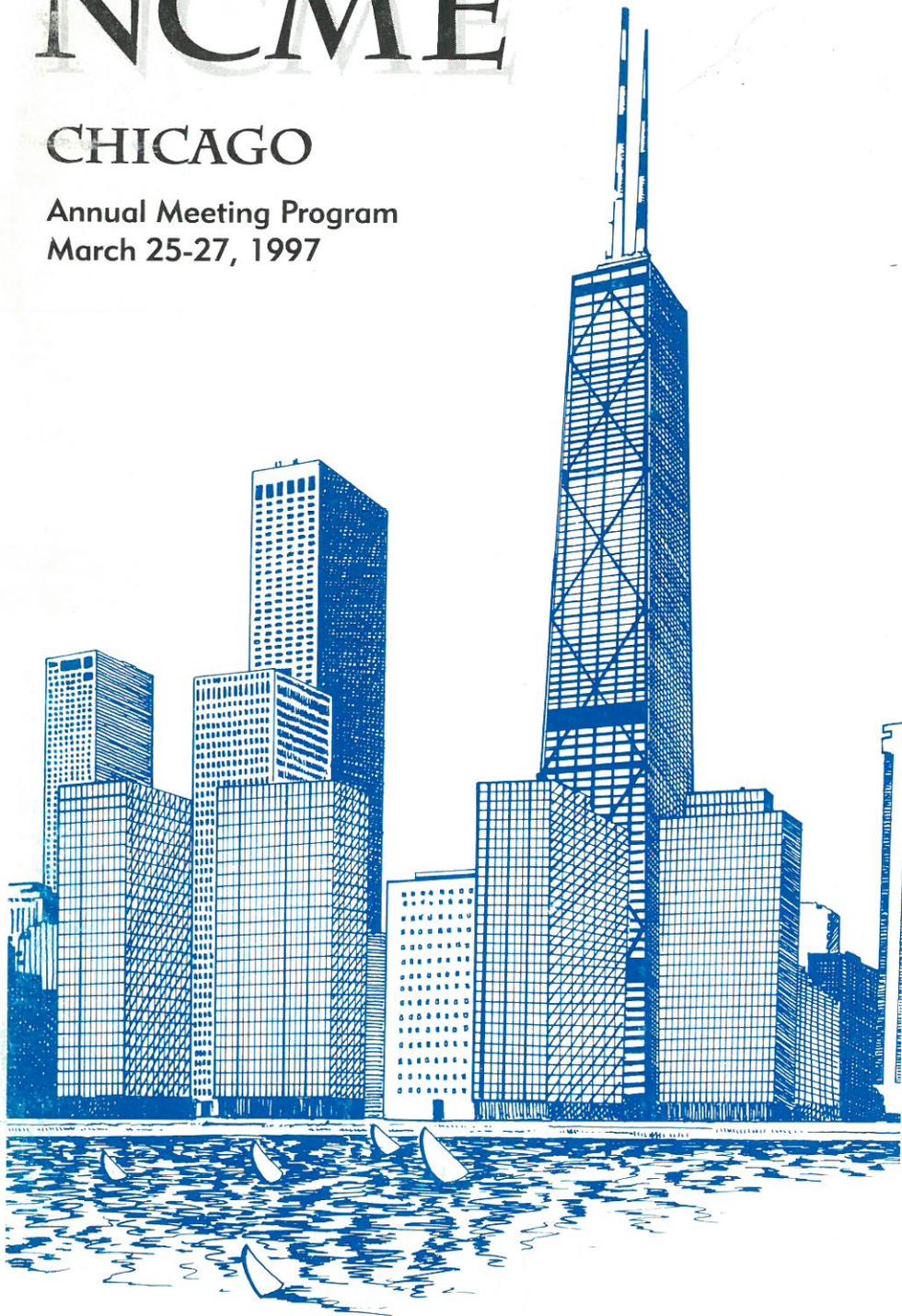


NCME

CHICAGO

Annual Meeting Program
March 25-27, 1997



**NATIONAL COUNCIL
ON MEASUREMENT
IN EDUCATION**

1997
ANNUAL MEETING
PROGRAM

Hyatt Hotels & Resorts
Sheraton Hotel & Towers
Chicago, Illinois
March 25-27, 1997

NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION

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*The co-chairs would like to acknowledge Sarah Logan and Carmen Donovan of ACT for their production of the 1997 Program.

FUTURE NCME MEETINGS

1998	San Diego	April 14-16
1999	Montreal	April 20-22
2000	New Orleans	April 25-27

PROPOSAL REVIEWERS

Terry Ackerman	Menucha Birenbaum	JoEllen Carlson
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Barbara Dodd
John Donoghue
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Neil Dorans
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George Engelhard
Jane Faggen
Carol Featherman
Robert Forsyth
Joy Frechtling
John Fremer
Ann French
David Frisbie
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Xiaohong Gao
Kurt Geisinger
Elizabeth Gittman
Douglas Glasnapp
Sharon Goldsmith
Marna Golub-Smith
Bert Green
Kathy Green
Bruce Hall
Ronald Hambleton
Brad Hanson
Dwight Harley
Deborah Harris
John Hattie
Rebecca Hetter
Tom Hogan
Paul Holland
Mark Houston
Gerunda Hughes
Barbara Hummel-Rossi
Stanley Jacobs
Eugene Johnson
Marilyn F. Johnson
Martha Jones
Brian Junker
Elizabeth Kaido
John Kalohn

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Seock Kim
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Neal Kingston
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William Mehrens
David Miller
Tim Miller
David Mittelholtz
Ratna Nandakumar
Lori J. Neblsick-Gullett
Alan Nicewander
Anthony Nitko
John F. Olson
Cynthia G. Parshall
Thanos Patelis
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Maria Pennock-Roman
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Maria Potenza
Steven Pulos
Audrey L. Qualls
Nambury S. Raju
Mark Reckase
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Lynda M. Reese
Robert R. Rentz
Carol Robinson-Singer

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William Stout
Raja G. Subhiyah
Richard R. Sudweeks
Deborah Switzer
Catherine S. Taylor
Bruce Thompson
Jon S. Twing
Timothy R. Vansickle
Walter D. Way
Melvin W. Webb
Cathy Wendler
Cheryl Wild
David E. Wiley
Mark Wilson
Lauress L. Wise
Wendy M. Yen
Bokhee Yoon
John W. Young

NCME TRAINING SESSIONS

Admission to the training sessions is limited to ticket holders. Tickets may be obtained by writing to Training/NCME, 1230 17th Street, NW, Washington, DC 20036-3078. **Please enclose payment and a self-addressed stamped envelope.** The deadline for ordering tickets is March 1, 1997. Any remaining available tickets will be sold on a first-come, first-served basis at the conference registration area.

Course A, Thursday, March 27, 2:15 - 6:15 pm

Fee: \$15

APPLICATION OF STRUCTURAL EQUATION MODELING TECHNIQUE TO PERFORMANCE-BASED MEASUREMENT

Presenter:

Jamal Abedi, National Center for Research on Evaluation, Standards, and Student Testing (CRESST), University of California, Los Angeles

The use of structural equation modeling in assessing reliability, concurrent validity, and generalizability of performance-based measures will be illustrated. Participants will be assisted in setting up their own models on the computer. They also will receive a booklet discussing performance-based measures, their psychometric properties, the application of structural modeling to such measures, and samples of computer input and output.

Course BB, Monday, March 24, 8:30 am - 5:00 pm

Fee: \$95

PRACTICAL ISSUES IN CREATING TEST SPECIFICATIONS FOR MULTIPLE-CHOICE AND PERFORMANCE ASSESSMENTS

Presenter:

Susan Thomas, IBM Corporation

The purpose of this training session is to familiarize participants with the practical issues that arise when test specifications are created for multiple-choice and/or performance assessments. Issues relating to providing evidence for the validity of the assessments through linkages to either job or task analyses will be the primary concern. The intended audience is those persons involved in test development and validation who are interested in creating test specifications that are linked to job or task analyses.

STATISTICAL AND PRACTICAL ISSUES IN STUDIES OF LOCAL ITEM DEPENDENCE

Presenters:

Huynh Huynh, University of South Carolina; Steven Ferrara and Hillary Michaels, Maryland State Department of Education

The major objective of the course is to acquaint the audience with various technical and practical issues that relate to local item dependence (LID) in the construction and use of constructed response items. The issues are: (a) implications of LID for the technical quality of the measurement instruments and the interpretation of the data; (b) statistical techniques to assess LID; (c) a scheme to categorize contextual factors that might affect LID; and (d) practical steps to lessen the impact of contextual LID on the development of constructed response items.

Both lectures and hands-on exercises will be used for the course. Lectures will provide the audience with an understanding of basic LID issues and techniques to deal with LID. Hands-on exercises based on the released items of the Maryland School Performance Assessment Program (MSPAP) will provide the audience with the opportunity to apply the techniques to real-life problems.

GENERALIZABILITY THEORY AND APPLICATIONS

Presenters:

Robert L. Brennan, University of Iowa; Xiaohong Gao, ACT

Generalizability theory liberalizes and extends classical test theory. In particular, generalizability theory enables an investigator to disentangle multiple sources of error through the application of analysis of variance procedures to assess the dependability of measurements. Consequently, generalizability theory is applicable to a broad range of measurement, evaluation, and testing studies that arise in education.

The primary goals of this training session are to enable participants to understand basic principles of generalizability theory, to conduct relatively straightforward generalizability theory, to conduct relatively straightforward generalizability analyses, and to interpret and use the results of such analyses. Mathematical and statistical foundations will be treated only minimally. Major emphasis will be placed upon quickly enabling participants to conduct and interpret relatively straightforward generalizability analyses, then more complicated ones. Examples will include consideration of writing assessments and other types of performance assessments.

Prerequisites include knowledge equivalent to one course in educational measurement and familiarity with ANOVA at the level treated in introductory graduate courses in education and psychology. A monograph written by the director and entitled *Elements of Generalizability Theory* will be distributed to participants and used as a principle reference in the training session. This monograph is coordinated with the computer program called GENOVA for performing generalizability analyses.

ITEM RESPONSE THEORY: THEORY AND PRACTICE

Presenters:

Hariharan Swaminathan, University of Massachusetts; H. Jane Rogers, Teachers College, Columbia University

The purpose of the training session is to provide an introduction to item response theory (IRT), to explain and illustrate how IRT can successfully solve some vexing measurement problems, and to provide hands-on experiences in applying IRT procedures. Following a brief review of classical test theory and its shortcomings, models and procedures appropriate for dichotomous item responses are introduced and discussed. Methods for item selection and test construction are described along with procedures for equating and identifying differentially functioning items. Computer adaptive testing is described. Models and procedures appropriate for polytomously scored items are then introduced and described.

STUDENT AFFECT: ASSESSMENT STRATEGIES AND INSTRUCTIONAL PROCEDURES

Presenter:

W. James Popham, University of California, Los Angeles

Although most educators subscribe to the importance of students' affective status, few know how to assess students' affective changes. Even fewer know how to design instructional sequences that will make a difference in assessed student affect. This training session will provide attendees with the knowledge and skills they need to develop affective assessment instruments suitable for classroom use of large-scale assessment. In addition, the session will help attendees learn how to design instructional sequences apt to have an impact on the affective variables being assessed. The intended audience for the session includes: (1) measurement personnel in testing agencies or governmental assessment programs whose measurement responsibilities extend into the affective domain; and (2) classroom teachers and school administrators who wish to direct aspects of their instructional programs toward affective targets.

