

Curriculum Vitae

Steven Linn Wise

Business Address: Northwest Evaluation Association
121 NE Everett St.
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Portland, OR 97229
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Educational Background:

Ph.D. University of Illinois at Urbana-Champaign, 1981
Educational Psychology/Measurement and Statistics

M.A. University of Maryland Baltimore County, 1978
Community-Clinical Psychology/Psychological Assessment

B.A. University of Maryland Baltimore County, 1975
Psychology

Leadership and Management Experience:

2008 – Present *Vice President of Research and Development, Northwest Evaluation Association*

2004 - 2008 *Founder and Coordinator, Institute for Computer-Based Assessment*

2006 - 2007 *Annual Meeting Program Co-Chair, American Educational Research Association (Division D)*

1998 – 2004;
2005 – 2006 *Director, Ph.D. Program in Assessment and Measurement, Department of Graduate Psychology, James Madison University*

1991 - 1992 *Annual Meeting Program Co-Chair, National Council on Measurement in Education*

1987 - 1993 *Program Head, Quantitative and Qualitative Methods in Education
Department of Educational Psychology, University of Nebraska-Lincoln*

1988 - 1991 *Program Chair, Professors of Educational Research (AERA Special Interest Group), which focuses on teaching issues.*

1988 - 1990 *Association Council, Mid-Western Educational Research Association*

1985 - 1998 *Faculty Supervisor, Nebraska Evaluation and Research Center
University of Nebraska-Lincoln*

Teaching Positions Held:

1998 - 2008 *Professor, Department of Graduate Psychology
James Madison University*

- 1996 - 1998 *Professor*, Department of Educational Psychology
University of Nebraska-Lincoln
- 1988 - 1996 *Associate Professor*, Department of Educational Psychology
University of Nebraska-Lincoln
- 1983 - 1988 *Assistant Professor*, Department of Educational Psychology
University of Nebraska-Lincoln
- 1981 - 1983 *Assistant Professor*, Department of Guidance and Educational Psychology
Southern Illinois University at Carbondale

Teaching Awards, Honors, and Distinctions:

- 1997 University of Nebraska-Lincoln Teachers College Distinguished Teaching Award
- 1987 Distinguished Teaching Award, Department of Educational Psychology Graduate
Student Organization, University of Nebraska-Lincoln

Teaching Interests and Specialties:

Educational Measurement
Statistical Methods
Research Design & Analysis
Computer-Based Testing

Graduate Courses Taught:

Theory and Methods of Educational Measurement
Seminar in Item Response Theory
Seminar in Computer-Based Testing
Introductory Statistical Methods
Research and Inferential Statistics
Intermediate Statistics: Experimental Methods
Intermediate Statistics: Correlational Methods
Multivariate Statistics
Seminar in Meta-Analysis
Computer-Assisted Research Data Analysis

Business/Industrial/Governmental Experience:

- 2004 – Present *Joint Research Council*, National Council of State Boards of Nursing
- 1987 – Present *National Psychometric Council*, Maryland State Department of Education
- 2008 – 2011 *Technical Advisory Committee*, GED Testing Service
- 2005 – 2008 *Technical Advisory Board*, American Board for Certification of Teacher Excellence
- 2003 – 2008 *Growth Research Database Advisory Board*, Northwest Evaluation Association
- 2004 – 2006 *Board of Regents*, Institute of Certified Professional Managers
- 2001 *Psychometric Consultant*, Virginia Department of Education
- 1995 *Psychometric Consultant*, Nebraska State Department of Education

1991 *Psychometric Consultant, Selection Research, Inc., Lincoln, Nebraska*

1987 – 1995 *Psychometric Consultant, Nebraska Department of Health*

Grant and Contract Activities:

2006-2007 National Council of State Boards of Nursing (\$32,300), Served as a project co-director for a grant to study item position effects on the NCLEX-RN examinations.

2006-2007 National Council of State Boards of Nursing (\$140,000), Served as a project co-director for a grant to develop innovative test items for the NCLEX-RN examination.

2005-2006 National Council of State Boards of Nursing (\$17,500), Served as co-principal investigator for a grant to study the use of response time distributions as indicators of compromised NCLEX-RN items.

2001-2005 U.S. Department of Education, Fund for the Improvement of Postsecondary Education (\$300,711), Served as project director for grant to develop the Adaptex computerized testing software.

1999 Virginia State Department of Education (\$26,162), Contracted to conduct a study regarding the feasibility of computerizing Virginia’s Standards of Learning assessment examinations.

Editorial Experience:

2010 – Present Editorial Board, *Educational Assessment*

2006 – Present Editorial Board, *Psicológica*

2000 – Present Editorial Board, *Practical Assessment, Research and Evaluation*

2000 – 2006 Editorial Board, *Educational Measurement: Issues and Practice*

1993 - Present Editorial Board, *Applied Measurement in Education*

1987 - 1992 Co-Founder and Co-Editor, *Applied Measurement in Education*

1986 - 1994 Editorial Board, *Computers in Human Behavior*

1985 - 1986 Editorial Board, *School Psychology Review*

Memberships in Professional Organizations:

National Council on Measurement in Education
 American Educational Research Association
 Association of test Professionals

Research Interests:

Applied Measurement
 Computer-Based Testing
 The Psychology of Test Taking
 Self-Adapted Testing

Scholarship:Articles in Refereed Journals:

