation of item parameter invariance in the Partial Credit Model. Presented at the International Psychometric Society meetings in Trier, Germany.
- +Lissitz, R. W. (1991) Chaired session titled Power Considerations in Data Analysis for AERA Special Interest Group of Educational Statisticians.
- +Lissitz, R.W. (1990) Chaired the open session for Special Interest Groups for AERA.
- +Skaggs, G. & Lissitz, R.W. (1990) Equating NAEP with State, Local, Commercial, or International Assessments, presentation to the Council of Chief State School Officers, Washington, D.C.

- +Lissitz, R. W. (1990) Asked to present personal reactions to NAEP long range plan at the National Assessment of Educational Progress open hearings, Washington, D.C.
- +Lissitz, R.W. (1990) Issues in the analysis of repeated measures data, AERA, Chair of session.
- +Lissitz, R. W. (1989) Member of panel of the meetings on Special Interest Groups in the American Educational Research Association, San Francisco.
- +Lissitz, R. W. (1989) Member of panel on Teaching Assessment Skills to Teachers, NCME, San Francisco.
- +Lissitz, R. W. (1989) Discussant: Constructing scale scores that facilitate score interpretation. National Council on Measurement in Education.
- +Lissitz, R. W. (1988) A survey of measurement and statistics topics of current interest in the United States. Beijing Normal University, Psychology Department.
- +Lissitz, R. W. (1988) Teaching measurement to teachers in the United States. Beijing Normal University.
- +Lissitz, R. W. (1988) Teaching measurement to teachers in the United States. Shanghai Normal University.
- \*Skaggs, G. & Lissitz, R. W. (1988) Consistency of selected item bias indices: implications of another failure. American Educational Research Association.
- +Lissitz, R. W. (1988) Chairperson of session: Data sets for statistics instruction. American Educational Research Association.
- \*Schafer, W. D. & Lissitz, R. W. (1988) The current status of teacher training in measurement. National Council on Measurement in Education.
- \*Batcher, M. & Lissitz, R. W. (1987) An unrestricted maximum likelihood multidimensional scaling procedure. Psychometric Society.
- +Lissitz, R. W. (1987) Working with the Ability to Benefit Student. National Association of Trade and Technical Schools.
- +Lissitz, R. W. (1986) Chairperson of session: Issues in Standard Setting. National Council on Measurement in Education.
- \*Lissitz, R. W. & Schafer, W. D. (1986) Measurement Training for School Personnel: Recommendations and Reality. National Council on Measurement in Education.
- \*Skaggs, G. & Lissitz, R. W. (1986) The effect of examinee ability on test equating invariance. American Educational Research Association.

- +Lissitz, R. W. (1985) Chairperson of session: Teaching statistics. American Educational Research Association.
- \*Skaggs, G. & Lissitz, R. W. (1985) An exploration of the robustness of four test equating models. American Educational Research Association.
- +Lissitz, R. W. (1984) Chairperson of session: Multiple regression and canonical correlation analysis. American Educational Research Association.
- +Lissitz, R. W. (1984) Discussant: Identification of underlying test structures, American Educational Research Association, 1984, discussant.
- +Lissitz, R. W. (1983) Discussant in symposium titled: Discovering the underlying structure of test data--A comparison of methods. American Educational Research Association.
- +Lissitz, R. W. (1983) Chair of talk by James O. Ramsay at American Educational Research Association.
- \*Bartnick, L., Lissitz, R. W., Kappelman & Mason. (1983) An actuarial model for selecting participants for a special medical education program. National Council on Measurement in Education.
- \*Skaggs, G. & Lissitz, R. W. (1982) Test equating: Relevant issues and a review of recent research. American Educational Research Association.
- \*Willhoft, J. L. & Lissitz, R. W. (1982) A methodological study of the Torrance Tests of Creativity: Can creativity be faked? National Council on Measurement in Education.
- \*Davis, C., Green, J., & Lissitz, R. W. (1981) An empirical investigation of arbitrage pricing theory parameter estimation techniques: Comparability and utility. Financial Management Association.
- +Lissitz, R. W. (1981) A critique of the methodology for the study of burn-out. First National Conference on Burn-out.
- \*Skaggs, G. & Lissitz, R. W. (1981) Discriminant and convergent validation of behavioral tendencies approach to determining job satisfaction. National Council on Measurement in Education.
- \*Poor, D., Mazza, P. & Lissitz, R. W. (1981) The effect of test level on standardized achievement tests. American Educational Research Association.
- \*Lissitz, R. W. & Malizio, A. G. (1981) A review of four major issues fueling the standardized achievement testing controversy: Teacher expectations, test bias, coaching, and possible alternatives to testing. National Council on Measurement in Education.