COMPUTER ADAPTIVE TESTING: ISSUES AND APPLICATIONS

Presenters:

Cynthia G. Parshall, University of South Florida; Tim Davey, ACT

The session will cover a wide range of issues which must be considered for the successful implementation of a computerized testing program. These topics will include practical concerns such as the appropriate means for estimating reliability and validity in computerized assessment. Issues currently being researched, such as exposure control, methods for ensuring content coverage, item review, and calibration will also be addressed.

The training session will then cover basics of item response theory, with an emphasis on the psychometric issues that are essential to computer adaptive testing. Psychometric topics will include item response functions, item selection algorithms, and ability estimation. Competing models for computerized assessment will be presented. These different testing models, which include computerized linear, adaptive, and classification tests, will be compared on the basis of item development requirements, flexibility, efficiency, security, and cost.

PRACTICAL AND TECHNICAL ISSUES IN THE USE, DEVELOPMENT, SCORING, AND EQUATING OF PERFORMANCE ASSESSMENTS

Presenters:

Catherine J. Welch, Deborah J. Harris, Dara Martinovich-Barhite, ACT

This training session will familiarize participants with practical and technical problems that are encountered in the development, scoring and use of performance assessments and present strategies and approaches to solving these problems. The training will include such topics as dealing with development issues, topic effects, rater effects, assessing and minimizing differential item functioning, rater training procedures, rater stability, generalizability, comparability, scaling, equating, validity, reliability, reporting, setting cut scores, and interpretability. The examples used will be drawn primarily from direct writing assessments and portfolios, though other types of performance assessments will be included. The focus of the session is on addressing the technical aspects of practical issues that arise when performance assessments are used in an arena larger than a single classroom.

USING HUMOR IN THE CLASSROOM AND IN PROFESSIONAL PRESENTATIONS

Presenter:

Ronald A. Berk, Johns Hopkins University

The purpose of this presentation is to provide academicians, in-service trainers, and staff development leaders with techniques for writing and delivering humorous material to students, peers, politicians, and lay audiences. The techniques are designed for professionals who consider themselves "humor impaired" as well as for jocular veterans who use humor regularly in their presentations. The classroom strategies are applicable to courses, training programs, and workshops at any level and in any discipline or content area; the presentation techniques are adaptable to research presentations, critiques, keynote or plenary speeches, and committee meeting reports. A wide range of types and forms of humor are described and illustrated, especially low-risk methods that can be systematically integrated into class syllabi and presentation handouts, examples and problem sets, examinations, and opening and closing remarks. Examples include quotations and proverbs, cartoons, multiple-choice items, top 10 lists, anecdotes, disclaimers and funding sources, television shows and movies, and skits/dramatizations, such as research "Tool Time," Mister Researcher's Neighborhood, and Jeopardy! type reviews for exams. Participants are encouraged to bring samples of humorous material or techniques they have used to present in the afternoon session (voluntary).

NCME PRESENTATION SESSIONS

MONDAY, MARCH 24, 1997

MONDAY, 4:15 - 7:15 PM

Sheraton: Parlor C, Level 3

NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers.

MONDAY, 4:05 - 5:35 PM

Hyatt: Grand Ballroom C/D South,
East Tower, Ballroom Level

**AA ISSUES IN MEASUREMENT: USING TAKE-HOME EXAMINATIONS IN
THE RECERTIFICATION PROCESS**

(Symposium; Co-Sponsors: AERA Division I; AERA Division D;
SIG/Professional Licensure and Certification)

Moderator: Steven M. Downing, American Board of Internal Medicine

Presenters:

Test Development Issues for a Take-Home Recertification Examination

Paul A. Poniatowski, American Board of Internal Medicine

Using Item Analysis Data to Improve Take-Home Examinations

Steven M. Downing, American Board of Internal Medicine

Psychometric Characteristics of a Take-Home Examination

Rebecca S. Lipner, American Board of Internal Medicine

Methods for Scoring and Setting Standards on a Take-Home Examination

John J. Norcini, American Board of Internal Medicine

Discussant: Benson S. Munger, American Board of Emergency Medicine

TUESDAY, MARCH 25, 1997

TUESDAY, 8:15 - 10:15 AM

Hyatt: Comisky, West Tower, Concourse Level

A1 UPDATE ON REVISION OF THE STANDARDS

(Invited Symposium, Co-sponsor: AERA Division D)

Organizer/Moderator: Daniel R. Eignor, Educational Testing Service

General Update on Status of Project

Eva L. Baker, University of California at Los Angeles

Update on Chapter on Test Development

Suzanne Lane, University of Pittsburgh

Discussion of New Chapter on Test Fairness

Lloyd Bond, University of North Carolina-Greensboro

Update on Chapter on Rights of Test Takers

Bert F. Green, Jr., Johns Hopkins University

Update on Chapter on Testing Individuals with Disabilities

Diana Pullin, Boston College

Discussants: Ellen Julian, National Council of State Boards of Nursing; Paul LeMahieu, University of Delaware; Nambury Raju, Georgia Institute of Technology

TUESDAY, 8:15 - 10:15 AM

Hyatt: Columbian, West Concourse, Tower Level

A2 THE RASCH TIGER TEN YEARS LATER: USING IRT TECHNIQUES TO MEASURE ACHIEVEMENT IN SCHOOLS

(Invited Symposium, Sponsored by National Association of Test Directors)

Organizer/Moderator: Joseph O'Reilly, Mesa Public Schools

Presenters:

Gage Kingsbury, Portland Public Schools; Ronald L. Houser, Portland Public Schools; Joseph O'Reilly, Mesa Public Schools; Marc Becker, Glendale Union High School District; Bob Hess, Arizona State University West

Discussants: Joe Ryan, Arizona State University West; H. D. Hoover, University of Iowa

A3 VALIDITY OF TEST SCORES AND DECISIONS

(Paper Presentations)

Moderator: Kathleen O'Neill, Educational Testing Service

Presenters:

Potential Impact of the Addition of a Writing Assessment on Admissions Decisions

Brent Bridgeman, Frederick J. McHale, Educational Testing Service

An Investigation of the Validity of Locally Developed Performance Measures in a School Assessment Program

Kevin D. Crehan, University of Nevada

Indicators of the Effectiveness of Developmental Course Placement Systems in College

Richard L. Sawyer, ACT

An Approximation of a Hierarchical Logistic Regression Model Used to Establish the Predictive Validity of an Examination With a Dichotomous Criterion

Amy E. Schmidt, National Development and Research Institutes, Inc.

Three-Level HLM Modeling of Academic and Contextual Variables Related to SAT Scores in Texas

Linda L. Hargrove, Michael X. Mao, Texas Education Agency

Discussants: Brian Clauser, National Board of Medical Examiners; David Payne, University of Georgia

B1 THE FUTURE OF NAEP: TECHNICAL ISSUES RELATING TO NAEP REDESIGN

(Symposium)

Organizer: Arnold A. Goldstein, National Center for Education Statistics

Moderator: Sharif Shakrani, National Center for Education Statistics

Presenters:

Robert Mislavy, Educational Testing Service; Gary Phillips, National Center for Education Statistics; Pasquale DeVito, Rhode Island Department of Education

Discussant: Robert Glaser, University of Pittsburgh

B2 TECHNICAL ISSUES IN COMPUTER-BASED TESTS

(Paper Presentations)

Moderator: Anne Harvey, Educational Testing Service

Presenters:

The Accuracy of Examinee Judgments of Relative Item Difficulty: Implications for Computerized Adaptive Testing

Steven L. Wise, Sharon A. Freeman, Sara J. Finney, Craig K. Enders, Donald D. Severance, University of Nebraska-Lincoln

A Simulation Study of the Use of the Mantel-Haenszel and Logistic Regression Procedures for Assessing DIF in a CAT Environment

Linette P. Ross, National Board of Medical Examiners; Ratna Nandakumar, University of Delaware; Brian E. Clauser, National Board of Medical Examiners

Controlling Test and Computer Anxiety: Test Performance Under CAT and SAT Conditions

Mark D. Shermis, Howard Mzumara, Scott Bublitz, IUPUI Testing Center

Computer Versus Paper and Pencil Assessment of Self-Concept: Psychometric Equivalence and Respondent Preferences

Walter P. Vispoel, Timothy Bleiler, Jaeyool Boo, Karen Steger-May, Chuan-Ju Lin, Ahmet Turhan, The University of Iowa

Discussants: Jon S. Twing, NCS; Wayne Patience, ACT

B3 DIMENSIONALITY AND LOCAL DEPENDENCE

(Paper Presentations)

Moderator: Terry Ackerman, University of Illinois

Presenters:

Local Dependence Assessment for Exams With Polytomous Items and Incomplete Item-Examinee Layouts

Brian T. Habing, William Stout, University of Illinois; John R. Donoghue, Educational Testing Service

A DIMTEST-Based Index of the Amount of Multidimensionality

Furong Gao, William F. Stout, University of Illinois at Urbana-Champaign

The Effect of Local Item Dependence and Reliability on Construct Validity in Thematically Designed Tests

Valerie B. Link, Gordon E. Wainwright, CTB/McGraw-Hill

Assessing Dimensionality Using a Likelihood-Ratio Chi-Square Test Based on a Nonlinear Factor Analysis of Item Response Data

Marc E. Gessaroli, Andre DeChamplain, National Board of Medical Examiners

Discussants: M. David Miller, University of Florida; Mark Wilson, University of California

TUESDAY, 10:35 AM - 12:05 PM

Hyatt: Columbus Hall G, East Tower,
Ballroom Level

B4 ADVANCES IN PARTIAL CREDIT MODELS WITH APPLICATIONS TO PERFORMANCE ASSESSMENT

(Symposium; Co-Sponsors: AERA Division D; AERA Division I; SIG/Rasch Measurement)

Moderator: Shawn Quilter, Eastern Michigan University

Presenter:

Advances in Partial Credit Models With Application to Performance Assessment

Huynh Huynh, University of South Carolina

Discussants: Eugene Johnson, Educational Testing Service; John M. Linacre, University of Chicago; Joseph M. Ryan, Arizona State University West

TUESDAY, 12:25 - 1:55 PM

Hyatt: Comisky, West Tower, Concourse Level

C1 COGNITIVE PERSPECTIVES ON A LARGE SCALE VERBAL ASSESSMENT

(Symposium)

Organizer: Gary Buck, Educational Testing Service

Moderator: Howard Everson, The College Board

Presenters:

Identification of the Attributes Underlying Performance on the Verbal Section of the SAT

Gary Buck, Tom VanEssen, Kikumi K. Tatsuoka, Educational Testing Service

Error of Measurement and Reliability of Attribute Scores

Kikumi K. Tatsuoka, Educational Testing Service

The Generalizability of SAT Verbal Attributes between Test Forms

Gary Buck, Irene Kostin, Educational Testing Service

Investigating the Relationships between the Verbal and the Mathematics Attributes

Gwyneth Boodoo, Gary Buck, Kikumi K. Tatsuoka, Educational Testing Service

Discussants: Henry Braun, Educational Testing Service; Robert Glaser, University of Pittsburgh

C2 RATER COGNITION AND REASONING: IMPLICATIONS FOR THE VALIDITY AND RELIABILITY OF PERFORMANCE ASSESSMENTS

(Symposium)

Organizer: Mario Yepes-Baraya, Educational Testing Service

Moderator: Brian Gong, Kentucky Department of Education and University of Louisville