- Kingsbury, G. G., & Wise, S. L. (2011). Creating a K-12 adaptive test: Examining the stability of item parameter estimates and measurement scales. *Journal of Applied Testing Technology*, 12, 1-27. Retrieved from http://data.memberclicks.com/site/atpu/JATT_Vol_12_special_1_Creating_K-12_adaptive_test.pdf
- DeMars, C. E., & Wise, S. L. (2010). Can differential rapid-guessing behavior lead to differential item functioning? *International Journal of Testing*, 10, 207-229.
- Wise, S. L., & DeMars, C. E. (2010). Examinee non-effort and the validity of program assessment results. *Educational Assessment*, 15, 27-41.
- McCabe, J., & Wise, S. L. (2009). It's all fun and games until someone learns something: Assessing the learning outcomes of two educational games. *Evidence Based Library and Information Practice*, 4(4), 6-23.
- Wise, S. L. (2009). Strategies for managing the problem of unmotivated examinees in low-stakes testing programs. *Journal of General Education*, 58, 152-166.
- Wise, S. L., Pastor, D. A., & Kong, X. J. (2009). Correlates of rapid-guessing behavior in low-stakes testing: Implications for test development and measurement practice. *Applied Measurement in Education*, 22, 185-205.
- Wise, S. L., & DeMars, C. E. (2009). A clarification of the effects of rapid guessing on coefficient alpha: A note on Attali's Reliability of Speeded Number-Right Multiple-Choice Tests. *Applied Psychological Measurement*, 33, 488-490.
- Kong, X., Wise, S. L., & Bhola, D. S. (2007). Setting the response time threshold parameter to differentiate solution behavior from rapid-guessing behavior. *Educational and Psychological Measurement*, 67, 606-619.
- Cameron, L., Wise, S. L., & Lottridge, S. M. (2007). The development and validation of the Information Literacy Test. *College and Research Libraries*, 68(3), 229-236.
- Wise, S. L., Bhola, D., & Yang, S. (2006). Taking the time to improve the validity of low-stakes tests: The effort-monitoring CBT. *Educational Measurement: Issues and Practice* 25(2), 21-30.
- Wise, S. L., & DeMars, C. E. (2006). An application of item response time: The effort-moderated IRT model. *Journal of Educational Measurement*, 43, 19-38.
- Wise, V. L., Wise, S. L., & Bhola, D. S. (2006). The generalizability of motivation filtering in improving test score validity. *Educational Assessment*, 11, 65-83.
- Wise, S. L. (2006). An investigation of the differential effort received by items on a low-stakes, computer-based test. *Applied Measurement in Education*, 19, 93-112.
- Wise, S. L., & Kong, X. (2005). Response time effort: A new measure of examinee motivation in computer-based tests. *Applied Measurement in Education*, 18, 163-183.
- Wise, S. L., & DeMars, C. E. (2005). Low examinee effort in low-stakes assessment: Problems and potential solutions. *Educational Assessment*, 10, 1-17.
- Hontangas, P., Olea, J., Ponsoda, V., Revuleta, J., & Wise, S. L. (2004). Assisted self-adapted testing: A comparative study. *European Journal of Psychological Assessment*, 20(1), 2-9.
- DeMars, C. E., Sundre, D. L., & Wise, S. L. (2002). Standard setting: A systematic approach to interpreting student learning. *Journal of General Education*, 51, 1-20.

- Wise, S. L., Ponsoda, V., & Olea, J. (2002). Self-adapted testing: An overview. *International Journal of Continuing Engineering Education and Life-Long Learning*, 12, 107-122.
- Wise, S. L., & Kingsbury, G. G. (2000). Practical issues in developing and maintaining a computerized adaptive testing program. *Psicológica*, 21, 135-155.
- Hontangas, P., Ponsoda, V., Olea, J., & Wise, S. L. (2000). The choice of item difficulty in self-adapted testing. *European Journal of Psychological Assessment*, 16, 3-12.
- Wise, S. L., Finney, S. J., Enders, C. K., Freeman, S. A., & Severance, D. D. (1999). Examinee judgments of changes in item difficulty: Implications for item review in computerized adaptive testing. *Applied Measurement in Education*, 12, 185-198.
- Ponsoda, V., Wise, S. L., Olea, J., & Revuelta, J. (1997). An investigation of self-adapted testing in a Spanish high school population. *Educational and Psychological Measurement*, 57, 210-221.
- Roos, L. L., Wise, S. L., & Plake, B. S. (1997). The role of item feedback in self-adapted testing. *Educational and Psychological Measurement*, 57, 85-98.
- Roos, L. L., Wise, S. L., Yoes, M. E., & Rocklin, T. R. (1996). Conducting self-adapted testing using MicroCAT. *Educational and Psychological Measurement*, 56, 821-827.
- Wise, S. L., Roos, L. L., Leland, V. L., Oats, R. G., & McCrann, T. O. (1996). The development and validation of a scale measuring desire for control on examinations. *Educational and Psychological Measurement*, 56, 710-718.
- Plake, B. S., Wise, S. L., & Roos, L. L. (1995). Effects of informed item selection on test performance and anxiety for examinees administered a self-adapted test. *Educational and Psychological Measurement*, 55, 736-742.
- Wise, S. L. (1994). Understanding self-adapted testing: The perceived control hypothesis. *Applied Measurement in Education*, 7, 3-14.
- Wise, S. L., Roos, L. L., Plake, B. S., & Nebelsick-Gullett, L. J. (1994). The relationship between examinee anxiety and preference for self-adapted testing. *Applied Measurement in Education*, 7, 81-91.
- Sodowsky, G. R., Taffe, R. C., Gutkin, T. B., & Wise, S. L. (1994). Development of the Multicultural Counseling Inventory: A self-report measure of multicultural competencies. *Journal of Counseling Psychology*, 41, 137-148.
- Wise, S. L., Plake, B. S., Johnson, P. L., & Roos, L. L. (1992). A comparison of self-adapted and computerized adaptive tests. *Journal of Educational Measurement*, 29, 329-339.
- Scheer, J. K., Loper, D., Wagner, L., & Wise, S. L. (1992). Impact of cholesterol screening on college students. *Journal of American College Health*, 41, 106-110.
- Schulte, L. E., Brown, R. D., & Wise, S. L. (1991). The development and evaluation of the Ethical Climate Index for graduate and professional school programs. *Research in Higher Education*, 32, 479-498.
- Johnson, P. L., Roos, L. L., Wise, S. L., & Plake, B. S. (1991). Correlates of examinee choice behavior in self-adapted testing. *Mid-Western Educational Researcher*, 4, 25-28.
- Dowd, E. T., Milne, C. R., & Wise, S. L. (1991). The Therapeutic Reactance Scale: A measure of psychological reactance. *Journal of Counseling and Development*, 69, 541-545.
- Wise, S. L., Lukin, L. E., & Roos, L. L. (1991). Teacher beliefs about training in testing and measurement. *Journal of Teacher Education*, 42, 37-42.