- +Lissitz, R. W. (1978) Discussant for session: Factor Analytic Studies. National Council on Measurement in Education meetings, Toronto.
- \*Christman, M. C. & Lissitz, R. W. (1977) Cross validation in forward selection multiple regression: A Monte Carlo investigation. American Psychological Association, San Francisco.
- \*Jenkins, J. & Lissitz, R. W. (1976) Some techniques for attracting qualified minority applicants to Graduate School. American Psychological Association.
- +Lissitz, R. W., (1976) Chairperson: Understanding and predicting retail choice behavior. Symposium at the American Psychological Association.
- \*+Lissitz, R. W. (1976) Chairperson: Attracting, Admitting, and Maintaining Minority Graduate Students. Symposium at the American Psychological Association.
- \*+Lissitz, R. W. (1975) Chairperson and organizer of panel discussion: Computers and instruction in Statistics, Measurement, and Experimental Design. American Psychological Association.
- \*Lissitz, R. W., Robinson, E. & Davis, B. (1975) An examination of some factors related to using different Minkowski models in non-metric multidimensional scaling. Psychometric Society.
- \*Robinson, E. & Lissitz, R. W. (1975) The approximation of a group stimulus space of k stimuli by averaging subjects exposed to selected subsets of the k stimuli. Psychometric Society.
- \*Lissitz, R. W. & Stokes, S. (1972) Some comments on basic statistics and measurement philosophy. Presented at AKD National Sociology Honorary Meetings at Virginia Commonwealth University.
- \*Schoenfeldt, L. F. & Lissitz, R. W. (1971) A Bayesian framework for the application of moderator variables. American Psychological Association.
- \*Lissitz, R. W. & Halperin, S. (1969) The power of tests of stationarity and order for Markov chains. Psychometric Society.

***Regional:***

- +Li, C., Liao, D., Zou J., Jiao, H., & Lissitz, R. W. (2016, June). Investigating the concordance relationship between the MSA and PARCC scores using propensity score matching and extrapolation methods. Paper presented at the Maryland State Department of Education Data Summit, Ellicott City, MD.
- +Liao, D., Li, C., Jiao, H., & Lissitz, R. W. (2016, June). Investigating the relationship between PARCC test scores and college admission test scores: SAT/ACT/PSAT.



Paper presented at the Maryland State Department of Education Data Summit, Ellicott City, MD.

- +Zou, J., Jiao, H., Liao, D., Li, C., & Lissitz, R. W. (2016, June) Linking HSA to the PARCC consortium test. Paper presented at the Maryland State Department of Education Data Summit, Ellicott City, MD.
- +Feifei Li, Patelis, T., Lissitz, R. W. (2008) Rigorous Curriculum and SAT. Conference Proceedings 2008, Paper 5. From Rocky Hill, Ct: NERA
- +Lissitz, R. W. (2006) Using Data to Drive Change: Interventions. Maryland Assessment Group.
- +Lissitz, R. W. (1993) On the Assessment of the Voluntary Interdistrict Transfer Program. A talk to Superintendents, Principals, and guests in the St. Louis region.
- \*Lissitz, R. W. (1992) Panel Presentation, Planning and Accountability: A Model for State, System, and Institutional Cooperation, Society for College and University Planning, Mid-Atlantic Region Annual Conference.
- +Lissitz, R. W. (1989) Selecting Ability to Benefit Students, National Association of Trade and Technical Schools, Washington, D.C.
- +Lissitz, R. W. (1988) Testing and the Ability to Benefit Students. National Association of Trade and Technical Schools, Charleston, South Carolina.
- +Lissitz, R. W. (1980) An overview and discussion of the Truth in Testing Legislation. Northeastern Educational Research Association.
- \*Haymaker, J. & Lissitz, R. W. (1977) Data matrix comparisons: procrustean or canonical correlational methods? Southeastern Psychological Association.
- \*Davis, B., Lissitz, R. W., & Mendoza J. (1976) Relations between procrustes procedures, multivariate multiple regression and canonical correlation techniques. Southeastern Society for Multivariate Experimental Psychology.
- \*Davis, B. & Lissitz, R. W. (1975) The multidimensional components of perceived risk and individual differences in the implementation of the dimensional components. Southeastern Psychological Association.
- \*Green, S. & Lissitz, R. W. (1975) Moderator regression--a closer view. Southeastern Society for Multivariate Experimental Psychology.
- \*Lissitz, R. W. & Mason, C. (1975) An example and discussion of choosing variables and priors for multiple discriminant analysis. Southeastern Society for Multivariate Experimental Psychology.