Presenters:

Examining the Quality of Rater Reasoning: Confronting the Barriers to Valid and Reliable Portfolio Assessment

Joan I. Heller, Athena M. Nunez, Karen Sheingold, Educational Testing Service
A Framework for Detecting and Diagnosing Rater Errors

Edward W. Wolfe, Educational Testing Service; Chris W. T. Chiu, Michigan State University

High Demand Rating Systems: The Relationship of Expertise, Knowledge, and Technical Quality in Transfer-Focused Rating

Eva Baker, Zenaida Aguirre-Munoz, UCLA, CSE/CRESST

Characterization of Complex Performance: From Qualitative Features to Scores and Decisions

Isaac I. Bejar, Mario Yepes-Baraya, Susan J. Miller, Educational Testing Service

Discussant: Mark Reckase, ACT

C3 ITEM RESPONSE MODELS

(Paper Presentations)

Moderator: Deborah L. Bandalos, University of Nebraska

Presenters:

Realistic Simulation of Item Response Data

Tim Davey, Michael Nering, Tony Thompson, ACT

An Expansion of the Logistic Positive Exponent Family of Models to a Family of Graded Response Models

Fumiko Samejima, University of Tennessee

Information From Distractors in Multiple Choice Items: Routine Identification and Use in IRT

David Andrich, Irene Styles, Murdoch University; Jim Tognolini, University of New South Wales

Simulation Study of the Effectiveness of DETECT in Estimating Local Item Dependence

Louis A. Roussos, Lynda Reese, Law School Admission Council

Discussants: Andre DeChamplain, National Board of Medical Examiners; Anne Fitzpatrick, CTB/McGraw-Hill

TUESDAY, 12:25 - 1:55 PM

Hyatt: Hong King, West Tower, Ballroom Level

C4 LARGE-SCALE ACHIEVEMENT ASSESSMENT I

(Paper Presentations)

Moderator: Dean Colton, ACT

Presenters:

Cognitive and Linguistic Factors in a New Performance Instrument for Higher Education
Eduardo C. Cascallar, The City University of New York

An Evaluation of a State-Wide Direct Assessment of Writing Program

James E. McLean, Scott W. Snyder, University of Alabama at Birmingham

Policy Making and Measurement with Integrity: An Oxymoron—or Just High Wire Balancing in a Political Den?

Doris L. Redfield, Virginia Department of Education

An Examination of Construct Validity of Multiple Choice Versus Constructed Response Tests

Yelena Perkhounkova, H. D. Hoover, Robert D. Ankenmann, University of Iowa

Discussants: Peter Behuniak, CT State Department of Education; Thanos Patelis, Stamford Public Schools

TUESDAY, 2:15 - 3:45 PM

Hyatt: Comisky, West Tower, Concourse Level

D1 APPLICATIONS OF TECHNOLOGY IN SETTING PERFORMANCE STANDARDS: PRACTICAL SOLUTIONS AND RESIDUAL PROBLEMS

(Symposium)

Organizer/Moderator: Gregory J. Cizek, University of Toledo

Presenters:

A Didactic on Data Analysis for Dealing With Angoff-Type Ratings in an IRT Context

Richard M. Luecht, National Board of Medical Examiners

Performance Examinations: Technology for Analysis and Standard Setting

Mary E. Lunz, American Society of Clinical Pathologists

A System for Interactive Standard Setting

Isaac Bejar, Sean Walen, Educational Testing Service

What Technology Cannot Offer for Setting Standards on Complex Performance Examinations

Mari A. Pearlman, Educational Testing Service

TUESDAY, 2:15 - 3:45 PM

Hyatt: Columbian, West Tower, Concourse Level

D2 MEASURING AND USING THE LINKS AMONG LOCAL, STATE, NATIONAL AND INTERNATIONAL ASSESSMENTS—HOW EDUCATORS HAVE TURNED THEIR THIRD INTERNATIONAL MATH AND SCIENCE ASSESSMENT DATA INTO SCHOOL IMPROVEMENT INFORMATION

(Symposium)

Organizer/Moderator: John Dossey, Illinois State University

Presenters:

Direct Connection—A Consortium of Local Districts Compares Itself to the World

David Kroeze, Northbrook, Illinois School District 27

Comparing a State's Math and Science Outcomes With 40 Countries

Thomas Kerins, Illinois State Board of Education

Equating State Assessments to TIMSS Scales

Sam Krug, MetriTech, Inc.

Discussants:

Jeri Nowakowski, North Central Regional Education Laboratory; Randy Phippen, Illinois School District 202

TUESDAY, 2:15 - 3:45 PM

Hyatt: Addams, West Tower, Third Floor

D3 CLASSROOM ASSESSMENT

(Paper Presentations)

Moderator: Hillary Michaels, MD State Department of Education

Presenters:

Assessment Practices Inventory: A Multivariate Analysis of Measurement Training and Years of Teaching

Zhicheng Zhang, Virginia Military Institute; Judith A. Burry-Stock, University of Alabama

Computer Software for Classroom Assessment Purposes

Michelle A. Mengeling, The University of Iowa and The Assessment Training Institute

Examining Teacher Educators' Knowledge of Classroom Assessment: A Pilot

Jennifer J. Fager, Western Michigan University; Barbara S. Plake, James C. Impara, Buros Institute of Mental Measurements/University of Nebraska

Improving the Reliability of Classroom Tests

Dale G. Shaw, University of Northern Colorado; Suzanne Young, University of Wyoming

Discussants: Rick Stiggins, Assessment Training Institute; Judy Arter, Northwest Regional Educational Labs

E1 CAREER DIRECTIONS IN MEASUREMENT: BEYOND THE DISSERTATION

(Invited Symposium; Sponsored by NCME Graduate Student Issues Committee; Co-Sponsor: AERA Division D)

Organizer: Sharon Slater, University of Massachusetts at Amherst

Moderator: Robert L. Brennan, University of Iowa

Presenters:

Linda Cook, Educational Testing Service; Linda M. Crocker, University of Florida; Steven Ferrara, Maryland State Department of Education; Ronald J. Nungester, National Board of Medical Examiners; Laress L. Wise, Human Resources Research Organization

Immediately following the presentations a reception will be held. The reception is sponsored by ACT, the American Council on Education, Professional Examination Service, CTB/McGraw-Hill, ETS, the National Board of Medical Examiners, and Harcourt Brace Educational Measurement. Both the session and reception are open to all AERA and NCME members; graduate students are especially encouraged to attend to meet professionals in the field.

E2 INTEGRATING TEST DESIGN WITH PSYCHOMETRIC THEORY: USING A NONPARAMETRIC TOOLBOX FOR ASSESSING DIMENSIONALITY

(Invited Symposium, Co-Sponsor: AERA Division D)

Organizer/Moderator: Terry Ackerman, University of Illinois

Presenters:

Integrating Test Design With Psychometric Theory: Using a Nonparametric Toolbox for Assessing Dimensionality (Introduction)

Terry Ackerman, University of Illinois

A Conditional Covariance Theory for Doing Item Level Multidimensionality Analyses Assuming a Generalized Compensatory Multidimensional IRT Model

William Stout, University of Illinois

Geometric Representation of Multidimensional Test Structure Based on Inter-Item Conditional Covariances

Dan Bolt, University of Illinois

Multidimensionality Assessment via DIMTEST and HCA/CCPROX

Louis Roussos, Law School Admissions Council

Multidimensionality Assessment via DETECT

Jinming Zhang, Educational Testing Service

Assessing Multidimensionality of Polytomous Data

Ratna Nandakumar, University of Delaware

Estimation of Conditional Covariance at Each Level of Examinee Ability

Brian Habing, University of Illinois

Using the Nonparametric Toolbox to Assess Test Dimensionality

Terry Ackerman, University of Illinois

Discussants: Brian Junker, Carnegie Mellon University; Marc Gessaroli, National Board of Medical Examiners

TUESDAY, 4:05 - 6:05 PM

Hyatt: Addams, West Tower, Third Floor

E3 SCALING AND SCORE COMPARABILITY

(Paper Presentations)

Moderator: Nancy S. Petersen, Educational Testing Service

Presenters:

Factor Structure Invariance of Accommodated and Non-accommodated Performance Assessments

Elizabeth Tippets, Hillary Michaels, Maryland State Department of Education

Comparing Translated Items Using Bilingual and Monolingual Examinees

Gray Berberoglu, Middle East Technical University; Stephen G. Sireci, Ronald K. Hambleton, University of Massachusetts

An Analysis of IRT Scaling With Three Known Patterns of Variability

Kevin M. Andrews, ACT

Investigating the Reasons Why Item Response Theory (IRT) Theta Scale Shrinks for Higher Achieving Groups.

Md Hafidz Omar, The University of Kansas; H. D. Hoover, The University of Iowa

Judgmental Item Difficulty Parameter Estimates for Item Response Theory Applications

Suci M. Isman, R. J. DeAyala, Robert W. Lissitz, University of Maryland

Discussants: Samuel A. Livingston, Educational Testing Service; Bradley A. Hanson, ACT

TUESDAY, 4:05 - 6:05 PM

Hyatt: Grand Ballroom E/F, East Tower,
Ballroom Level

E4 DEVELOPING COHERENCE BETWEEN ASSESSMENT AND REFORM IN THE LICENSING AND PROFESSIONAL DEVELOPMENT OF TEACHERS

(Symposium; Co-Sponsors: AERA Division D; AERA Division K)

Moderator: Linda Darling-Hammond, Teachers College, Columbia University

Presenters:

Introduction to the Interstate New Teacher Assessment and Support Consortium (INTASC) and Rationale for the Design of the Assessment System

Jean Miller, Council of Chief State School Officers

Preparing Readers to Evaluate Portfolios

William Thompson, TBA Consulting

Overview of the Validity Research Agenda and Preliminary Results From Studies of Reader Processes and Reliability

Pamela Moss, Aaron Schutz, Kathleen Collins, University of Michigan

Issues in Statewide Implementation

Raymond Pecheone, Connecticut State ED; Linda Wurzbach, Council of Chief State School Officers

Discussants: Lorrie Shepard, University of Colorado; Diana Pullin, Boston College; James Gee, Clark University; Mary Diez, Alverno College

TUESDAY, 4:05 - 6:05 PM

Hyatt: Grand Ballroom C/D South, East Tower,
Ballroom Level

E5 NAEP: ITS FUNCTION AND ITS FUTURE

(Symposium; Co-Sponsors: AERA Division C; AERA Division D)

Moderator: Emerson Elliott, Consultant

Presenters:

The Nature and Purpose of NAEP

NAEP's Current Role as a National Indicator

Pascal D. Forgione, Jr., NCES

The Significance of NAEP for the States

Barbara Kapinus, Council of Chief State School Officers

Orienting NAEP for Effective School Change

What NAEP Could Be in Reading

P. David Pearson, Michigan State University

What NAEP Could Be in Math

Alan Schoenfield, University of California, Berkeley

Connecting NAEP Outcomes to a Broader Context of Educational Information

George Bohrnstedt, AIR

Discussant: Robert Glaser, University of Pittsburgh

TUESDAY, 6:05 - 7:00 PM

Hyatt: Regency A, West Tower, Ballroom Level

NO HOST COCKTAIL PARTY AND RECEPTION

Members of NCME are invited to the annual No Host Cocktail Party and Reception which will be held in conjunction with the NCME Graduate Student Issues Committee reception.