- Barnes, L. B. B., & Wise, S. L. (1991). The utility of a modified one-parameter IRT model with small samples. *Applied Measurement in Education*, 4, 143-158.
- Swoboda, J. S., Dowd, E. T., & Wise, S. L. (1990). Reframing and restraining directives in the treatment of clinical depression. *Journal of Counseling Psychology*, 37, 254-260.
- Kim, H., Plake, B. S., Wise, S. L., & Novak, C. D. (1990). A longitudinal study of sex-related item bias in mathematics subtests of the California Achievement Test. *Applied Measurement in Education*, 3, 275-284.
- Wise, S. L., & Plake, B. S. (1990). Computer-based testing in higher education. *Measurement and Evaluation in Counseling and Development*, 23, 3-10.
- Wise, S. L., Barnes, L. L., Harvey, A. L., & Plake, B. S. (1989). Effects of computer anxiety and computer experience on the computer-based achievement test performance of college students. *Applied Measurement in Education*, 3, 235-242.
- Wise, S. L., Plake, B. S., Pozehl, B. J., Barnes, L. B., & Lukin, L. E. (1989). Providing item feedback in computer-based tests: Effects of initial success and failure. *Educational and Psychological Measurement*, 49, 479-486.
- Wise, S. L., & Plake, B. S. (1989). Computer-based achievement testing. *Educational Measurement: Issues and Practice*, 8, 5-10.
- Plake, B. S., Wise, S. L., & Harvey, S. L. (1988). Test taking behavior under formula and number right conditions. *Bulletin of the Psychonomic Society*, 26, 316-318.
- Piazza, N. J., & Wise, S. L. (1988). An order-theoretic analysis of Jellinek's disease model of alcoholism. *International Journal of the Addictions*, 23, 387-397.
- Glover, J. A., Dinnel, D. L., Halpain, D. R., McKee, T. K., Corkill, A. J., & Wise, S. L. (1988). The effects of across-chapter signals on recall of text. *Journal of Educational Psychology*, 80, 3-15.
- Ponterotto, J. G., & Wise, S. L. (1987). A construct validity study of the Racial Identity Attitude Scale. *Journal of Counseling Psychology*, 34, 218-223.
- Wise, S. L., & Wise, L. A. (1987). Comparison of computer-administered and paper-administered achievement tests with elementary school children. *Computers in Human Behavior*, 3, 15-20.
- Ansoorge, C. J., Wise, S. L., & Plake, B. S. (1987). Evaluating the quality of microcomputer statistical software. *Computers in Human Behavior*, 3, 73-78.
- Wise, S. L., Plake, B. S., Eastman, L. E., & Novak, C. D. (1987). Introduction and training of students to use separate answer sheets: Effects on standardized test scores. *Psychology in the Schools*, 24, 285-288.
- Plake, B. S., Gutkin, T. B., Wise, S. L., & Kroeten, T. (1987). Confirmatory factor analysis of the WAIS-R: Competition of models. *Journal of Psychoeducational Assessment*, 5, 267-272.
- DeLaet, T. J., & Wise, S. L. (1986). The development and validation of the Personality Priorities Inventory for Adolescents. *Educational and Psychological Measurement*, 46, 455-459.
- Wise, S. L., & Tatsuoka, M. M. (1986). Assessing the dimensionality of dichotomous data using modified order analysis. *Educational and Psychological Measurement*, 46, 295-301.
- Wise, S. L., Plake, B. S., Eastman, L. A., Boettcher, L. L., & Lukin, M. E. (1986). The effects of item feedback and examinee control on test performance and anxiety in a computer-administered test. *Computers in Human Behavior*, 2, 21-29.

- Wise, S. L. (1986). The use of ordering theory in the measurement of student development. *Journal of College Student Personnel*, 27, 442-447.
- Plake, B. S., & Wise, S. L. (1986). Analysis of guessing behavior on multiple-choice examinations: Between group vs. within group designs. *Bulletin of the Psychonomic Society*, 24, 251-253.
- Wise, S. L., Duncan, A., & Plake, B. S. (1985). The effect of introducing third graders to the use of separate answer sheets on the ITBS. *Journal of Educational Research*, 78, 306-309.
- Wise, S. L. (1985). The development and validation of a scale measuring attitudes toward statistics. *Educational and Psychological Measurement*, 45, 401-405.
- Wise, S. L., Peters, L. H., & O'Connor, E. J. (1984). Identifying moderator variables: A reply to Darrow and Kahl. *Journal of Management*, 10, 227-236.
- Ulrich, D. A. & Wise, S. L. (1984). Reliability of scores obtained with the objectives-based motor skill assessment instrument using generalizability theory. *Adapted Physical Activity Quarterly*, 1, 230-239.
- Wise, S. L. (1983). Comparisons of order analysis and factor analysis in assessing the dimensionality of binary data. *Applied Psychological Measurement*, 7, 311-321.
- Wise, S. L., Braskamp, L. A., & Hengstler, D. D. (1981). Alumni ratings as an indicator of departmental quality. *Journal of Educational Psychology*, 73, 71-77.
- Braskamp, L. A., Wise S. L., & Hengstler, D. D. (1979). Student satisfaction as a measure of departmental quality. *Journal of Educational Psychology*, 71, 494-498.

