

2002 Annual Meeting Program

National Council on Measurement in Education

Sheraton New Orleans Hotel
New Orleans Marriott
Le Meridien New Orleans
New Orleans, LA
April 2 – 4, 2002

Future Meetings

2003	Chicago	April 22 – 24
2004	San Diego	April 13 – 15
2005	Montreal	April 12 – 14
2006	San Francisco	April 9 – 11

NCME Officers

President	H.D. Hoover <i>University of Iowa</i>
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Editors

Journal of Educational Measurement	Barbara G. Dodd <i>University of Texas</i>
Educational Measurement: Issues and Practice	Jeri Benson <i>University of Georgia</i>
NCME Newsletter	Douglas E. Becker <i>Riverside Publishing Company</i>
ITEMS	Deborah Harris <i>ACT, Inc.</i>
Website Editors	Del Harnisch <i>University of Nebraska – Lincoln</i> Bradley Hanson <i>CTB/Mc-Graw Hill</i> <i>(July 2002)</i>

2002 Annual Meeting Chairs

Program Chairs	Audrey Qualls <i>University of Iowa</i> Howard Everson <i>The College Board</i>
Training Sessions	James S. Roberts <i>University of Maryland</i>
Run/Walk Co-Directors	Ronald A. Berk <i>Johns Hopkins University</i> Valerie Andrews <i>Southern Runner Productions</i>
Administrative Support	Nancy Dwight <i>The University of Iowa</i> Sue Wollrab <i>The University of Iowa</i>

Proposal Reviewers

Anderson, David O.	Habing, Brian	Patience, Wayne
Ansley, Tim	Harris, Deb	Penfield, Randall
Arenson, Ethan	Hennings, Sara	Petelis, Thanos
Arter, Judy	Hombo, Catherine M.	Petersen, Nancy
Ban, Jae-Chun	Hsu, Yaowen	Pitoniak, Mary J.
Barron, Sheila	Hubleby, Anita M.	Potenza, Maria
Becker, Douglas	Huff, Kristen	Qualls, Audrey
Bejar, Isaac	Hughes, Gerunda	Raymond, Mark
Bene, Nancy	Jiang, Ying Hong	Reshetar, Rosemary
Breithaupt, Krista	Jones, Vinetta	Roberts, James
Brennan, Robert	Julian, Ellen	Roeber, Ed
Brookhart, Susan	Katz, Irvin	Rogers, Bruce
Brooks, Tom	Kim, J. P.	Rogers, Todd
Burden, Tim	Kim, Seock-Ho	Scheuneman, Janice
Camara, Wayne J.	Kolen, Michael	Seraphine, Anne
Carlson, James	Lawrence, Ida	Shermis, Mark
Cerrillo, Tracy	Lee, Won-Chan	Shyu, Chiou-Yueh
Chen, Troy	Leighton, Jackie	Skaggs, Gary
Cizek, Gregory	Lenke, Joanne	Smith, Jeffrey K.
Clark, Marguerite	Lin, Chuan-Ju	Smith, Lisa F.
Colton, Dean	Lipner, Rebecca	Spratt, Kevin
Crehan, Kevin	Livingston, Samuel	Spray, Judy
Crouse, Jill	Loomis, Susan	Stone, Clem
Dunbar, Stephen	Luecht, Richard	Taylor, Catherine
Dwyer, Carol	MacQuarrie, Duncan	Thompson, Tony
Eignor, Daniel	Manhart, Jim	Walker, Cindy
Evans, Alice	Manswell-Butty, Joanne	Wallace, Michael
Fan, Meichu	Martinovich-Barhite, D.	Waltman, Kris
Fitzpatrick, Anne	Matthews-Lopez, Joy	Way, Walter
Forsyth, Robert	McLarty, Joy	Whittington, Dale
Fremer, John	Melican, Jerry	Wild, Cheryl
Friedman, Chuck	Miller, M. David	Yamamoto, Kentaro
Frisbie, Dave	Miller, Tim	Yan, Jean
Gamache, LeAnn	Muraki, Eiji	Yeld, Nan
Gierl, Mark	Noble, Julie	Yen, Wendy
Green, Donald Ross	Onwuegbuzie, Tony	Yi, Qing
Gregory, Kelvin	Parsons, Beverly	Yoes, Michael