- \*Green, S. & Lissitz, R. W. (1974) Coefficient Alpha as a homogeneity index. Southeastern Psychological Association meeting.
- \*Jones, C. L., Lewis, P. & Lissitz, R. W. (1974) Assessment of changes in interpersonal perception in a t-group using individual differences multivariate scaling. Southeastern Psychological Association meetings.
- \*Lissitz, R. W., Han, L. & Schoenfeldt, L. (1974) A computer program for aiding in the teaching of some basic psychometric concepts. Southeastern Society for Multivariate Experimental Psychology.
- \*Green, S. B. & Lissitz, R. W. (1973) The magic seven point rating scale: Fact or fiction. Southeastern Psychological Association.
- \*Guffey, H. & Lissitz, R. W. (1973) The local minima problem and solutions in multidimensional scaling. Southern Marketing Association.
- \*Jones, C. L. & Lissitz, R. W. (1973) An example and discussion of the analysis of organizational behavior by application of individual differences in multidimensional scaling. Southeastern Psychological Association.
- \*Lissitz, R. W. & Chardros, S. (1973) The results of a Monte Carlo investigation of the effects of violation of the assumption of independence in a random sample. Presented at the Southeastern Society for Multivariate Experimental Psychology.
- \*Stanley, T. J. & Lissitz, R. W. (1973) Undergraduate student attitudes toward marketing majors: A multidimensional investigation. Southern Marketing Association.
- \*Lissitz, R. W. (1972) Moderator subgroups for the estimation of educational performance: A comparison of prediction models. Southeastern Society for Multivariate Experimental Psychology, Atlanta

***State:***

- +Lissitz, R. W. and Li, Y. (2008) Reporting aggregated data at the system, school and classroom level. Maryland Assessment Group, Ocean City, Maryland.
- +Lissitz, R. W. and Alban, Terry (2005) Predicting Performance on the Maryland High School Assessments. Maryland Assessment Group, Ocean City, Maryland
- +Lissitz, R. W. (1995) Measurement Issues Related to MSPAP. One of the presenters to this Maryland Assessment Group session.
- +Lissitz, R. W. (1992) A summary of the Program by Program review process for the State of Maryland, presented to the Inter-Institutional Committee of the System of the University of Maryland
- +Lissitz, R. W. (1991) History repeats itself: again. Maryland Assessment Group. This

talk was repeated in Washington County, at their request, to a group of upper level administrators.

- +Lissitz, R. W. (1989) China, and its impact on the Measurement, Statistics and Evaluation Department. Phi Delta Kappa Alumni Organization of the University of Maryland.
- +Lissitz, R. W. & Schafer, W. D. (1989) Criterion referenced testing. Maryland Assessment Group
- +Lissitz, R. W. (1989) Discussant of paper by Richard Hunter, Superintendent of Baltimore Schools, on assessment issues for a large public school system. The Maryland Assessment Group.
- +Lissitz, R. W. (1988) Measurement techniques for teachers. Washington County School System, Maryland.
- +Lissitz, R. W. & Schafer, W. S. (1987) Grading in the classroom. Maryland Assessment Group.
- +Lissitz, R. W. (1986) Training teachers to improve measurement competency. Maryland Assessment Group.
- +Lissitz, R. W. (1976) Applying multivariate methods to problems of industrial/organizational psychology: scaling and clustering. Invited paper to the Georgia Psychological Association, Atlanta.

## **RESEARCH PROJECTS**

### ***Grant/Contract awards***

- Lissitz, Robert (2009-2014). Supporting the MSDE statewide testing programs. MARCES. Approximately 2.0 million for 5 years.
- Lissitz, Robert (2008) The College Board Project. \$15,024.
- Lissitz, Robert (2004-2009) Supporting the MSDE statewide testing program. MARCES. Approximately \$1.5 million.
- Kopriva, Rebecca and Lissitz, Robert W. (2001) Developing, Selecting and Retrofitting Academic Assessment Systems that Collect Accurate Data from English Language Learners, ETS, \$94,240.
- Lissitz, Robert W. Determination of the SE in the State of California. National Center for Improvement of Educational Assessment, Inc. \$11,931.
- Lissitz, Robert W. and Von Secker, Clare (2000-2002) An evaluation of the Chesapeake Bay Foundation Schools Program. \$50,000 per year for three years.