WEDNESDAY, MARCH 26, 1997

WEDNESDAY, 5:50 - 7:30 AM

Hyatt: Inside Lobby

F1 NCME FITNESS RUN/WALK

Co-Directors: Ronald A. Berk, Johns Hopkins University; Gretchen W. Bercaw, Expertise Event Management

Run or walk 5K/2.5K course along Lake Michigan. Meet in the lobby of the Hyatt Regency Hotel at 5:50 a.m. Group will leave promptly at 6:00 a.m. for the Columbia Yacht Club. Runners/walkers can return to their hotels when they have completed the course. Preregistration is required.

This event is made possible through the sponsorship of: Harcourt Brace Educational Measurement; CTB/McGraw-Hill; Riverside Publishing Company; Runner's World.

WEDNESDAY, 8:00 - 9:00 AM

Sheraton: Chicago Ballroom VII, Level 2

G1 NCME ANNUAL BREAKFAST

WEDNESDAY, 9:00 - 10:15 AM

Sheraton: Chicago Ballroom VII, Level 2

H1 NCME BUSINESS MEETING AND PRESIDENTIAL ADDRESS

Measurement (Mis)conceptions at the Intersection of Theory and Practice

Robert L. Brennan, University of Iowa

WEDNESDAY, 10:35 AM - 12:05 PM

Sheraton: Superior A/B, Level 2

I1 NEW STANDARDS IMPLEMENTATION OF STANDARDS-REFERENCED PERFORMANCE ASSESSMENT

(Symposium)

Organizer: Bokhee Yoon, New Standards, University of California, Office of the President

Moderator: Michael J. Young, New Standards, LRDC, University of Pittsburgh

Presenters:

What is a Standard?

Lauren Resnick, New Standards, LRDC, University of Pittsburgh

What is a Standards-referenced Assessment?

David E. Wiley, Northwestern University

How Do You Develop a Standards-referenced Assessment?

Phil Daro, New Standards, University of California, Office of the President

Estimating Consistency and Accuracy of Classifications in Standards-referenced Assessment

Michael J. Young, New Standards, LRDC, University of Pittsburgh; Bokhee Yoon, New Standards, University of California, Office of the President

Discussants: Edward H. Haertel, Richard Shavelson, Stanford University

I2 TEST SECURITY ISSUES

(Invited Symposium, Co-Sponsor AERA Division D)

Organizer/Moderator: Rina Sjolund, ACT

Presenters:

Test Security Risks, Responsibilities, and Resolutions in Statewide High School Exit Testing Programs

E. Roger Trent, Ohio Department of Education

Test Security for High Stakes Performance Assessments: Considerations of Cheating, Task Familiarity, and Validity

Steven Ferrara, Maryland Department of Education

Security Issues for Computer Based Testing Administrations

C. David Vale, Insurance Testing Corporation

High-Tech Approaches to Breaching Examination Security

Gregg Colton, Schroeder Measurement Technologies

Procedures for Investigating Testing Irregularities

Theresa Semel, ACT

I3 EXAMINEE RESPONSE CHARACTERISTICS IN COMPUTER-BASED TESTING

(Paper Presentations)

Moderator: Fritz Drasgow, University of Illinois

Presenters:

The Effect of Incorporating Decision Consistency Into Bayesian Sequential Testing

Robert L. Smith, Charles Lewis, Educational Testing Service

Assessing Speededness in Variable-Length Computer Adaptive Tests

Brian D. Bontempo, Ellen R. Julian, The National Council of State Boards of Nursing; Jerry L. Gorham, The Chauncey Group International

Making Use of Response Times in Standardized Tests: Are Accuracy and Speed Measuring the Same Thing?

David J. Scrams, Johns Hopkins University; Deborah L. Schnipke, Law School Admission Council

Assessing Subgroup Differences in Item Response Times

Deborah L. Schnipke, Peter J. Pashley, Law School Admission Council

Discussants: Cynthia Parshall, University of South Florida; G. Gage Kingsbury, Portland Public Schools

J1 WHAT CAN NCME MEMBERS DO TO SUPPORT ASSESSMENT ACTIVITIES OF THEIR COLLEAGUES IN OTHER PROFESSIONAL ORGANIZATIONS?

(Invited Colloquium)

Organizer/Moderator: Steven Ferrara, Maryland State Department of Education

Presenters:

Introduction and Goals for the Colloquium

Steven Ferrara

Comments and Recommendations from the Association for Supervision and Curriculum Development

Ronald Brandt, Assistant Executive Director, Association for Supervision and Curriculum

Comments and Recommendations from the National Council for the Social Studies

Pat Nickell, President, National Council for the Social Studies

Comments and Recommendations from the National Association of State Directors of Special Education

Eileen M. Ahearn, Director Project FORUM, National Association of State Directors of Special Education

Recommendations from the National Association for the Education of Young Children

Susan Bredekamp, Director Professional Development, National Association for the Education of Young Children

Discussant: Ronald Berk, NCME Outreach to Educational Organizations Committee, The Johns Hopkins University

J2 IDEAS FOR THESIS AND OTHER RESEARCH IN EDUCATIONAL MEASUREMENT AND RELATED TOPICS

(Invited Distinguished Career Achievement Award Presentation)

Organizer/Moderator: Ronald K. Hambleton, University of Massachusetts at Amherst

Presenter:

Jason Millman, Cornell University

Discussants: Stephen Sireci, University of Massachusetts at Amherst; Mary Lyn Bourque, National Assessment Governing Board; Barbara Plake, University of Nebraska-Lincoln

J3 POLYTOMOUS ITEM RESPONSE MODELS

(Paper Presentations)

Moderator: Linda Cook, Educational Testing Service

Presenters:

Log Multiplicative Association Models for Exploratory Analysis of Multivariate Polytomous Item Response Data

Carolyn J. Anderson, Cynthia M. Walker, University of Illinois

Further Investigation of the Response Dichotomization Method for Analyzing Unidimensional and Multidimensional Polytomous Test Data

Yaowen Hsu, Tony D. Thompson, ACT

Effectiveness of Bayesian Procedures for Parameter Estimates of Ordinal Polytomous IRT Models

Chung Park, H. Swaminathan, University of Massachusetts at Amherst

A Comparison of Procedures for Ability Estimation Under the Graded Response Model

Tae-Je Seong, Ewha Womans University and University of Wisconsin-Madison;

Seock-Ho Kim, University of Georgia; Allan S. Cohen, University of Wisconsin-Madison

Discussants: Ratna Nandakumar, University of Delaware; Louis Roussos, Law School Admission Council

J4 PERSPECTIVES ON STANDARD SETTING

(Symposium; Co-Sponsor: AERA Division D)

Moderator: Samuel Livingston, Educational Testing Service

Presenters:

A Psychologist's View

Robert Glaser, University of Pittsburgh

A Statistician's View

Edward H. Haertel, Stanford University

A Lawyer's View

S. E. Phillips, Michigan State University

A Policymaker's View

Joseph Spagnolo, Illinois State ED

An Educator's View

Albert Shanker, American Federation of Teachers

An Economist's View

Henry M. Levin, Stanford University

J5 PERFORMANCE ASSESSMENT IN THE THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY: WHAT HAVE WE LEARNED?

(Symposium; Co-Sponsors: AERA Division D; AERA Committee on International Relations)

Moderator: G. Orpwood, York University

Presenters:

Problems and Lessons from the 1995 Performance Assessment in Canada

S. Brigden, M. Marshall, University of British Columbia

Solving Performance Tasks in Comprehension-Oriented Learning Environments

R. Reusser, R. Stebler, University of Zurich

The Science Performance Assessment of Population 1 and Population 2 Students: An Israeli Perspective

P. Tamir, Hebrew University, Israel; R. Zuzovsky, Tel Aviv University

TIMSS Performance Assessment: International Results, Implications, and Questions

M. Harmon, Boston College; J. Lokan, ACER, Australia

Discussants: Peter Airasian, Boston College; L. Peak, NCES

K1 FUTURE INNOVATIONS IN CAT TECHNOLOGY: POINTS OF VIEW FROM THE LAW SCHOOL ADMISSION COUNCIL RESEARCH AGENDA
(Symposium)

Organizer: Louis A. Roussos, Law School Admission Council

Moderator: Gwyneth M. Boodoo, Educational Testing Service

Presenters:

An Overview of the LSAC CAT Research Agenda

Peter Pashley, Law School Admission Council

Detection of Aberrant Response Patterns in CAT

Wim J. van der Linden, University of Twente

Mathematical Programming Approaches to Computerized Adaptive Testing

Douglas H. Jones, Rutgers University

Alternate Methods of Scoring Computer-Based Adaptive Tests

Bert F. Green, Johns Hopkins University

A Bayesian Enhancement of Mantel-Haenszel DIF Analysis for Computer Adaptive Tests

Rebecca Zwick, University of California, Berkeley

Discussant: Tim Davey, ACT

K2 STATE-LEVEL ACCOUNTABILITY FOR ASSESSING ENGLISH PROFICIENCY OF LANGUAGE MINORITY STUDENTS

(Symposium)

Organizer/Moderator: Samuel E. Krug, MetriTech, Inc.

Presenters:

Assessing Language Minority Students for Improved Accountability and Instruction

Carmen W. Chapman, C. Thomas Kerins, Mervin M. Brennan, Illinois State Board of Education

Technical Qualities of Tests Designed to Assess English Reading and Writing Proficiency of Language Minority Students

Anne S. Kilian, MetriTech, Inc.

Scoring Writing Samples from and Assessment of Language Minority Students

Kirk Ridge, Measurement Incorporated

Discussant: Carole Perlman, Chicago Public Schools

K3 CERTIFICATION AND LICENSURE

(Paper Presentations)

Moderator: Dorthea Juul, American Board of Psychiatry and Neurology

Presenters:

The Use of Response Similarity and Person Between Fit Measures to Detect Irregular Behaviors

Carrolyn K. Iwamoto, Scott A. Watson, Ronald J. Nungester, Richard M. Luecht, National Board of Medical Examiners

Validation of the Blueprint for an International Licensure Examination

Lawrence W. Klein, Klein & Associates; Carmen A. Catizone, National Association of Boards of Pharmacy

An Evaluation of Gender Differences in Performance on Computer-Based Case Simulation

Janice D. Scheuneman, Stephen G. Clyman, National Board of Medical Examiners

The Effect of Degree of Expertise on Standard-Setting

Louis J. Grosso, John J. Norcini, American Board of Internal Medicine

Discussants: Michael T. Kane, University of Wisconsin; Cyndie B. Schmeiser, ACT

PROGRAM HIGHLIGHTS

BOARD OF DIRECTORS MEETING

(Members are invited to attend as observers.)