**NCME Annual Meeting Training Sessions
New Orleans, LA April 1–3**

Admission to 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. Courses are subject to cancellation for insufficient registration. Some courses require advanced registration. The deadline for ordering tickets is March 15, 2002. The schedule of the sessions is tentative. Any tickets available at the conference will be sold on a first-come, first-served basis at the registration area in one of the convention hotels.

Monday, April 1 8:15 – 12:15 PM AA

Secrets to Creating Successful Surveys

Presenter: Susan Thomas, IBM

Fee: \$15

This training session is targeted to persons who are designing surveys for research studies or as a means for gathering data for decision making, including practitioners, researchers, graduate students, and professors who include a unit on developing a survey in their Research Design courses. The overall objective of this session is to provide participants with details of the processes involved in developing a survey that will help ensure the success of the survey. Those who attend the session will learn about the variety of formats that can be used with surveys, the relationship of survey format to audience, sampling strategies to help ensure a good response rate, and differences in preparing surveys for e-mail and web distribution.

Monday, April 1 8:30 – 5:00 PM BB

Graphical Models in Educational Assessment

Presenters: Russell G. Almond, David M. Williamson, ETS;
Robert J. Mislevy, University of Maryland

Fee: \$95

The term *graphical models* refers to a probability distribution which is factored according to a graph—nodes of the graph represent variables in the distribution and edges are chosen to represent conditional dependencies among the variables. Because conditional independence relations can be read from the graph, the graph provides an intuitive picture of the statistical model. As such it provides a mechanism for communication between measurement specialists and domain area experts. Graphical models, especially the Bayesian networks (graphical models over discrete spaces), have proved very popular in the artificial intelligence community producing applications in the following areas: medical diagnosis, reliability, military intelligence, speech recognition, music understanding, user modeling, and educational testing.

Monday, April 1

9:00 – 5:00 PM

CC

Test Equating Methods and Practices

Presenters: Michael J. Kolen, Robert L. Brennan, The University of Iowa Fee: \$95

The potential need for equating arises whenever a testing program uses multiple forms of a test that are developed according to the same specifications. The general purpose of equating is to adjust scores so that examinees are neither advantaged nor disadvantaged for taking a relatively difficult or easy test form. Practical issues will be considered in this session, along with numerical examples using both real and synthetic data. Upper-level graduate students, new PhD's, testing professionals with operational or oversight responsibility for equating, and others with interest in learning about equating methods and practices will be interested in this session. Participants should have taken at least one graduate course in measurement and two graduate courses in statistics.

Monday, April 1

2:15 – 6:15 PM

DD

Reliability Generalization: A Meta-Analytic Method to Characterize Variations in the Reliability of a Measure's Scores Across Administrations

Presenters: Tammi Vacha-Haase, Colorado State University;
Robin K. Henson, University of North Texas;
Bruce Thompson, Texas A&M University and Baylor College of Medicine

Fee: \$15

This training session presents a user-friendly introduction to the basic concepts of a new measurement meta-analytic method: Reliability Generalization (RG). The session presumes no specialized background except basic familiarity with common analysis of variance. RG characterizes the typical reliability of scores for a given test across studies and the amount of variability in reliability coefficients across studies. A continually updated bibliography of RG studies is posted on the Web: www.coe.tamu.edu/~bthompson/religenr.htm.

Tuesday, April 2 2:15 – 6:15 PM EE

MCMC Item Calibration: A Primer

Presenters: Douglas H. Jones, Francis A. Mendez, Rutgers University Fee: \$15

The intended audience for this session is measurement graduate students, practitioners, and researchers wishing to understand Marco Chain Monte Carlo simulation and its application to Bayesian statistics in IRT. The primary objective for this session is to provide participants with the tools to apply MCMC to their own IRT models.