Book Chapters:

- Kingsbury, G. G., & Wise, S. L. (in press). Turning the page: How smarter testing, vertical scales, and understanding of student engagement may improve our tests. In R. W. Lissitz and H. Jiao (Eds.) *Computers and their impact on state assessment: Recent history and predictions for the future*. Charlotte, NC: Information Age Publishing, Inc.
- Wise, S. L., & Smith, L. F. (2011). A model of examinee test-taking effort. In J. A. Bovaird, K. F. Geisinger, and C. W. Buckendal (Eds.) *High-stakes testing in education: Science and practice in K-12 settings (pp. 139-153)*. Washington, DC: American Psychological Association.
- Wise, S. L., & Cotton, M. R. (2009). Test-taking effort and score validity: The influence of student conceptions of assessment. In D. M. McInerney, G. T. L. Brown, & G. A. D. Liem (Eds.) *Student perspectives on assessment: What students can tell us about assessment for learning*. Greenwich, CT: Information Age Press.
- Wise, S. L., & Kong, X. (2007). Some practical uses of item response time to improve the quality of low-stakes achievement test data. In S. Sawilowsky (Ed.) *Real data analysis (pp. 271-276)*. AERA SIG/ES: Information Age Publishing.
- Erwin, T. D., & Wise, S. L. (2002). A scholar-practitioner model for assessment. In T. W. Banta (Ed.) *Building a Scholarship of assessment (pp. 67-81)*. San Francisco: Jossey-Bass.
- Erwin, T. D., & Wise, S. L. (2001). Standard setting. In R. A. Voorhees (Ed.) *Measuring what matters: Competency based models in higher education*. New Directions for Institutional Research (No. 110). San Francisco: Jossey-Bass.
- Schraw, G., Wise, S. L., & Roos, L. L. (2000). Metacognition and computer-based testing. In G. Schraw (Ed.) *Issues in the measurement of metacognition*. Lincoln, NE: University of Nebraska Press.

- Wise, S. L. (1999). Tests autoadaptados informatizados: Fundamentos, resultados, de investigación e implicaciones para la aplicación práctica (Self-adapted tests: Principles, research findings, and implications for practice). In J. Olea, V. Ponsoda, & G. Prieto (Eds.) *Tests informatizados: Fundamentos y aplicaciones*. Madrid, Spain: Ediciones Pirámide.
- Wise, S. L., & Lukin, L. E. (1993). Measurement training in Nebraska teacher education programs. In S. L. Wise (Ed.) *Teacher training in measurement and assessment skills*. Lincoln, NE: Buros Institute of Mental Measurements.
- Peters, L. H., O'Connor, E. J., & Wise, S. L. (1984). The specification and testing of useful moderator variable hypotheses. In Ferris, G. & Bateman, T. (Eds.) *Method and analysis in organizational research*. Reston, VA: Reston Publishing Company, Inc.
- Susskind, E., Roemer, D., Lazar, J., Digiondomenico, O., & Wise, S. (1979). Evaluation of a program to train police in interpersonal communication skills. In G. Lansberg, R. Hammer, & W. Neigher (Eds.), *CMHC program evaluation sourcebook*. Washington, D.C.: NIMH.

Books Written/Edited:

- Wise, S. L. (Ed.). (1993). *Teacher training in measurement and assessment skills*. Lincoln, NE: Buros Institute of Mental Measurements.
- Gutkin, T. B., & Wise, S. L. (Eds.). (1991). *The computer and the decision-making process*. Hillsdale, NJ: Lawrence Erlbaum and Associates.
- Mitchell, J. V., Plake, B. S., & Wise, S. L. (Eds.). (1990). *Assessment of teaching: Purposes, practices, and implications for the profession*. Hillsdale, NJ: Lawrence Erlbaum and Associates.

Other Publications:

- Wise, S. L., Cameron, S. L., Yang, S., & Davis, S. (2005). *Test development and administration manual for the Information Literacy Test*. Harrisonburg, VA: James Madison University, Institute for Computer-Based Assessment.
- Wise, S. L. (2002). The assessment professional: Making a difference in the 21st century. *Eye on Psi Chi*, 6(3), 16-17.
- Wise, S. L. (2002). Assessment professionals: Applying psychology to measure student outcomes. *Psi Beta Newsletter*, 22(2), 1-4.
- Wise, S. L. (2000). Review of Innovations in Computerized Assessment. *Journal of Educational Measurement*, 37(4), 375-378.
- Wise, S. L. (1995). Review of the Spanish Computer Adaptive Placement Exam. In J. Conoley & J. Impara (Eds.), *The twelfth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.
- Wise, S. L. (1995). Review of The Differential Aptitude Tests—Computerized Adaptive Version. In J. Conoley & J. Impara (Eds.), *The twelfth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.
- Wise, S. L. (1990). Review of Applied statistics: Analysis of variance and regression (2nd Ed.). *Journal of Educational Statistics*, 15(2), 175-178.
- Wise, S. L. (1988). Review of Oetting's Computer Anxiety Scale. In J. Conoley, J. Kramer, & J. Mitchell (Eds.), *The supplement to the ninth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.