Monday, March 24, 4:15 - 7:15 pm

Sheraton: Parlor C, Level 3

Thursday, March 27, 4:00 - 7:00 pm Sheraton: Lincoln Executive Board Room, Level 3

NO HOST COCKTAIL PARTY AND RECEPTION

Tuesday, March 25, 6:05 - 7:00 pm

Hyatt: Regency A, West Tower, Ballroom Level

NCME FITNESS RUN/WALK

Wednesday, March 26, 5:50 - 7:30 am

Hyatt: Inside Lobby

NCME ANNUAL BREAKFAST

Wednesday, March 26, 8:00 - 9:00 am

Sheraton: Chicago Ballroom VII, Level 2

NCME BUSINESS MEETING AND PRESIDENTIAL ADDRESS

Wednesday, March 26, 9:00 - 10:15 am

Sheraton: Chicago Ballroom VII Level 2

Measurement (Mis)Conceptions at the Intersection of Theory and Practice

Robert L. Brennan, University of Iowa

A1 UPDATE ON REVISION OF THE STANDARDS

(Invited Symposium, Co-sponsor: AERA Division D)

Tuesday, 8:15 - 10:15 am

Hyatt: Comisky, West Tower, Concourse Level

Org./Mod.: Daniel R. Eignor, Educational Testing Service

Presenters: Eva L. Baker, University of California at Los Angeles; Suzanne Lane, University of Pittsburgh; Lloyd Bond, University of North Carolina-Greensboro; Bert F. Green, Jr., Johns Hopkins University; Diana Pullin, Boston College

Discussants: Ellen Julian, National Council of State Boards of Nursing; Paul G. LeMahieu, University of Delaware; Nambury Raju, Georgia Institute of Technology

A2 THE RASCH TIGER TEN YEARS LATER: USING IRT TECHNIQUES TO MEASURE ACHIEVEMENT IN SCHOOLS

(Invited Symposium, Sponsored by National Association of Test Directors)

Tuesday, 8:15 - 10:15 am

Hyatt: Columbian, West Concourse, Tower Level

Org./Mod.: Joseph O'Reilly, Mesa Public Schools

Presenters: G. Gage Kingsbury, Portland Public Schools; Ronald L. Houser, Portland Public Schools; Joseph O'Reilly, Mesa Public Schools; Marc Becker, Glendale Union High School District; Bob Hess, Arizona State University West

Discussants: Joe Ryan, Arizona State University West; H.D. Hoover, University of Iowa

PROGRAM HIGHLIGHTS

E1 CAREER DIRECTIONS IN MEASUREMENT: BEYOND THE DISSERTATION
(*Invited Symposium, Sponsored by NCME Graduate Student Issues Committee; Co-Sponsor: AERA Division D*)

Tuesday, 4:05 - 6:05 pm

Hyatt: Regency A, West Tower, Ballroom

Org.: Sharon Slater, University of Massachusetts at Amherst

Mod.: Robert L. Brennan, University of Iowa

Presenters: Linda Cook, ETS; Linda M. Crocker, University of Florida; Steven Ferrara, Maryland State Department of Education; Ronald J. Nungester, National Board of Medical Examiners; Laress L. Wise, Human Resources Research Organization

E2 INTEGRATING TEST DESIGN WITH PSYCHOMETRIC THEORY: USING A NONPARAMETRIC TOOLBOX FOR ASSESSING DIMENSIONALITY
(*Invited Symposium, Co-Sponsor: AERA Division D*)

Tuesday, 4:05 - 6:05 pm

Hyatt: Columbian, West Tower, Concourse Level

Org./Mod.: Terry Ackerman, University of Illinois

Presenters: Terry Ackerman, University of Illinois; William Stout, University of Illinois; Dan Bolt, University of Illinois; Louis Roussos, Law School Admissions Council; Jinming Zhang, Educational Testing Service; Ratna Nandakumar, University of Delaware; Brian Habing, University of Illinois; Terry Ackerman, University of Illinois

Discussants: Brian Junker, Carnegie Mellon University; Marc Gessaroli, National Board of Medical Examiners

I2 TEST SECURITY ISSUES

(*Invited Symposium, Co-Sponsor: AERA Division D*)

Wednesday, 10:35 am - 12:05 pm

Sheraton: Ohio, Level 2

Org./Mod.: Rina Sjolund, ACT

Presenters: E. Roger Trent, Ohio Department of Education; Steven Ferrara, Maryland Department of Education; C. David Vale, Insurance Testing Corporation; Gregg Colton, Schroeder Measurement Technologies; Theresa Semel, ACT

J1 WHAT CAN NCME MEMBERS DO TO SUPPORT ASSESSMENT ACTIVITIES OF THEIR COLLEAGUES IN OTHER PROFESSIONAL ORGANIZATIONS?

(*Invited Colloquium*)

Wednesday, 12:25 - 1:55 pm

Sheraton: Superior A/B, Level 2

Org./Mod.: Steven Ferrara, Maryland State Department of Education

Presenters: Steven Ferrara, Maryland State Department of Education; Ronald Brandt, Assistant Executive Director, Association for Supervision and Curriculum; Pat Nickell, President, National Council for the Social Studies; Eileen M. Ahearn, Director Project FORUM, National Association of State Directors of Special Education; Susan Bredekamp, Director Professional Development, National Association for the Education of Young Children

Discussant: Ronald Berk, NCME Outreach to Educ Organizations Committee, The Johns Hopkins University

PROGRAM HIGHLIGHTS

J2 IDEAS FOR THESIS AND OTHER RESEARCH IN EDUCATIONAL MEASUREMENT AND RELATED TOPICS

(Invited Distinguished Career Achievement Award Presentation)

Wednesday, 12:25 - 1:55 pm

Sheraton: Ohio, Level 2

Org./Mod.: Ronald K. Hambleton, University of Massachusetts at Amherst

Presenter: Jason Millman, Cornell University

Discussants: Stephen Sireci, University of Massachusetts at Amherst; Mary Lyn Bourque, National Assessment Governing Board; Barbara Plake, University of Nebraska-Lincoln

K4 TECHNICAL CHARACTERISTICS FOR PERFORMANCE ASSESSMENT: OXYMORON OR "OXYGENIUS?"

(Invited Symposium, Co-Sponsor: AERA Division D)

Wednesday, 2:15 - 3:45 pm

Sheraton, Chicago Ballroom IX, Level 4

Org./Mod.: William A. Mehrens, Michigan State University

Presenters: Suzanne Lane, University of Pittsburgh; Paul G. LeMahieu, University of Delaware; Rebecca Kopriva, Delaware Dept of Public Instruction; Mark D. Reckase, ACT

Discussant: William A. Mehrens, Michigan State University

L1 LARGE-SCALE TEST ADAPTATION PROJECTS: DESIGNS, RESULTS, AND SUGGESTIONS FOR IMPROVING PRACTICES

(Invited Symposium)

Wednesday, 4:05 - 6:05 pm

Sheraton: Superior A/B, Level 2

Org.: Ronald K. Hambleton, University of Massachusetts at Amherst

Mod.: Hariharan Swaminathan, University of Massachusetts at Amherst

Presenters: Stephen Sireci, University of Massachusetts; David F. Foster, Novell, Inc; James B. Olsen, Alpine Media; Frederic Robin, University of Massachusetts at Amherst; Linda Cook, Alicia Schmitt, Antonio Magrina, ETS; Joan Auchter, General Educational Development Testing Service; Charles Stansfield, Second Language Testing, Inc; Ronald K. Hambleton, University of Massachusetts at Amherst; Giray Berberoglu, Middle East Technical University

Discussant: Kurt Geisinger, SUNY Oswego

M2 THE USE OF ACCOMMODATIONS TO INCLUDE LIMITED ENGLISH PROFICIENT STUDENTS IN STATEWIDE ASSESSMENTS

(Invited Symposium, Sponsored by the NCME Minority Issues and Testing Committee)

Thursday, 8:15 - 10:15 am

Hyatt: Columbian, West Tower, Concourse Level

Org./Mod.: Carlos Martinez, The School District of Hillsborough County

Presenters: Charlene Rivera, George Washington University; Carolyn Vincent, George Washington University; Pasquale DeVito, Rhode Island Department of Education; Jeff Nellhaus, Massachusetts Department of Education

Discussant: Wayne Martin, Council of Chief State School Officers

PROGRAM HIGHLIGHTS

M4 INVESTIGATING THE CONSEQUENTIAL ASPECTS OF VALIDITY: WHO IS RESPONSIBLE AND WHAT SHOULD THEY DO?

(Invited Symposium, Co-Sponsor: AERA Divisions C & D)

Thursday, 8:15 - 10:15 am Hyatt: Regency B, West Tower, Ballroom Level

Org./Mod.: Wendy M. Yen, CTB/McGraw-Hill

Presenters: Donald Ross Green, CTB/McGraw-Hill; Suzanne Lane, University of Pittsburgh; Robert L. Linn, University of Colorado; Pamela Moss, University of Michigan; Mark Reckase, ACT; Elizabeth Taleporos, New York City Public Schools

O1 STANDARD SETTING ISSUES FOR LICENSURE AND CERTIFICATION

(Invited Symposium, Co-sponsor: AERA Division D)

Thursday, 12:25 - 1:55 pm Hyatt: Comisky, West Tower, Concourse Level

Org./Mod.: Steven M. Downing, American Board of Internal Medicine

Presenters: John J. Norcini, American Board of Internal Medicine; Michael T. Kane, University of Wisconsin-Madison; Allen Cohen, University of Wisconsin-Madison; Terence J. Crooks, University of Otago; Brian E. Clauser, National Board of Medical Examiners

Discussant: Barbara S. Plake, University of Nebraska-Lincoln

P1 IMPLEMENTATION ISSUES IN COMPUTERIZED ADAPTIVE TESTING: THEORY MEETS REALITY

(Invited Symposium, Co-Sponsor: AERA Division D)

Thursday, 2:15 - 3:45 pm Hyatt: Comisky, West Tower, Concourse Level

Organizer: Steven L. Wise, University of Nebraska-Lincoln

Moderator: Betty Bergstrom, Commission on Dietetic Registration

Presenters: Steven L. Wise, University of Nebraska-Lincoln; G. Gage Kingsbury, Portland Public Schools; Anthony R. Zara, National Council of State Boards of Nursing; Walter D. Way, The Chauncey Group International; Steven L. Wise, University of Nebraska-Lincoln

Discussant: Jeffrey K. Smith, Rutgers University

Q1 ITEM AND TEST DISCLOSURE FOR COMPUTERIZED ADAPTIVE TESTS: A DISCUSSION OF LEGISLATION, RESEARCH, POLICY, AND PRACTICE

(Invited Symposium)

Thursday, 4:05 - 6:05pm Hyatt: Comisky, West Tower, Concourse Level

Org.: NCME External Relations Committee

Mod.: Robert Lissitz, University of Maryland

Presenters: Fritz Drasgow, University of Illinois; G. Gage Kingsbury, Portland Public Schools; Robert Lissitz, University of Maryland; Mary Lunz, American Society of Clinical Pathologists; Patty McAllister, Washington Office of ETS; Mark Reckase, ACT

K4 TECHNICAL CHARACTERISTICS FOR PERFORMANCE ASSESSMENT: OXYMORON OR "OXYGENIUS?"

(Invited Symposium, Co-Sponsor: AERA Division D)

Organizer/Moderator: William A. Mehrens, Michigan State University

Presenters:

Examining Gender-Related Differential Item Functioning in a Mathematics Performance Assessment Over Five Years: Issues and Insights

Suzanne Lane, University of Pittsburgh

Purposeful Nonparallel Constructions in Performance Assessment Contexts: Issues of Validity and Accuracy

Paul G. LeMahieu, University of Delaware; Rebecca Kopriva, Delaware Dept of Public Instruction

Statistical Test Specifications for Performance Assessments: Is This an Oxymoron?