- Lissitz, Robert W. and Fein, Melissa (2000) An evaluation of the Service Learning program in the State of Maryland. \$58,000.
- Lissitz, Robert W. (2000 - 2003) A contract with the Maryland State Department of Education to support their assessment effort. \$1,287,727 for a four-year period.
- Von Secker, C. and Lissitz, R. W. (1998) Using hierarchical linear growth models to evaluate protective mechanisms that mediate science achievement. American Educational Research Association Grants Program. \$9,890.
- Lissitz, R. W. (1998) Humanities and International Studies Evaluation. Board of Education of Prince George's County. \$25,000.
- Lissitz, R. W. (1994) The Maryland Assessment Resource Center. Maryland Higher Education Commission. \$31,000 to extend the work for another year.
- Lissitz, R. W. (1993) The Maryland Assessment Resource Center. Maryland Higher Education Commission. \$120,000 to extend our work another year.
- Lissitz, R. W. (1992) The Maryland Assessment Resource Center. Maryland Higher Education Commission. \$250,000. Contract was to establish the Center to support assessment and accountability efforts at all 2 and 4 year public institutions in the State of Maryland.
- Lissitz, R. W. & Benson, J. (1983) The integration of testing and instruction: Maryland's Functional Testing Program. Maryland State Department of Education - Assessment Branch. Contract to evaluate program for state. \$18,000.
- National Institutes of Health awarded a continuation grant for five years for Summer Student Training Institute in Psychology. I passed this grant along to Dr. Jay Allen and it remained at the University of Georgia, 1978. The total amount was \$183,040.
- National Institutes of Mental Health awarded a grant titled: Summer Student Training Institute in Psychology, for three years. The primary purpose of this grant was to encourage black undergraduates to consider the University of Georgia Psychology Department for their graduate training, 1975. The total amount was \$90,000.
- National Science Foundation grant entitled: Summer Student Training Institute in Psychology, a program for black undergraduates, administered by the University of Georgia, \$2,000, 1974.
- University of Georgia Alumni Foundation entitled: Summer Student Training Institute in Psychology, additional funds \$1,000, 1974.
- The State Merit System, Georgia: An Analysis of the Training and Experience Rating System, \$11,500. 1974-1975.

## **PROFESSIONAL PUBLIC SERVICE**

### *Consultancies*

- Community Chest of Syracuse, New York--worked on various data analysis and data collection issues
- Health Care Finance Administration--reviewed contracts and grants applications and worked on various evaluation and methodological problems related to cost containment of medical expenses
- Charles County Schools--provided inservice in the measurement area, evaluated their Assessment Branch and redesigned all county efforts in the testing area
- Queen Anne School--provided staff development in testing area and advice to head master on testing issues
- Frederick County Schools--advised on testing and data analysis problems
- Calvert County Schools--provided inservice in testing area to administrative and supervisory staff
- Washington County Schools--provided support of their performance assessment testing effort, gave workshop on performance assessment and potential problems, as well as help train teachers and supervisors on test construction
- Maryland State Department of Education--served on several search committees involving the Assessment Branch and provided advice to administrative personnel
- Health Plus Health Maintenance Organization--provided statistical advice and data analysis on rate setting for physicians
- Harper and Row Publishers--book reviewer
- Merrill Publishing Co.--book reviewer
- Government Printing Office--provided data analysis
- National Aeronautics and Space Administration--did a cost-benefit analysis of the use of microcomputers by auditors and investigators and issued extended report submitted to GAO
- Light Brigade Marketing, Inc.--did statistical analysis to develop a model for marketing of insurance programs
- Department of Labor, Unemployment Insurance Branch--provided a week-long staff development exercise in statistical analysis
- Connecticut State Department of Education--did extensive statistical analyses of a state wide testing program and provided a report to the state
- Rhode Island Department of Education--developed state and national norms for a physical fitness test and provided a method for determining composite scores
- University of Maryland, University College Leadership Training Branch-- provided staff development training for middle and upper level managers at NSA on decision making methods and data display techniques
- United States Government, Census Bureau--provided instruction on data analysis, use of micro-computers and survey and test design
- National Association of Trade and Technical Schools, Career Training Foundation-- wrote a staff development document for using testing information to work with ability to benefit students, document was distributed at a number of their meetings
- P.A.R., Inc.--Testifying on appropriate use of admissions test for technical and trade schools, and test review and development, wrote sections of their technical manual

- Merrill Publishers--reviewer
- Holt, Rinehart, and Winston--reviewer
- Buros Institute--item reviewer
- Hazardous Materials Managers--Test development, planning, review and revision, wrote extensive documentation for their national certification exam
- Internal Revenue Service--Developing a diagnostic computer-based testing system to increase efficiency of training effort
- St. Louis City and District Schools--was responsible for the evaluation of the Court ordered desegregation effort, provided supervision, methodological advice, wrote the report that was filed with the court and archived with ERIC clearinghouse
- Food and Drug Administration -- helped them with their certifying tests, verifying item and test quality
- Trinity College – evaluation of their technology enhancement project
- MSDE – variety of projects related to assessment
- Arkansas State Department of Education – Technical Advisory Committee
- National Museum of Women in the Art—worked on an evaluation project concerning their instructional materials
- University of Maryland University College—evaluation of the peer mentoring program
- TSA job and task analysis
- Customs and Border Protection
- Veterans Administration
- New Jersey Department of Education Standard Setting Advisor and Observer
- Wisconsin Department of Education on Growth and Value Added
- Washington State Department of Education on Growth and Value Added
- Greater Washington Catholic Schools on Growth and Value Added
- Harford County Schools
- Urban Teacher Center