- Wise, S. L. (1988). Review of the ACT Proficiency Examination in Statistics. In J. Conoley, J. Kramer, & J. Mitchell (Eds.), *The supplement to the ninth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.
- Wise, S. L. (1988). Review of Tests: A comprehensive reference for assessments in psychology, education, and business. *Journal of Educational Measurement*, 25(1), 81-84.
- Wise, S. L. (1985). A review of Epistat and SPSS/PC+. *Computers in Human Behavior*, 1, 199-202.
- Wise, S. L. (1985). Review of Prescriptive Reading Performance Test. In J. V. Mitchell, Jr. (Ed.) *The ninth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.
- Wise, S. L. (1985). Review of Diagnostic Reading Scales. In J. V. Mitchell, Jr. (Ed.) *The ninth mental measurements yearbook*. Lincoln, NE: University of Nebraska Press.
- Wise, S. L., & Plake, B. S. (1984). *A general model for evaluating the quality of statistical software: How does SPSSX rate?* Proceedings of the 1984 International SPSS Software Users Exchange.
- Yamamoto, Y., & Wise, S. L. (1980). *Extracting unidimensional chains from multidimensional data sets: A graph theory approach*. (Technical Report No. 80-2). Urbana, Illinois: Computer-Based Education Research Laboratory.
- Wise, S. L. (1980). *Some comparisons of four order-analytic methods and factor analysis for assessing dimensionality*. (Technical Report 80-7). Urbana, Illinois: Computer-Based Education Laboratory.
- Invited Addresses:
- Wise, S. L. (2011, February). *Response time and examinee motivation*. Invited presentation at the 2011 meeting of the NAEP Design and Analysis Committee, Washington, DC.
- Wise, S. L. (2011, January). *Unique challenges and opportunities in assessment of 21st century skills*. Invited presentation at the Board on Testing and Assessment (National Academies) Workshop on 21st Century Skills, Irvine, CA.
- Wise, S. L. (2009, April). *Examinee effort in low-stakes testing: Challenges and solutions*. Invited presentation at the annual meeting of the American Educational Research Association, San Diego.
- Wise, S. L. & Smith, L. F. (2007, May). *Examinee effort and high stakes testing*. Invited presentation at the 2007 conference on Contemporary Issues in High Stakes Testing, Lincoln, NE.
- Wise, S. L. (2007, February). *The unexpected advantages of eTesting*. Invited presentation at the Second DRC Interactive Summit at the State Level: Issues and Innovations, San Diego, CA.
- Wise, S. L. (2006, November). *Using item response time to identify and manage low examinee effort on low-stakes tests*. Invited presentation at Educational Testing Service, Princeton, NJ.
- Wise, S. L. (2006, October). *The unexpected advantages of eTesting*. Invited presentation at the First DRC Interactive Summit at the State Level: Issues and Innovations, Kiawah Island, SC.
- Cameron, L., & Wise, S. L. (2005, May). *Information literacy assessment at James Madison University*. Invited presentation at the 2005 Pennsylvania Library Association Workshop on Information Literacy.
- Wise, S. L. (2005, February). *Using item response time to identify and manage the data from unmotivated examinees*. Invited presentation at the 2005 Association of Test Publishers Conference on Computer-Based Testing, Scottsdale, AZ.

- Wise, S. L., & Cameron, L. (2004, January). *The Information Literacy Test (ILT)*. Invited presentation at the National Forum on Information Literacy, Washington, DC.
- Wise, S. L. (2003, February). *K-12 large scale assessment online*. Presentation at the 2003 Association of Test Publishers Conference on Computer-Based Testing, Amelia Island, FL.
- Wise, S. L. (2001, February). *Psychological issues in computer-based testing*. Presentation at the 2001 Association of Test Publishers Conference on Computer-Based Testing, Tucson, AZ.
- Wise, S. L. (1998, October). *An introduction to computer-based assessment*. Presentation at the Eastern Conference on the Teaching of Psychology, Harrisonburg, VA.
- Wise, S. L. (1991, April). *Instruments commercially available/ Designing your own instruments*. Presentation at a regional seminar of the North Central Association of Colleges and Schools, Kansas City, MO.
- Wise, S. L. (1991, May). *Instruments commercially available/ Designing your own instruments*. Presentation at a regional seminar of the North Central Association of Colleges and Schools, Denver, CO.
- Plake, B. S., & Wise, S. L. (1988, February). *Flexibility and feedback in computer-based testing: Friends or foes to educational measurement?* Invited presentation, Michigan School Conference, Ann Arbor, MI.

Presentations at Professional Meetings:

- Ma, L., Wise, S. L., Thum, Y., & Kingsbury, G. G. (2011, April). *An innovative method of detecting item response time threshold*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Bowe, B., Wise, S. L., & Kingsbury, G. G. (2011, April). *The utility of the effort-moderated IRT model in reducing negative score bias associated with unmotivated examinees*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, LA.
- Wise, S. L., Ma, L., Kingsbury, G. G., & Hauser, C. (2010, May). *An investigation of the relationship between time of testing and test-taking effort*. Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO.
- Wise, S. L., Kingsbury, G. G., & Hauser, C. (2009, April). *How do I know that this score is valid? The case for assessing individual score validity*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego.
- Kingsbury, G. G., & Wise, S. L. (2009, April). *Response time and examinee test-taking effort in an adaptive test: Measurement and modeling issues*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego.
- Wise, S. L., & Cotten, M. R. (2008, July). The relationship between students' conceptions of assessment and effort given to university assessments. Paper presented at the bi-annual meeting of the International Test Commission, Liverpool.
- Demars, C. E., & Wise, S. L. (2008, July). *An investigation of rolling person fit in identifying examinees who abandon test effort*. Paper presented at the annual meeting of the International Psychometric Conference, Durham, New Hampshire.
- Wise, S. L., & DeMars, C. E. (2008, April). *Examinee non-effort and the validity of program assessment results*. Paper presented at the annual meeting of the National Council on Measurement in Education, New York.
- Setzer, C., Wise, S. L., & Allspach, J. R. (2008, April). *An investigation of examinee test-taking effort on the Major Field Test in business*. Paper presented at the annual meeting of the American Educational Research Association, New York.