Mark D. Reckase, ACT

Discussant: William A. Mehrens, Michigan State University

K5 VALIDATION OF STATE PERFORMANCE-BASED ASSESSMENTS: THE ISSUE OF CONSEQUENCES

(Symposium; Co-Sponsor: AERA Division D)

Moderator: Anne E. Seraphine, University of Texas

Presenters:

Consequences in Alabama

Gloria Turner, Alabama State ED

Consequences in Connecticut

Peter Behuniak, Connecticut State ED

Consequences in North Carolina

Ellie Sanford, North Carolina Department of Public Instruction

The CCSSO Study on Consequences of State Performance-Based Assessments

M. David Miller, Janet McNellis, University of Florida; Robert L. Linn, University of Colorado

Discussant: Sue Rigney, Kentucky State ED

L1 LARGE-SCALE TEST ADAPTATION PROJECTS: DESIGNS, RESULTS, AND SUGGESTIONS FOR IMPROVING PRACTICES

(Invited Symposium)

Organizer: Ronald K. Hambleton, University of Massachusetts at Amherst

Moderator: Hariharan Swaminathan, University of Massachusetts at Amherst

Presenters:

Comparing Dual-Language Versions of International Computerized Certification Exams

Stephen Sireci, University of Massachusetts; David F. Foster, Novell, Inc; James

B. Olsen, Alpine Media; Frederic Robin, University of Massachusetts at Amherst

Developing a Relationship Between Scores on the Spanish Language PAA and the English Language SAT

Linda Cook, Alicia Schmitt, Antonio Magrina, Educational Testing Service

A Spanish Language Version of GED: Adaptation and Linking

Joan Auchter, General Educational Development Testing Service; Charles Stansfield, Second Language Testing, Inc.

Third International Mathematics and Science Study: Test Adaptation Methods and Results

Ronald K. Hambleton, University of Massachusetts at Amherst; Giray

Berberoglu, Middle East Technical University

Discussant: Kurt Geisinger, SUNY Oswego

L2 CHALLENGES IN THE DEVELOPMENT OF STATE ASSESSMENT PROGRAMS THAT SUPPORT EDUCATION REFORM

(Symposium)

Organizer: Linda A. Bond, North Central Regional Educational Laboratory

Moderator: Chris Piphon, Education Commission of the States

Presenters:

Donna Long, MSD Wayne Township (Indianapolis); Susan Phillips, Michigan

State University; Edward Roeber, Council of Chief State School Officers; Linda

A. Bond, North Central Regional Educational Laboratory

Discussants: Richard Hill, Advanced Systems; E. Roger Trent, Ohio Department of Education

L3 RELIABILITY AND MEASUREMENT ERROR

(Paper Presentations)

Moderator: Audrey L. Qualls, The University of Iowa

Presenters:

Empirical Comparisons of Some Methods for Estimating Conditional Standard Errors of Measurement for Scale Scores

Won-Chan Lee, Robert L. Brennan, University of Iowa; Xiaohong Gao, ACT
An Empirical Evaluation of an Improved Version of the Difference Method for Estimating the Conditional Standard Error of Measurement at Specific Score Levels

Huilan Xing, Leonard S. Feldt, Audrey L. Qualls, Stephen B. Dunbar, Iowa
Testing Programs, University of Iowa

An Examination of the Error Structure of Constructs: A Joint Application of Generalizability Analysis and Covariance Structural Modelling

Knut A. Hagtvet, University of Georgia
A Bayesian/IRT Index of Objective Performance for Tests With Mixed-Item Types

Wendy M. Yen, Robert C. Sykes, Kyoko Ito, Marc W. Julian, CTB/McGraw-Hill
A Generalizability Approach to Evaluating the Reliability of Testlet-Based Test Scores

Guemin Lee, David Frisbie, University of Iowa
Discussants: Nambury Raju, Illinois Institute of Technology; Philip Smith, University of Wisconsin-Milwaukee

THURSDAY, MARCH 27, 1997

M1 CREATING A VISIONARY, CHILD-CENTERED FOURTH GRADE ASSESSMENT: THE NEW JERSEY EXPERIENCE

(Symposium)

Organizer: Elizabeth Celentano, NJ Department of Education

Moderator: Gerald E. DeMauro, NJ Department of Education

Presenters:

Addressing the Principles of Validity in the Development of New Jersey's Fourth Grade Assessment Program

Elizabeth Celentano, NJ Department of Education
A Child-Centered Approach to Developing New Jersey's Fourth-Grade Assessment Program

Gerald E. DeMauro, NJ Department of Education
State Standards and State-Wide Assessment: Reforming the Classroom

Bruce Normandia, NJ Department of Education
Transforming Standards for Language Arts to Statements and Prototypes for Assessment

Roseanne Harris, NJ Department of Education
The Process of Creating A Test Plan from a Set of Content Standards

Susan J. Thomas, IBM Corporation
Discussants: Michael J. Zieky, Educational Testing Service; Peter Behuniak, CT Department of Education

THURSDAY, 8:15 - 10:15 AM **Hyatt: Columbian, West Tower, Concourse Level**

M2 THE USE OF ACCOMMODATIONS TO INCLUDE LIMITED ENGLISH PROFICIENT STUDENTS IN STATEWIDE ASSESSMENTS

(Invited Symposium, Sponsored by the NCME Minority Issues and Testing Committee)

Organizer/Moderator: Carlos Martinez, The School District of Hillsborough County
Presenters:

Charlene Rivera, George Washington University; Carolyn Vincent, George Washington University; Pasquale DeVito, Rhode Island Department of Education; Jeff Nellhaus, Massachusetts Department of Education

Discussant: Wayne Martin, Council of Chief State School Officers

THURSDAY, 8:15 - 10:15 AM **Hyatt: Addams, West Tower, Third Floor**

M3 LARGE-SCALE ACHIEVEMENT ASSESSMENT II

(Paper Presentations)

Moderator: Mary Lyn Bourque, NAGB

Presenters:

Achievement Level Reporting With Norm-Referenced Tests

David A. Frisbie, University of Iowa; Kristie K. Waltman, UCLA Center for the Study of Evaluation; Robert A. Forsyth, University of Iowa

Stability of Achievement Test Results: Evidence for Teaching to the Test in a Statewide Assessment

Vonda L. Kiplinger, University of Colorado at Boulder

Empirically-Based Standard Setting Using Cluster Analysis

Stephen G. Sireci, Frederic Robin, University of Massachusetts; Thanos Patelis, Stamford Public Schools

Establishing Consequential Validity for Large-Scale Performance Assessments

Naomi Chudowsky, Peter Behuniak, CT State Department of Education

The Effect of Number of Local Syntactic Constituents of Sentence Structure Items from the TOEFL test on Item Difficulty and Discrimination

Chi-Wen Kao, James Madison University; Bruce Gansneder, University of Virginia

Discussants: Sheila Barron, Rand Corporation; Paul Sandifer, ACT

THURSDAY, 8:15 - 10:15 AM **Hyatt: Regency B, West Tower, Ballroom Level**

M4 INVESTIGATING THE CONSEQUENTIAL ASPECTS OF VALIDITY: WHO IS RESPONSIBLE AND WHAT SHOULD THEY DO?

(Invited Symposium, Co-Sponsor: AERA Divisions C & D)

Organizer/Moderator: Wendy M. Yen, CTB/McGraw-Hill

Presenters:

Donald Ross Green, CTB/McGraw-Hill; Suzanne Lane, University of Pittsburgh; Robert L. Linn, University of Colorado; Pamela Moss, University of Michigan; Mark Reckase, ACT; Elizabeth Taleporos, New York City Public Schools

THURSDAY, 10:35 AM - 12:05 PM

Hyatt: Comisky, West Tower,
Concourse Level

**N1 OUTCOMES FROM THE 1996 USMLE STEP 2 FIELD TEST USING A
COMPUTER ADAPTIVE SEQUENTIAL TESTING FRAMEWORK**

(Symposium)

Organizer/Moderator: Richard M. Luecht, National Board of Medical Examiners

Presenters:

Overview of the USMLE Step 2 Computerized Field Test

Richard M. Luecht, Ronald J. Nungester, National Board of Medical Examiners

Computer Assembly of Tests So That Content Reigns Supreme

Susan M. Case, Richard M. Luecht, National Board of Medical Examiners

Psychometric Mode Effects and Fit Issues with Respect to Item Difficulty Estimates

Amrita Hadadi, Richard Luecht, National Board of Medical Examiners

*Relationship of Response Latency to Test Design, Examinee Ability and Item Difficulty in
Computer Based Test Administration*

David B. Swanson, Carol M. Featherman, Susan M. Case, Richard Luecht,
Ronald Nungester, National Board of Medical Examiners

Discussant: Wim J. van der Linden, University of Twente

THURSDAY, 10:35 AM - 12:05 PM

Hyatt: Columbian, West Tower,
Concourse Level

N2 ASSESSING MATHEMATICS AND SCIENCE SKILLS

(Paper Presentations)

Moderator: Robert Ankenmann, University of Iowa

Presenters:

Alternative Methods for Assessing Mathematics

W. Todd Rogers, Thomas O. Maguire, Jackie Leighton, Centre for Research in
Applied Measurement and Evaluation

*The Effect of Integrated Items on the Validity and Reliability of Tests: Science and
Mathematics Integration in a Statewide Performance Assessment*

Kadriye Ercikan, Richard Schwarz, Melba Weber, CTB/McGraw-Hill; Steven
Ferrara, Hillary Michaels, Maryland State Department of Education

*Toward a Unified Model of Problem Solving in Well-Determined and Under-Determined
Algebra Word Problems*

Adisack Nhouyvanisvong, Irvin R. Katz, Mark K. Singley, Educational Testing
Service

An Investigation of Scoring Methods for Mathematics Performance-Based Assessments

Catherine S. Taylor, University of Washington

Discussants: Ed Roeber, Council of Chief State School Officers; Allen Doolittle, ACT

N3 ESTIMATION IN IRT

(Paper Presentations)

Moderator: Susan Maller, University of South Florida

Presenters:

The Impact of Second Ability Dimension on the Unidimensional BILOG Estimation

Feng Yu, Ratna Nandakumar, University of Delaware

An Investigation of the Relationship Between IRT Parameters Estimated Using LOGIST and BILOG

K. Linda Tang, Educational Testing Service

The Effect of Data Sparseness on Estimation Using the Three-Parameter Model

Richard D. Schwarz, CTB/McGraw-Hill

A Monte Carlo Study of Skewed Theta Distributions on DIF Indices

Malina K. Monaco, Georgia State University

Discussants: William Koch, University of Texas-Austin; Eiji Muraki, Educational Testing Service

N4 COMPUTER GRADING OF CLASSROOM ESSAYS: COMBINING QUALITATIVE AND QUANTITATIVE IN A LARGE SCHOOL SAMPLE

(Symposium; Co-Sponsor: AERA Division D)

Moderator: Ellis B. Page, Duke University

Presenters:

Project Essay Grade and Write-America! Qualitative and Quantitative Assessment Combined in an Unprecedented Sample

Ellis B. Page, Duke University

How May It Work in Schools? English Teachers Using Computer Grading

Gary B. Stuck, Brett Jones, University of North Carolina-Chapel Hill

How Classroom Teachers May Track Student Progress in Writing

Dale L. Truman, Windham High School (CT)

Construct Validity in PEG Use in Many Classrooms

Timothy Z. Keith, Alfred University

Computer Rating of Essay Traits in a Statewide Writing Assessment

John P. Poggio, University of Kansas

Administrative Questions in the Computer Grading of School Essays

Helmuts Feifs, Wake County Public Schools (NC)

Discussants: J. William Asher, Purdue University; David Lubinski, Iowa State University; Julian C. Stanley, Johns Hopkins University