### **Organization activities**

#### *Hold membership in:*

National Council on Measurement in Education

#### *Committee work:*

- |           |   |
|-----------|---|
| 2003-2005 | Elections Committee of NCME   |
| 2002-     | Member of the Technical Advisory Committee in the State of Arkansas   |
| 1999-2000 | Member of the Fellowship Committee of NCME  |
| 1999      | Chair of the committee to select the winner of the NCME award for best application of measurement technology to the field |
| 1995-1996 | Member of the NCME ad-hoc Committee on Computerized Adaptive  |

## Testing and Test Disclosure Legislation

- 1994-1997 Member of the External Relations Committee of NCME and Chairperson for 1994-1995, 1995-1996, and 1996-1997
- 1991-1994 Member of the NCME committee on Minority Issues and Testing
- 1990-1991 NCME representative to the test user training work group of the Joint Committee on Testing Practices
- 1989-1991 Chairperson, Committee on Special Interest Groups, American Educational Research Association
- 1986-1992 Treasurer, and Board of Directors, Maryland Assessment Group
- 1990 Represented NCME at the open hearings on NAEP, Washington D.C.
- 1989 Invited by Department of Education to be part of a panel to discuss norming of standardized tests and reactions to Dr. Cannell's Lake Wobegon Effect
- 1989 Member of American Council on Education Committee to develop standards for testing ability to benefit students of National Association of Trade and Technical Schools
- 1987-1988 AERA Special Interest Group of Educational Statisticians, Chairperson of the Nominating Committee
- 1986-1988 Election Committee, National Council on Measurement in Education
- 1986-1989 Ad hoc Committee studying the training of teachers for measurement competency, National Council on Measurement in Education. Make yearly presentations to NCME board of directors.
- 1986 Co-founder, The Maryland Assessment Group (in 2005 they served about 750 members)
- 1983 President, Special Interest Group of the Educational Statisticians of the American Educational Research Association
- 1982 Middle States Evaluation Teams, (member of two institutional review teams)
- 1982 Program Chairperson of the Special Interest Groups of the Educational Statisticians of the American Educational Research Association
- 1982 Chairperson, Nominating Committee for the American Educational Research Association, Division D

- 1979-1981 Committee for Professional Affairs, Division 5 of the American Psychological Association
- 1979-1981 Finance Committee of the American Educational Research Association
- 1977-1978 Committee to Study Goals of the National Council on Measurement in Education
- 1974 President, Southeastern Society for Multivariate Experimental Psychology

*Journals and reviewing*

- 2006-2010 Member of the Editorial Board of Educational Researcher
- 1997-1999 Member of the NCME Newsletter Board for volumes 5-7
- 1996-1998 Editorial Board of the Journal of Educational Research
- 1982-1985 Management Committee of the Journal of Educational Statistics
- 1979-1985 Editorial Board, Journal of Experimental Education; appointed to two terms

Reviewer for numerous journals

Reviewer, Department of Education (D.O.E.)

Reviewer, Health Care Finance Administration (HCFA)

- 1971-1978 Reviewer, Southeastern Psychological Association Meetings in areas of psychometrics, statistics and research design

Ongoing Reviewer for NCME and AERA national meetings

*Workshops and other extension inservice activities*

- See edited books for additional national conferences organized
- 2006 Organized national conference on Cognitive modeling and standard setting
- 2004-2005 Organized two national Conferences on Value Added
- 2000 Presented a workshop to the Deans and Chairpersons of the University of Texas at Brownsville on TQM and being a successful chairperson
- 1978-2004 Since becoming chairperson at the University of Maryland I have attended numerous workshops for chairpersons and other administrators. These



cover topics such as legal issues for administrators, undergraduate orientation and advising, evaluating faculty for merit, budgeting matters, personnel practices, etc.

- 1992 Asked by NAEP to write a paper on score presentation and interpretation.
- 1990 Asked by NAEP to write a position paper on test equating and international testing.
- 1975 Equal Employment Opportunity and the Law, and its Implications for Hiring Practices. The State Merit System of Georgia, attended a three day workshop.
- 1972 Multidimensional scaling. University of Pennsylvania and Bell Laboratories, attended workshop. The sponsors awarded me a full scholarship for this week-long workshop.
- 1971, 72 Conference on Computers in the Undergraduate Curricula. The University of Georgia sent me to Dartmouth and to Atlanta to attend these conferences and to share ideas and experiences in this area.