- Wendt, A., Harmes, J. C., Wise, S. L., & Jones, A. T. (2008, April). *Development and evaluation of innovative test items for a computerized nursing licensure exam*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Hauser, C. H., Kingsbury, G. G., & Wise, S. L. (2008, April). *Individual validity: Adding a missing link*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Smith, L.F., & Wise, S.L. (2007, December). *What I know – What I show: A model of motivation and effort on examinations*. Proceedings of the Annual Meeting of the New Zealand Association for Research in Education, Christchurch, New Zealand.
- Wise, S. L. (2007, November). *The problem of low examinee effort in low-stakes tests*. Paper presented at the annual meeting of the Association for Educational Assessment—Europe, Stockholm, Sweden.
- Wise, S. L. (2007, October). *Examinee effort and test score validity*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.
- Wise, S. L., Kong, X. J., & Pastor, D. A. (2007, April). *Understanding correlates of rapid-guessing behavior in low-stakes testing: Implications for test development and measurement practice*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- DeMars, C. E., & Wise, S. L. (2007, April). *Can differential rapid guessing behavior lead to differential item functioning?* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Meyer, J. P., & Wise, S. L. (2006, April). *Obtaining information from multiple-choice distractors using a nonparametric response time model*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Weiss, B. A., & Wise, S. L. (2006, April). *An investigation of new computations of response time effort*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Kong, X. J., Wise, S. L., Harmes, J. C., & Yang, S. (2006, April). *Motivational effects of praise in response-time based feedback: A follow-up study of the effort-monitoring CBT*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Wise, S. L., Bhola, D., & Yang, S. (2006, April). *Taking the time to improve the validity of low-stakes tests: The effort-monitoring CBT*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Wise, S. L., & Kingsbury, G. G. (2006, April). *An investigation of item response time distributions as indicators of compromised NCLEX item pools*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Ball, T. C., Hazard, G. A., & Wise, S. L. (2006, March). *Oral communication: It's not just about speeches anymore*. Presentation at the 2006 meeting of the Association of Colleges and Universities Network for Academic Renewal, Phoenix, AZ.
- Parshall, C. G., Harmes, J. C., & Wise, S. L. (2006, February). *Developing assessments across a continuum: Discrete items, situated tasks, and simulated environments*. Presentation at the 2006 Association of Test Publishers Conference on Computer-Based Testing, Orlando, FL.
- Harmes, J. C., Parshall, C. G., & Wise, S. L. (2005, November). *Veridicality in computer-based testing: Complexity, interactivity, and fidelity*. Paper presented at the annual meeting of the Florida Educational Research Association, Miami, FL.

- Sproles, K., Hazard, G., Murphy, K., Amato, H., Wise, S. L., Sundre, D., & Pastor, D. (2005, October). *Pedagogy and assessment*. Presentation at the 2005 joint national conference of the Association of General and Liberal Studies and the Association of Integrative Studies, Fairfax, VA.
- Wise, S. L., & DeMars, C. D. (2005, April). *An application of item response time: The effort-moderated IRT model*. Paper presented at the annual meeting of the American Educational Research Association, Montreal.
- Wise, S. L., & Kong, X. (2005, April). *Response time effort: A new measure of examinee motivation in computer-based tests*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal.
- Wise, S. L., Owens, K. M., Yang, S., Weiss, B., Kissel, H. L., Kong, X., & Horst, S. J. (2005, April). *An investigation of the effects of self-adapted testing on examinee effort and performance in a low-stakes achievement test*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal.
- Kong, X., Bhola, D. S., & Wise, S. L. (2005, April). *Setting the response time threshold parameter to differentiate solution behavior from rapid-guessing behavior*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal.
- Wise, S. L., & Anderson, R. L. (2004, June). *Computer-based assessment using the Adaptex Assessment System*. Presentation at the annual Assessment Conference of the American Association of Higher Education, Denver, CO.
- Wise, S. L., & Morrow, K. (2004, June). *Assessing collegiate student information literacy skills with the Information Literacy Test*. Presentation at the annual Assessment Conference of the American Association of Higher Education, Denver, CO.
- Wise, S. L., Kingsbury, G. G., Thomason, J., & Kong, X. (2004, April). *An investigation of motivation filtering in a statewide achievement testing program*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego.
- Anderson, R., & Wise, S. L. (2004, April). *Computer-based testing: Assessing the core competencies*. Presentation at the annual Virginia Community Colleges System's New Horizon's conference, Roanoke, VA.
- Wise, S. L., & Yang, D. (2003, December). *The Adaptex Assessment System*. Presentation at the annual project director's meeting of the Fund for the Improvement of Postsecondary Education (FIPSE), Denver.
- Wise, S. L., & DeMars, C. E. (2003, June). *Examinee motivation in low-stakes assessment: Problems and potential solutions*. Paper presented at the annual Assessment Conference of the American Association of Higher Education, Seattle.
- Sundre, D. L., & Wise (2003, April). *Motivation filtering: An exploration of the impact of low examinee motivation on the psychometric quality of tests*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Fulcher, K. H., Haley, K. A., & Wise, S. L. (2002, April). *Creating new opportunities for computer adaptive testing in higher education: The stratum CAT*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.
- Williams, K., Wise, S. L., & West, R. (2001, April). *Multifaceted measurement of critical thinking skills in college students*. Paper presented at the annual meeting of the National Council on Measurement in Education, Seattle.
- Wise, S. L., & Erwin, T. D. (2000, April). *Developing professionals in applied assessment and measurement: The James Madison University model*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans.