THURSDAY, 10:35 AM - 12:05 PM

Hyatt: New Orleans, West Tower,
Ballroom Level

**N5 CRITICAL ISSUES FOR EFFECTIVE TEACHER ASSESSMENT:
LEARNING FROM THE NBPTS CERTIFICATION SYSTEM**

(Symposium; Co-Sponsors: AERA Division D; AERA Division K)

Moderator: Drew H. Gitomer, Educational Testing Service

Presenters:

Assessment Design and Validity

Mari A. Pearlman, Educational Testing Service

A Framework for Assessing Generalist Teaching from Pre-K through Middle School

Joanne Brady, Education Development Center

Scorer Training and Impact

Drew H. Gitomer, Educational Testing Service

Alternative Methods for Setting Standards in NBPTS Assessments

Charles Lewis, Educational Testing Service

Adverse Impact and Teacher Certification

Lloyd Bond, University of North Carolina, Greensboro

Teachers' Preferences for Performance Feedback in the Assessments of the National Board for Professional Teaching Standards

Alan Davis, Kenneth Wolf, University of Colorado, Denver; Hilda Borko,
University of Colorado, Boulder

Discussant: Art Wise, NCATE

THURSDAY, 10:35 AM - 12:05 PM

Hyatt: DuSable, West Tower, Third Floor

N6 TESTING FOR DOLLARS: EFFECTS OF MOTIVATION

(Symposium)

Organizer: Linda T. Curran, Defense Manpower Data Center

Moderator: Jane M. Arabian, Office of the Assistant Secretary of Defense

Presenters:

Signs of Unmotivated Test-Taking in the 1997 Profile of American Youth Pretest

Linda T. Curran, Defense Manpower Data Center; James R. McBride, Human Resources Research Association

An Experimental Investigation of Motivation Effects on ASVAB Scores

James R. McBride, Human Resources Research Association; Brian Waters,
Human Resources Research Association; Linda T. Curran, Defense Manpower
Data Center

The Effects of Motivation on Equating Adaptive and Conventional Tests

Daniel O. Segall, Defense Manpower Data Center

Discussants: Bruce Bloxom, Defense Manpower Data Center; Harry F. O'Neil, Jr.,
University of Southern California

O1 STANDARD SETTING ISSUES FOR LICENSURE AND CERTIFICATION

(Invited Symposium, Co-sponsor: AERA Division D)

Organizer/Moderator: Steven M. Downing, American Board of Internal Medicine

Presenters:

Factors Affecting the Credibility of Standards for Licensing and Certifying Examinations

John J. Norcini, American Board of Internal Medicine

Justifying the Passing Scores for Written Certification Tests

Michael T. Kane, University of Wisconsin-Madison; Allen Cohen, University of Wisconsin-Madison; Terence J. Crooks, University of Otago

Issues in Standard Setting for Performance Assessments Used in Licensure and Certification Testing

Brian E. Clauser, National Board of Medical Examiners

Discussant: Barbara S. Plake, University of Nebraska-Lincoln

O2 WHAT DOES THE NAEP SCIENCE ASSESSMENT MEASURE?: RESULTS FROM THE 1996 NAEP SCIENCE ATTRIBUTE STUDY

(Symposium)

Organizer: Mario Yepes-Baraya, Educational Testing Service

Moderator: Brian Gong, Kentucky Department of Education and University of Louisville

Presenters:

The 1996 NAEP Science Field Test: Framework, Test Specifications, and the Scoring of Constructed Response Items

Christine O'Sullivan, Fiona Herr, Educational Testing Service

The Coding of Item Attributes for the 1996 NAEP Science Assessment: Lessons Learned from Discrepancies between Raters

Mario Yepes-Baraya, Educational Testing Service

Relationships between Test Specifications, Item Responses, and Item Attributes in the 1996 NAEP Science Assessment

Nancy L. Allen, Jo-Lin Liang, Educational Testing Service

Application of the Rule Space Model to the 1996 NAEP Science Assessment

Kikumi K. Tatsuoka, Educational Testing Service

Discussants: Brian Gong, Kentucky Department of Education and University of Louisville; Brenda Sugrue, University of Iowa

O3 DIFFERENTIAL ITEM FUNCTIONING I

(Paper Presentations)

Moderator: Tonya Moon, University of Virginia

Presenters:

Detecting DIF in a Mathematics Performance Assessment: A Comparison of IRT and Non-IRT Approaches

Carol S. Parke, University of Pittsburgh

Using Loss Functions to Identify DIF Items: An Empirical Bayes Approach

Rebecca Zwick, University of California; Dorothy T. Thayer, Charles Lewis, Educational Testing Service

A Monte Carlo Investigation of Conditions That Impact Type I Error Rates

M. Carolyn Chamblee, T. C. Oshima, Georgia State University; Nambury S. Raju, Illinois Institute of Technology

Discussants: Janice Scheuneman, National Board of Medical Examiners; Paul Holland, University of California-Berkeley

**P1 IMPLEMENTATION ISSUES IN COMPUTERIZED ADAPTIVE TESTING:
THEORY MEETS REALITY**

(Invited Symposium, Co-Sponsor: AERA Division D)

Organizer: Steven L. Wise, University of Nebraska-Lincoln

Moderator: Betty Bergstrom, Commission on Dietetic Registration

Presenters:

Overview of Practical Issues in a CAT Program

Steven L. Wise, University of Nebraska-Lincoln

Item Pool Development and Maintenance

G. Gage Kingsbury, Portland Public Schools

Administering and Scoring the CAT

Anthony R. Zara, National Council of State Boards of Nursing

Protecting the Integrity of the CAT Item Pool

Walter D. Way, The Chauncey Group International

Examinee Issues in CAT

Steven L. Wise, University of Nebraska-Lincoln

Discussant: Jeffrey K. Smith, Rutgers University

P2 EVALUATION OF FACTORS RELATED TO PERFORMANCE OF A FREE-RESPONSE MATH ITEM TYPE

(Symposium)

Organizer: Alicia P. Schmitt, Educational Testing Service

Moderator: James S. Braswell, Educational Testing Service

Presenters:

Exploratory Analysis of Math Items to Identify Patterns of Differential Item Functioning

Frederick W. Schuppan, Carol A. Jackson, Alicia P. Schmitt, Educational Testing Service

Analyses of Psychometric Characteristics of Math Items Presented in Free-Response and Multiple-Choice Formats

Carol A. Jackson, Alicia P. Schmitt, Frederick W. Schuppan, Educational Testing Service

Confirmatory Study of Factors Related to Differential Item Functioning of Free-Response and Multiple-Choice Math Items

Alicia P. Schmitt, Carol A. Jackson, Frederick W. Schuppan, Educational Testing Service; Kathleen M. Letshabo, University of Pittsburgh

Discussant: Sylvia T. Johnson, Howard University

P3 CAT IMPLEMENTATION

(Paper Presentations)

Moderator: Lynda Reese, LSAC

Presenters:

Maintaining Item and Test Security in a CAT Environment: A Simulation Study

Liane Patsula, University of Massachusetts; Manfred Steffen, Educational Testing Service

Detecting Misbehaving Items in a CAT Environment

Kimberly Swygert, University of North Carolina-Chapel Hill; Manfred Steffen, Mei Liu, Educational Testing Service

Maintaining a CAT Item Pool with Operational Data

Michael V. Levine, University of Illinois at Urbana-Champaign; Daniel O. Segall, DMDC Personnel Testing Division/DoD; Bruce A. Williams, University of Illinois at Urbana-Champaign

The Goal of Equity Within and Between Computerized Adaptive Test and Paper and Pencil Forms

Gary L. Thomasson, Defense Manpower Data Center

Discussants: Tim Davey, ACT; Bert Green, Johns Hopkins University

P4 TEST EQUATING

(Paper Presentations)

Moderator: Douglas F. Becker, GED Testing Service

Presenters:

Robustness of IRT True Score Equating

Hai Jiang, University of Illinois at Urbana-Champaign; K. Linda Tang, Educational Testing Service

Modeling the Accumulation of Equating Error across Equating Links

Scott H. Oppler, Rodney L. Rosse, Denise E. Frantz, American Institutes for Research; Andrew J. Wiley, American Institutes of Certified Public Accountants

A Comparison of Three IRT Common-Item Equating Methods When Tests Contain Mixed Item Types

Kyoko Ito, Robert C. Sykes, Howard C. Mitzel, CTB/McGraw-Hill

Estimating Minimum Sample Sizes in Random Groups Equating

Tsung-Hsun Tsai, The University of Iowa

Discussants: Deborah J. Harris, ACT; Peter Pashley, LSAS

Q1 ITEM AND TEST DISCLOSURE FOR COMPUTERIZED ADAPTIVE TESTS: A DISCUSSION OF LEGISLATION, RESEARCH, POLICY, AND PRACTICE

(Invited Symposium)

Organizer: NCME External Relations Committee

Moderator: Robert Lissitz, University of Maryland

Presenters:

Fritz Drasgow, University of Illinois; G. Gage Kingsbury, Portland Public Schools; Robert Lissitz, University of Maryland; Mary Lunz, American Society of Clinical Pathologists; Patty McAllister, Washington Office of Educational Testing Service; Mark Reckase, ACT

Q2 VALIDITY CONSIDERATIONS FOR AUTOMATED SCORING OF OPEN-ENDED RESPONSES

(Symposium)

Organizer: Isaac I. Bejar

Moderator: Henry E. Braun

Presenters:

Automated Scoring of Writing Essays: Can Such Scores be Valid?

Nancy Petersen, Educational Testing Service

The Validity of Automated Scores for a Computer-Based Examination of Physicians' Patient Management Skills

Brian Clauser, Steve Clyman, National Board of Medical Examiners

Validity and Automated Scoring: It's Not Only the Scoring

Randy Bennett, Isaac I. Bejar, Educational Testing Service

Discussants: Ronald Hambleton, University of Massachusetts at Amherst; Eva Baker, National Center on Evaluation, Standards, and Student Testing, CRESST

Q3 TECHNICAL ISSUES IN PERFORMANCE ASSESSMENT

(Paper Presentations)

Moderator: Steven D. Rattborg, NCS

Presenters:

The Generalizability of State Performance-Based Assessments

M. David Miller, University of Florida; Robert L. Linn, University of Colorado;

Peter Behuniak, Connecticut State Department of Education

Detecting Order Effects With a Many-Faceted Rasch Model

Edward W. Wolfe, Carol M. Myford, Educational Testing Service

Identifying Differential Item Functioning on a Multidimensional Science Test

Laura S. Hamilton, Stanford University

IRT and Hierarchical Approaches to Rater Variability in Performance Assessments

Richard J. Patz, CTB/McGraw-Hill

The Applicability of Conjoint Analysis for Performance-Based Assessments

Y. Van Fan, Stephen G. Clyman, Richard M. Luecht, National Board of Medical Examiners

Discussants: John Donoghue, Educational Testing Service; Joanne Lenke, Harcourt Brace Educational Measurement

THURSDAY, 4:05 - 6:05 PM

Hyatt: DuSable, West Tower, 3rd Level

Q4 WHAT WE'VE LEARNED FROM NAEP ABOUT MEASUREMENT ISSUES

(Symposium; Co-Sponsor: AERA Division D)

Moderator: John Mazzeo, Educational Testing Service

Presenters:

Block Position Effects as Indirect Indicators of Motivation in the 1996 NAEP Science Assessment