## UNIVERSITY SERVICE

### *University and System-wide:*

- 2006-2008 Member of APAC committee of the Provost
- 1997-2001 Member of the Office of Institutional Studies Resource Group
- 1994-1996 Member of the Total Quality Management Committee on Data Management
- 1995 Member of the President's Committee to review the Equity system
- 1993-1994 Chair of the Implementation Committee of the Campus Senate-- This is the first year of existence for this committee. Our purpose is to develop a procedure to assess the implementation of policies passed by the Senate and accepted by the President.
- 1992-1993 Chair of the Campus Senate--Our Campus Senate is the representative body for Faculty, Staff, and Students
- 1992-1993 Member of the President's Emergency Budget Committee-- We advised the President on cost cutting measures to respond to reversions of funds from the campus

- 1991-1992 Chair-elect of the Campus Senate
- 1991-1992 Member of the Campus Senate Executive Committee--This committee is the coordinating body for the full Senate
- 1991-1993 Member of the Academic Planning and Advisory Committee of the Campus--This committee advises the Provost on fiscal implications of all academic program changes and on other general fiscal matters relating to the academic side of campus
- 1991-1992 Chair of the coordinating committee of the "Maryland at Risk" day on economic impact on education--This event brought state legislators to campus to discuss with faculty, staff, and students issues related to the state economy and the university
- 1991-1992 Chair of the Governmental Affairs committee of the Campus Senate--This committee is responsible for all Senate relations with the state legislature
- 1991-1992 Chair of Committee on Student Learning Outcomes--This committee developed the campus plan to assess and thereby improve undergraduate education
- 1991-1992 Member, Search Committee to hire several members of the Office of Institutional Studies
- 1990-1992 College Park representative to the System Accountability Committee--served on the Student Learning Outcomes committee, Program by Program Review committee, and the Cost Effectiveness committee at the System level, and helped represent System in discussions with the Maryland Higher Education Commission concerning state-wide assessment and accountability efforts
- 1990-1991 Chair of Educational Affairs Committee--This Campus Senate committee works on educational issues referred by the Campus Senate
- 1990-1992 Accountability Advisory Committee in System Administration--This committee develops policy for the System
- 1989-1990 Chair, Accountability Committee--This campus committee developed a process to assess The University of Maryland, College Park progress particularly as related to the Enhancement Plan
- 1989-1990 Member of Educational Affairs Committee of the Campus Senate.
- 1989-199 Chair of subcommittee on Faculty of the Planning Committee for the Conference "Preparing for an International Decade: UMCP in the 1990's".

- 1989-1991 Member of the China Committee
- 1987-1988 Campus Advisory Committee on Libraries--This committee advises the Vice Chancellor for Academic Affairs and has been working on the planning function, computer support systems, and generally reviewing the strengths and weaknesses of the library system on the College Park Campus
- 1985-1988 Member, Campus Senate Educational Affairs Committee--This is the primary committee of the Campus Senate for review of policy recommendations related particularly to undergraduate students
- 1984 & 1988 Search Committee for statistical consultant for the Computer Science Center
- 1986-1987 Campus Senate Executive Committee. This is the executive board for the Campus Senate and assigns tasks to all committees, reviews all incoming reports, coordinates with the Chancellor and Vice Chancellor and sets the agenda for the Senate.
- 1986-1987 Committee to study the formation of a mathematical statistics department at the University of Maryland
- 1985-1987 Campus Advisory Committee on Computing. Chairperson, subcommittee to develop the model for long term planning in the computer area. This committee advises the Vice Chancellor for Academic Affairs.
- 1985-1987 Chair of the Campus Senate Adjunct Committee on Libraries, Computers and Other Instructional Resources. This committee developed a report specifying a set of goals for general computing and library computer related activities for the campus. This report was adopted by the Campus Senate and forwarded to the Vice Chancellor for Academic Affairs for implementation.
- 1985-1986 Computer Technology Committee of the Division of Human and Community Resources--This committee helped plan computer utilization for the division
- 1984 Graduate Council subcommittee on student life
- 1982-1984 Graduate Council of the University of Maryland, University College.
- 1983 Campus Senate, Campus Affairs Committee--We looked at various faculty and staff benefit packages and their desirability for College Park.
- 1983 Member, Committee to Evaluate the University of Maryland Special Student Support Services and Upward Bound program and chairperson of

- the subcommittee to evaluate the Special Student Support Services program
- 1982 Search Committee of the Institutional Studies Research Office of the University of Maryland
- 1980-1981 Search Committee for the Director of the Academic Computer Center for the College Park Campus
- 1980 University Committee for Evaluation of the Psychology Department of the University of Maryland, and chairperson of the subcommittee to examine graduate education
- 1976 University Committee for Evaluation of the Educational Psychology Department of the University of Georgia
- 1975 Human Subjects Research Committee, Psychology Department, University of Georgia
- 1975 Search Committee for Psychology Department Head, University of Georgia