- Wise, S. L. (1999, April). *The rationale and principles of stratum scoring*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal.
- Wise, S. L. (1999, April). *Comparison of stratum scored and maximum likelihood-scored CATs*. Paper presented at the annual meeting of the National Council on Measurement in Education, Montreal.
- Sundre, D. L., & Wise, S. L. (1999, April). *Consulting and teaching in an assessment context*. Paper presented at the annual meeting of the American Educational Research Association, Montreal.
- Roos, L. L., Wise, S. L., & Finney, S. J. (1998, April). *Comparing restricted and unrestricted self-adapted testing as alternatives to computerized adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego.
- Wise, S. L. (1997, March). *Examinee issues in CAT*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Wise, S. L. (1997, March). *Overview of practical issues in a CAT program*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Wise, S. L., Freeman, S. A., Finney, S. A., Enders, C. K., Severance, D. D. (1997, March). *The accuracy of examinee judgments of relative item difficulty: Implications for computerized adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Wise, S. L. (1996, April). *A critical analysis of the arguments for and against item review in computerized adaptive testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, New York.
- Wise, S. L. (1995, August). *Item review and answer changing in computerized adaptive tests*. Paper presented at the 3rd European Conference on Psychological Assessment, University of Trier, Trier, Germany.
- Ponsoda, V., Olea, J., Revuelta, J., & Wise, S. L. (1995, August). *An investigation of self-adapted testing in a Spanish high-school population*. Paper presented at the 3rd European Conference on Psychological Assessment, University of Trier, Trier, Germany.
- Wise, S. L., Roos, L. L., & Plake, B. S. (1994, April). *Comparing computerized and self-adapted tests: the influence of examinee achievement locus of control*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans.
- Wise, S. L. (1994, April). Using computer technology in classroom presentations. In C. Winter (Chair), *Current trends and issues in teaching statistics*. Symposium conducted at the annual meeting of the American Educational Research Association, New Orleans.
- Plake, B. S., Roos, L. L., & Wise, S. L. (1994, April). *Effects of informed item selection on test performance and anxiety for examinees administered a self-adapted test*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans.
- Wise, S. L., Kingsbury, G. G., & Houser, R. L. (1993, April). *An investigation of restricted self-adapted testing*. Paper presented at the annual meeting of the National Council on Measurement in Education, Atlanta.
- Wise, S. L., Roos, L. L., Plake, B. S., & Nebelsick-Gullett, L. J. (1993, April). *The role of anxiety in examinee preference for self-adapted testing*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta.
- Sodowsky, G. R., Gutkin, T. B., & Wise, S. L. (1992, September). *Development and applications of the Multicultural Counseling Inventory*. Paper presented at the UNL Teachers College conference on multicultural education, Lincoln, NE.

- Wise, S. L. (1992, June). *Self-adapted testing: Promise and implications*. Paper presented at the European Conference on Educational Research, University of Twente, The Netherlands.
- Wise, S. L. (1992, April). *Graduate training for a career in educational measurement*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Roos, L. L., Plake B. S., & Wise, S. L. (1992, April). *The effects of feedback in computerized adaptive and self-adapted tests*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Scheer, J. K., Schmidt, R., & Wise, S. L. (1991, April). *Education to improve the impact of cholesterol screening on young adults*. Paper presented at the annual conference of American Association for Health, Physical Education, Recreation, and Dance, San Francisco.
- Pozehl, B. J., & Wise, S. L. (1991, April). *Application of item response theory to criterion-referenced measurements: An investigation of the effects of model choice, sample size, and test length on reliability and estimation accuracy*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago.
- Wise, S. L., Plake, B. S., Johnson, P. L., & Roos, L. L. (1991, April). *A comparison of self-adapted and computerized adaptive tests*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Johnson, P. L., Roos, L. L., Wise, S. L., & Plake, B. S. (1991, April). *Correlates of examinee choice behavior in self-adapted testing*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Wise, S. L. (1990, October). *Psychological considerations in the use of computer-based ability and achievement tests*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Nebelsick-Gullett, L. J., & Wise, S. L. (1990, October). *The viability of item-free person measurement in IRT applications*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Wise, S. L., Johnson, P. L., Plake, B. S., & Nebelsick-Gullett, L. (1990, April). *Providing examinees the opportunity to review items, skip items, and change item choices on computerized achievement tests*. Paper presented at the annual meeting of the National Council on Measurement in Education, Boston.
- Scheer, J. K., Loper, D., Wagner, L., & Wise, S. L. (1990, April). *Education to improve the impact of cholesterol screening on young adults*. Paper presented at the annual conference of American Association for Health, Physical Education, Recreation, and Dance, New Orleans.
- Wise, S. L., & Lukin, L. E. (1989, November). *Measurement training in Nebraska teacher education programs*. Paper presented at the 1989 Buros-Nebraska Symposium on Testing and Measurement, Lincoln.
- Swoboda, J. S., Dowd, E. T., & Wise, S. L. (1989). *Reframing and restraining directives in the treatment of clinical depression*. Paper presented at the 1989 World Congress of Cognitive Therapy, Oxford, England.
- Wise, S. L., & Kutish, G. W. (1989, March). *Data Desk Professional: Statistical Analysis for the Macintosh*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Wise, S. L., Plake, B. S., Pozehl, B. J., Barnes, L. B., & Lukin, L. (1988, April). *Providing item feedback in computer-based testing: Effects of initial success and failure*. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans.
- Barnes, L. L., & Wise, S. L. (1988, April). *Corrections for guessing in the Rasch model: A simulation*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans.