Spencer S. Swinton, Educational Testing Service

Detecting and Describing Local Item Dependence Using IRT Methods

Lois Worthington, John R. Donoghue, Educational Testing Service

A NAEP Mathematics Attribute Study

Frank Jenkins, Kikumi K. Tatsuoka, Educational Testing Service

Issues in the 1996 NAEP Assessment Dimensionality

Jinming Zhan, Educational Testing Service

What NAEP Tells Us About Choice in Testing

Steven P. Isham, Nancy L. Allen, Dorothy T. Thayer, Educational Testing Service

Knowledge Discovery From the NAEP Database

Philip T. Leung, Educational Testing Service; Edward Ip, USC

Linking NAEP to International Assessments: The Case of TIMSS

Eugene G. Johnson, Educational Testing Service

Discussants: Sue Ahmed, NCES; David F. Lohman, University of Iowa

THURSDAY, 4:05 - 5:35 PM

Hyatt: McCormick, West Tower, Third Floor

Q5 DIFFERENTIAL ITEM FUNCTIONING II

(Paper Presentations)

Moderator: David Frisbie, University of Iowa

Presenters

Differential Functioning of Items and Tests (DFIT) for a Test With a Cutoff Score

T. C. Oshima, Georgia State University; Nambury S. Raju, Illinois Institute of Technology

An Examination of Item Context Effects, DIF and Gender DIF

Katherine E. Ryan, Shuwan Chiu, University of Illinois at Urbana

Examination of Differential Item Functioning on a Standardized Achievement Battery with Limited English Proficient Students

Suzi L. Snetzler, Audrey L. Qualls, University of Iowa

The Relationship Between Poly-DFIT and Other Polytomous DIF Indices

Claudia P. Flowers, UNC-Charlotte; Chris Oshima, GA State University; Nambury S. Raju, IL Institute of Technology

Discussants: LeAnn Gamache, Littleton Public Schools; Neil Dorans, Educational Testing Service

THURSDAY, 4:00 - 7:00 PM

Sheraton: Lincoln Executive Board Room, Level 3

NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers.

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Gorham, Jerry L.	I3	Kopriva, Rebecca	K4
Green, Bert F.	A1,K1,P3	Kostin, Irene	C1
Green, Donald Ross	M4	Kroeze, David	D2
Grosse, Louis J.	K3	Krug, Samuel E.	D2,K2
Habing, Brian	B3,E2	Lane, Suzanne	A1,K4,M4
Hadadi, Amrita	N1	Lee, Guemin	L3
Haertel, Edward H.	I1,J4	Lee, Won-Chan	L3
Hagtvet, Knut A.	L3	Leighton, Jackie	N2
Hambleton, Ronald K.	E3,J2,L1,Q2	LeMahieu, Paul G.	A1,K4
Hamilton, Laura S.	Q3	Lenke, Joanne	Q3
Hanson, Bradley A.	E3	Letshabo, Kathleen M.	P2
Hargrove, Linda L.	A3	Leung, Philip T.	Q4
Harmon, M.	J5	Levin, Henry M.	J4
Harris, Deborah J.	P4	Levine, Michael V.	P3
Harris, Roseanne	M1	Lewis, Charles	I3,N5,O3
Harvey, Anne	B2	Liang, Jo-Lin	O2
Heller, Joan I.	C2	Lin, Chuan-Ju	B2
Herr, Fiona	O2	Linacre, John M.	B4
Hess, Bob	A2	Linden, Wim J. van der	K1,N1
Hill, Richard	L2	Link, Valerie B.	B3
Holland, Paul	O3	Linn, Robert L.	K5,M4,Q3
Hoover, H.D.	A2,C4	Lipner, Rebecca S.	AA
Houser, Ron	A2	Lissitz, Robert W.	E3,Q1
Hsu, Yaowen	J3	Liu, Mei	P3
Huynh, Huynh	B4	Livingston, Samuel A.	E3,J4
Impara, James C.	D3	Lohman, David F.	Q4
Ip, Edward	Q4	Lokan, J.	J5
Isham, Steven P.	Q4	Long, Donna	L2
Isman, Suci M.	E3	Lubinski, David	N4
Ito, Kyoko	L3,P4	Luecht, Richard M.	D1,K3,N1,Q3
Iwamoto, Carrolyn K.	K3	Lunz, Mary E.	D1,Q1
Jackson, Carol A.	P2	Magrina, Antonio	L1
Jenkins, Frank	Q4	Maguire, Thomas O.	N2
Jiang, Hai	P4	Maller, Susan	N3
Johnson, Eugene	B4,Q4	Mao, Michael X.	A3
Johnson, Sylvia T.	P2	Marshall, M.	J5
Jones, Brett	N4	Martin, Wayne	M2
Jones, Douglas H.	K1	Martinez, Carlos	M2

Mazzeo, John	Q4	Pecheone, Raymond	E4
McAllister, Patty	Q1	Perkhounkova, Yelena	C4
McBride, James R.	N6	Perlman, Carole	K2
McHale, Frederick J.	A3	Petersen, Nancy S.	E3,Q2
McLean, James E.	C4	Phillips, Gary W.	B1
McNellis, Janet	K5	Phillips, Susan	J4,L2
Mehrens, William A.	K4	Pipho, Chris	L2
Mengeling, Michelle A.	D3	Pippen, Randy	D2
Michaels, Hillary	D3,E3,N2	Plake, Barbara S.	D3,J2,O1
Miller, Jean	E4	Poggio, John P.	N4
Miller, M. David	B3,K5,Q3	Poniatowski, Paul A.	AA
Miller, Susan J.	C2	Pullin, Diana	A1,E4
Millman, Jason	J2	Qualls, Audrey L.	L3,Q5
Mislevy, Robert	B1	Quilter, Shawn	B4
Mitzel, Howard C.	P4	Raju, Nambury	A1,L3,O3,Q5
Monaco, Malina K.	N3	Rattenborg, Steven D.	Q3
Moon, Tonya	O3	Reckase, Mark D.	C2,K4,M4,Q1
Moss, Pamela	E4,M4	Redfield, Doris L.	C4
Munger, Benson S.	AA	Reese, Lynda	C3,P3
Muraki, Eiji	N3	Resnick, Lauren	I1
Myford, Carol M.	Q3	Reusser, R.	J5
Mzumara, Howard	B2	Ridge, Kirk	K2
Nandakumar, Ratna	B2,E2,J3,N3	Rigney, Sue	K5
Nellhaus, Jeff	M2	Rivera, Charlene	M2
Nering, Michael	C3	Robin, Frederic	L1,M3
Nhouyvanisvong, Adisack	N2	Roeber, Edward	L2,N2
Nickell, Pat	J1	Rogers, W. Todd	N2
Norcini, John J.	AA,K3,O1	Ross, Linette P.	B2
Normandia, Bruce	M1	Rosse, Rodney L.	P4
Nowakowski, Jeri	D2	Roussos, Louis	C3,E2,J3,K1
Nunez, Athena	C2	Ryan, Joseph M.	A2,B4
Nungester, Ronald J.	E1,K3,N1	Ryan, Katherine E.	Q5
O'Neil, Harry F.	N6	Samejima, Fumiko	C3
O'Neill, Kathleen	A3	Sandifer, Paul	M3
O'Reilly, Joseph	A2	Sanford, Ellie	K5
O'Sullivan, Christine	O2	Sawyer, Richard L.	A3
Olsen, James B.	L1	Scheuneman, Janice D.	K3,O3
Omar, Md Hafidz	E3	Schmeiser, Cyndie B.	K3
Oppler, Scott H.	P4	Schmidt, Amy E.	A3
Orpwood, G.	J5	Schmitt, Alicia	L1,P2
Oshima, T. C.	O3,Q5	Schnipke, Deborah L.	I3
Page, Ellis B.	N4	Schoenfield, Alan	E5
Park, Chung	J3	Schuppen, Frederick W.	P2
Parke, Carol S.	O3	Schutz, Aaron	E4
Parshall, Cynthia	I3	Schwarz, Richard	N2,N3
Pashley, Peter J.	I3,K1,P4	Scrams, David J.	I3
Patelis, Thanos	C4,M3	Segall, Daniel O.	N6,P3
Patience, Wayne	B2	Semel, Theresa	I2
Patsula, Liane	P3	Seong, Tae-Je	J3
Patz, Richard J.	Q3	Seraphine, Anne E.	K5
Payne, David	A3	Severance, Donald D.	B2
Peak, L.	J5	Shakrani, Sharif	B1
Pearlman, Mari A.	D1,N5	Shanker, Albert	J4
Pearson, P. David	E5	Shavelson, Richard	I1

Shaw, Dale G.	D3	Truman, Dale L.	N4
Sheingold, Karen	C2	Tsai, Tsung-Hsun	P4
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Shermis, Mark D.	B2	Turner, Gloria	K5
Singley, Mark K.	N2	Twing, Jon S.	B2
Sireci, Stephen G.	E3,J2,L1,M3	Vale, C. David	I2
Sjolund, Rina	I2	VanEssen, Tom	C1
Slater, Sharon	E1	Vincent, Carolyn	M2
Smith, Jeffrey K.	P1	Vispoel, Walter	B2
Smith, Philip L.	L3	Wainwright, Gordon E.	B3
Smith, Robert L.	I3	Walen, Sean	D1
Snetzler, Suzi	Q5	Walker, Cynthia M.	J3
Snyder, Scott W.	C4	Waltman, Kristie K.	M3
Spagnolo, Joseph	J4	Watson, Scott A.	K3
Stanley, Julian C.	N4	Way, Walter D.	P1
Stansfield, Charles	L1	Weber, Melba	N2
Stebler, R.	J5	Wiley, Andrew J.	P4
Steffen, Manfred	P3	Wiley, David E.	I1
Steger-May, Karen	B2	Williams, Bruce A.	P3
Stiggins, Rick	D3	Wilson, Mark	B3
Stout, William	B3,E2,O3	Wise, Art	N5
Stuck, Gary B.	N4	Wise, Laress L.	E1
Styles, Irene	C3	Wise, Steven L.	B2,P1
Sugrue, Brenda	O2	Wolf, Kenneth	N5
Swaminathan, Hariharan	J3,L1	Wolfe, Edward W.	C2,Q3
Swanson, David B.	N1	Worthington, Lois	Q4
Swinton, Spencer S.	Q4	Wu, Hongsheng	O3
Swygert, Kimberly	P3	Wurzbach, Linda	E4
Sykes, Robert C.	L3,P4	Xing, Huilan	L3
Taleporos, Elizabeth	M4	Yen, Wendy M.	L3,M4
Tamir, P.	J5	Yepes-Baraya, Mario	C2,O2
Tang, K. Linda	N3,P4	Yoon, Bokhee	I1
Tatsuoka, Kikumi	C1,O2,Q4	Young, Michael J.	I1
Taylor, Catherine S.	N2	Young, Suzanne	D3
Thayer, Dorothy T.	O3,Q4	Yu, Feng	N3
Thomas, Susan J.	M1	Zara, Anthony R.	P1
Thomasson, Gary L.	P3	Zhang, Jinming	E2,Q4
Thompson, Tony	C3,J3	Zhang, Zhicheng	D3
Thompson, William	E4	Zieky, Michael J.	M1
Tippets, Elizabeth	E3	Zuzovsky, R.	J5
Tognolini, Jim	C3	Zwick, Rebecca	K1,O3
Trent, Roger	I2,L2		



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