***College and Department:***

- 2010 Chair of Department Search Committee for faculty member
- 2010 Chair of Promotion and Tenure Committee in department
- 2009-2010 Member, College promotion and tenure committee
- 2009 Chair of College Senate Committee to develop policy regarding Institutes and Centers
- 2008 Chair of Search Committee for EDMS chairperson
- 2008 Chair of the Committee to consider Professor Emeritus Status for a retiring Faculty member
- 2008 Chair of the Emergency Promotion and Tenure Committee of the College of Education
- 2007 Chair of the Search Committee for EDMS
- 2008-2009 Chair of the College of Education Senate, Chair-Elect the previous year
- 2006-2007 Member of the Appointment, Promotion and Tenure committee for the College of Education

- 2005-2006 Chairperson of the Appointment, Promotion and Tenure committee for the College of Education
- 2004- Member of the outreach committee of the College of Education
- 2004- Program Review Board of the College of Education
- 2004-2007 Examinations Committee of EDMS department, Chair in 2006-07
- 2003-2004 College of Education Technology Committee member
- 2000-3 College of Education Outreach Committee Member
- 2003 College of Education Work-load Committee Member
- 1997 Member of the Committee to Consider Reallocation strategies and procedures
- 1994 Chair of the College Committee to review and revise the College of Education Plan of Organization.
- 1994- Appointed by the Dean as Interim Associate Dean of the College of Education. Responsible for Center for Educational Research and Development and Continuous Quality Improvement, attend all Dean's staff meetings.
- 1989-1990 Chair of the EDCP Chair Search Committee. Responsible for hiring of the next chairperson, Department of Counseling and Personnel Services.
- 1978-2003 Chairperson of the Department of Measurement, Statistics and Evaluation. Responsible for instruction, service and research activities, all budget matters, long range and short range planning, and hiring of secretarial support staff and faculty positions.
- 1987-1988 Committee to Study Outreach (off-campus) teaching in the College of Education.
- 1984, 1985 Search Committee for Dean of the College of Education
- 1983 Administrative Review Committee for the College of Education. This committee developed a faculty review procedure for assessing chairpersons.
- 1979-1981 Graduate Committee of the College of Education. This committee develops College policy for graduate education.
- 1979 Search Committee for Associate Dean of the College of Education

## ADMINISTRATIVE EXPERIENCE

I have had considerable experience and success as an administrator, and the purpose of this section is to provide a summary of the above material that supports this claim. Many of these activities were done simultaneously, as can be seen in the time line provided above. These experiences have provided opportunities to look at the campus from many different perspectives and to learn an appreciation for the diversity of the academic community and administrative affairs.

- Chair of the Department of Measurement, Statistics and Evaluation - I served in that capacity for 26 years and been formally evaluated three times. Those evaluations always indicated that I did an excellent job in that capacity and that I should be retained as Chair of the Department. Since the Department is relatively small (1 secretary, 7 faculty, and approximately 50 additional persons who eventually report to me), the job did not have the support to which larger departments are accustomed. Because of that fact, I, with help from the department secretary, did the budget, scheduled classes, resolved conflicts, maintained a positive atmosphere, directed new initiatives, purchased equipment, ran the faculty meetings, negotiated various personnel matters, approved or disapproved sabbatical requests, etc. We have, by all department reviews, become a much better department than we were at the time I was hired. The department won the 1993-1994 Academic Unit Minority Achievement Award given by the University of Maryland President's Commission on Ethnic Minority Issues.

- Interim Associate Dean of the College of Education - I developed and implemented a data system for decision making and planning functions in the College. We have begun by analyzing the current decision making process and identifying the data that we wish existed to better inform such efforts. We have developed an on-line system that will allow administrators and faculty to call up information and perform simple statistical analyses such as graphical procedures, simple predictions, and "what if" queries.

- Direct the Maryland Assessment Resource Center (MARC) - The center was funded by a grant from the Maryland Higher Education Commission and included two graduate students, an advisory board, an awards committee, numerous reviewers, and help from a budget officer of the College. I coordinated and directed the various activities of the Center including identifying good evaluation projects, interacting with all 2 and 4 year public higher education institutions in the State, conducting workshops, etc. Since then the Center has won two grants from the Maryland State Department of Education to provide technical support to the state-wide testing program.

- When I was at the University of Georgia, I directed a minority recruitment effort that was very successful in increasing the number of doctoral students in the Psychology Department. The experience of working with diverse students in such an environment was educational and enjoyable. The University of Maryland bestowed upon the EDMS department the honor of being named Outstanding Academic Unit of the Year. This award was made by the President's Commission on Ethnic Minority Issues. I believe that the earlier experiences at the University of Maryland helped me guide the EDMS department and led to this honor.