- Plake, B. S., & Wise, S. L. (1987, October). *Examinee selection of subsequent item difficulty: Effects of current item performance and item feedback*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Kim, H., Plake, B. S., Wise, S. L., & Novak, C. D. (1987, October). *A longitudinal study of sex-related item bias in mathematics subtests of the California Achievement Test*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Wise, S. L., Plake, B. S., Boettcher, L. L., Eastman, L. A., & Lukin, M. E. (1987, April). *The effects of item feedback on test performance and anxiety in a computer-administered test*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Wise, S. L., Boettcher, L. L., Harvey, A. L., & Plake, B. S. (1987, April). *Computer-based testing versus paper-and pencil testing: Effects of computer anxiety and computer experience*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Wise, S. L. (1987, April). *Comparative review of statistical software for microcomputers*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Walstad, W., & Wise, S. L. (1987, April). *Item response theory and economics test measurement*. Paper presented at the annual meeting of the American Educational Research Association, Washington, D.C.
- Wise, S. L., & Plake, B. S. (1987, April). *Statistical tests for identifying prerequisite and equivalence relations in ordering analysis*. Paper presented at the annual meeting of the National Council of Measurement in Education, Washington, D.C.
- Wise, S. L., and Wise, L. A. (1986, October). *Comparison of computer-administered and paper-administered achievement tests with elementary school children*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Wise, S. L., & Boettcher, L. L. (1986, October). *Correlates of computer anxiety in computer-administered achievement testing*. Paper presented at the annual meeting of the Mid-Western Educational Research Association, Chicago.
- Wise, S. L., Plake, B. S., Eastman, L. A., Boettcher, L. L., & Lukin, M. E. (1986, April). *The effects on test performance and anxiety of using examinee-selected item ordering in a computer-administered test*. Presented at the annual meeting of the National Council on Measurement in Education, San Francisco.
- Wise, S. L. (1986, April). *An evaluation of SPSS/PC+*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Plake, B. S., Wise, S. L., & Harvey, A. L. (1986, April). *Investigation of test taking behavior: Complementary research approaches*. Paper presented at the annual meeting of the National Council of Measurement in Education, San Francisco.
- Bond, S. C., Plake, B. S., Wise, S. L., & Wright, D. L. (1986, April). *Student evaluation of instructional effectiveness: Student, course, and instructor effects*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Plake, B. S., & Wise, S. L. (1985, April). Within group experimental design. In S. L. Wise (Chair), *Dynamics of guessing behavior: Methodological approaches*. Symposium conducted at the annual meeting of the National Council on Measurement in Education.
- Wise, S. L. (1985, April). *The development of a scale measuring attitude toward statistics*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.

- Plake, B. S., & Wise, S. L. (1985, April). *Evaluation of the quality of microcomputer statistical software: Are the researcher's needs being met?* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Harvey, A. L., Plake, B. S., & Wise, S. L. (1985, April). *Factors related to statistics achievement.* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Wise, S. L., Plake, B. S., & Duncan, A. L. (1985, April). *The effects of the introduction of separate answer sheets on the standardized test scores of third graders.* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Wise, S. L. (1985, April). *The effect of the number of response categories on the measurement of attitude change.* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Olson, J., Plake, B. S., & Wise, S. L. (1985, April). *Correlates and causes of mathematics anxiety: A path analytic approach.* Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Dowd, E. T., Milne, C R., & Wise, S. L. (1984, September). *The development of a scale to measure psychological reactance.* Paper presented at the annual meeting of the American Psychological Association, Toronto.
- Peters, L. A., O'Connor, E. J., & Wise, S. L. (1984, September). *Useful moderator variable hypotheses.* Paper presented at the annual meeting of the American Psychological Association, Toronto.
- Wise, S. L., & Plake, B. S. (1984, July). *A general model for evaluating the quality of statistical software: How does SPSSX rate?* Paper presented at the 1984 International SPSS Software User's Exchange, Chicago.
- Wise, S. L., & Bart W. M. (1984, April). *The measurement of replicated linear hierarchies using ordering theory.* Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans.
- Ulrich, D. A., & Wise, S. L. (1984, March). *The generalizability of the objectives-based motor skill assessment instrument.* Paper presented at the annual conference of the American Alliance for Health, Physical Education, Recreation, and Dance, Anaheim.
- Wise, S. L. (1983, April). Guessing-adjusted dominance matrices for evaluating the dimensionality of multiple-choice item data. In B. Dawson-Saunders (Chair), *New Directions in the Analysis of Item Hierarchies*. Symposium presented at the annual joint meeting of the American Educational Research Association and the National Council on Measurement in Education, Montreal.
- Wise, S. L. (1982, March). *Using partial orders to determine unidimensional item sets appropriate for item response theory.* Paper presented at the annual meeting of the National Council of Measurement in Education, New York.
- Ory, J. C., & Wise, S. L. (1981, April). *Attitude change measured by scales with four or five response options.* Paper presented at the annual meeting of the American Educational Research Association, Los Angeles.
- Yamamoto, Y., & Wise, S. L. (1980, March). *Extracting unidimensional chains from multidimensional data sets: A graph theory approach.* Presented at the meeting of the Office of Naval Research contractors, Iowa City.
- Wise, S. L., Braskamp, L. A., & Hengstler, D. D. (1980, April). *Alumni ratings as an indicator of departmental quality.* Paper presented at the annual meeting of the American Educational Research Association, Boston.
- Wise, S. L. (1980, April). *An approach to sensitive questions: The randomized response technique.* Paper presented at the annual meeting of the American Educational Research Association, Boston.

- Roemer, D., Susskind, E., Wise, S., Digiondomenico, O., & Lazar, J. (1977, August). Training police in communication skills: A case study in consultation skills. In E. Susskind (Chair), *Community Psychological Intervention in the Criminal Justice System*. Symposium presented at the meeting of the American Psychological Association, San Francisco.
- Wise, S. L. (1977, April). Utilizing archival data to evaluate a police training program. In E. Susskind (Chair), *A Policeman's Lot is not a Happy One: Training Police in Interpersonal Communications Skills*. Symposium presented at the meeting of the Eastern Psychological Association.
- Susskind, E., Roemer, D., Lazar, J., Digiondomenico, O., & Wise, S. (1977, February). *Evaluation of a program training police in interpersonal communication skills*. Presented at the National Conference on Criminal Justice Evaluation, Washington, D.C.