- Chair of the Campus Senate - The University of Maryland, College Park is almost unique in the U. S. in having a campus senate and not a faculty senate. We include undergraduate and graduate students, as well as faculty and staff in our Senate. I am responsible for 14 committees, an executive committee, an executive secretary, two other secretaries, approximately 8 student assistants, and a parliamentarian. Under my direction, we also meet twice a month with the President to discuss various issues. We recommend policy to the President, including such matters as termination of tenured faculty, revising the code of student conduct, approving programs for initiation and termination, develop greater shared governance, etc. This experience has given me an appreciation for the diversity of the campus and the sensitivities that exist on a wide variety of matters.

- Chair of Committees - I have been asked to chair a number of national, campus-wide committees and committees in the College of Education. An example of this is the development of our campus response to the Maryland Higher Education Commission's mandate for accountability. I was asked to chair the committee that developed the Campus accountability plan for the entire campus including administrative affairs as well as academic affairs. The plan has been recommended by Ted Marchese of the American Association of Higher Education as a model plan. The next year I was asked to chair the committee that drafted a plan for evaluating instructional activity on campus. This effort was known as the Student Learning Outcomes report. My becoming Chair of the Senate was a direct consequence of having chaired several committees for the Senate. The Educational Affairs committee is one of the most important Senate committees and deals with educational policy on campus. The Computers, Libraries, and Other Instructional Resources committee dealt with policies in each of these areas and we drafted a computer plan for the campus that was adopted by the Senate. I have not been a constant participant in Senate business during my 15 years at the University of Maryland, but during the two terms that I served prior to becoming Chair, I was fortunate enough to work on matters that cut across the campus. Chairing the Committee on Special Interest Groups in AERA, and Presiding over the Special Interest Group of Educational Statisticians also provided interesting leadership experiences.

- Member of key university-wide committees - I have also been a member of a number of important committees, such as the System Committee on Accountability, the campus Academic Planning and Advisory committee and the Campus Emergency Budget Committee. The latter two committees are the main financial planning committees on the academic side of the campus, and they have provided good experience on how to approach fiscal matters. This has given me a strong appreciation for strategies to pursue and resolve campus fiscal matters. The 1991 and 1992 years at the University of Maryland have seen considerable financial stress. We eliminated 32 programs on our campus including one college and 7 departments. The process involved the Senate and the Academic Planning and Advisory Committee, so I was able to see this effort from several sides.

- Co-founder of the Maryland Assessment Group - I and a graduate student who was employed by one of the Maryland County School Systems, Joe Willhoft, founded the Maryland Assessment Group, and I remained as their treasurer and chief advisor for a number of years. This group consists of about 600 assessment people from the K thru 12 educational systems in the State of Maryland. We meet once a year and discuss a number of issues, make presentations, share ideas, and generally network with each other. This was a natural extension of my having been asked to work so closely with the Assessment branch of

the Maryland State Department of Education.

- Principal Investigator of Several Grants - I have written and been funded for a number of grants in a variety of areas that total almost 6 million dollars. The effort on behalf of accountability in higher education has been very rewarding. Perhaps the most interesting and worthwhile project that I developed from beginning to end was that of the Minority Recruitment effort at the University of Georgia. Each summer, I worked with two psychology graduate students and 20 undergraduate students who were brought to the University for purposes of gaining additional expertise in psychology and eventually to be attracted to our graduate programs. Working with the group of students, the Office of Student Housing, the department, and the funding agencies was quite challenging and very productive. I was responsible for attracting many of the minority students that came to the psychology department during that period. This project was initiated about 10 ten years after the University of Georgia was integrated.

## **INSTRUCTION AND ADVISING**

### **Post-Doctoral Fellows:**

Mi-Lee Ahn (Chang) from Han Yang University in South Korea spent her sabbatical working with me on applied assessment problems.

### ***Courses and workshops:***

- Measurement Theory
- Classroom Assessment
- Program Evaluation
- Evaluation Methods
- Industrial Psychology
- Psychometric Theory
- Descriptive and Inferential Statistics
- Bayesian Statistics and Decision Theory
- Test Construction and Applications of testing
- Multidimensional Scaling
- Special topics such as cluster analysis, profile analysis, etc.
- History of statistics and psychometrics
- Value Added Modeling

### **Ph.D. Recipients:**

- Samuel B. Green
- Robert Manicke
- Mary Batcher
- Joseph Willhoft
- Suci Mariati Isman
- Gary Skaggs
- Leslie Walker Bartnick
- Mary Lee Herrick



Yuan Li  
Melissa Fein  
Jill Walston  
Clare Von Secker  
Theresa Alban  
Peng Lin  
Yi Cao  
Ying Li  
Xiaoshu Zhu