Wednesday, April 3 2:15 – 6:15 PM FF

Finishing Up and Finding a Job: Practical Suggestions for Graduate Students in Measurement

Presenters: Deborah J. Harris, ACT, Inc.;
Dara Martinovich-Barhite, Wisconsin State Department of Public Instruction
Fee: \$15

This training session is targeted towards graduate students in measurement who have questions in such areas as the following: where jobs are available (e.g., school districts, state departments), what employers look for in application materials, what types of questions might be asked at an interview, what questions an interviewee should ask, possible dissertation topics, etc. Graduate students in other areas might gain some benefit from this session, but the materials will be specifically geared to graduate students in measurement.

Monday, April 1 4:15 – 7:00 PM

NCME Board of Directors Meeting

Members are invited to attend as observers.

Bayside B, 4th Floor
Sheraton Hotel

Major address and selected sessions of the annual meeting will be available on cassette tapes. Information on ordering tapes may be obtained in the AERA/NCME registration area.

Tuesday, April 2 8:15 – 10:15 AM A1

Automated Item Generation: Psychometrics to Support an Emerging Technology – Symposium

Organizer/Moderator

Walter D. Way, Educational Testing Service

Presenters

Saba Rizavi, Walter D. Way, Tim Davey, Erin Herbert, ETS

Tolerable variation in item parameter estimation

Feng Yu, Aleta Sclan, Walter D. Way, ETS

Item calibration using expected response functions

Matthew S. Johnson, ETS

Hierarchical approaches to item model calibration

David M. Williamson, Isaac I. Bejar, ETS

Using testlet response theory to evaluate the equivalence of automatically generated multiple-choice items

Discussants

Susan E. Embretson, University of Kansas

Michael J. Kolen, The University of Iowa

Bayside C, 4th Floor
Sheraton Hotel

Tuesday, April 2 8:15 – 10:15 AM A2

National Hearing on the Student Evaluation Standards – Symposium

Organizer

Arlen Gullickson, Western Michigan University

Moderators

Mark Wilson, University of California-Berkeley

Donald Yarbrough, The University of Iowa

Presenters

Paula Egelson, SERVE

The student evaluation standards from a regional educational laboratory perspective

Pam Ehly, Iowa City Community School District

The student evaluation standards from a school administrator's perspective

Kevin Hollenbeck, MI Board of Education

The student evaluation standards from a school board perspective

Amy Frauenholtz, Luther Seminary

The student evaluation standards from a graduate student's perspective

Gary Wegenke, Western Michigan University

The student evaluation standards from the perspective of developing educational leaders

Pontchartrain B, 3rd Floor
Sheraton Hotel

Challenges in Reporting the Performance of ELLs in State Assessments – Symposium

Organizer

Charlene Rivera, George Washington University

Presenters

Charlene Rivera, Lynne Sacks, George Washington University

States' policies for reporting the performance of English language learners in state assessments

Nancy Maihoff, Delaware Department of Education; Laura Ayala, Texas Education Agency

ELL performance reporting in Delaware

Katherine Viator, Massachusetts Department of Education

The inclusion of limited English proficient students in the Massachusetts comprehensive assessment system (MCAS)

Debra Albus, Martha Thurlow, NCEO, University of Minnesota

Reporting the performance of English language learners in state assessments

Discussant

Pasquale De Vito, The National Academies

Grand Ballroom B, 5th Floor
Sheraton Hotel

Test Adaptation Research: Methodological Advances and Results – Symposium

Organizer

Ronald K. Hambleton, University of Massachusetts-Amherst

Presenters

W. Todd Rogers, Mark J. Gierl, CRAME, University of Alberta

Differential validity and utility of successive and simultaneous approaches to the development of equivalent achievement tests in French and English

Kadriye Ercikan, Tanya McCreith, University of British Columbia

Disentangling sources of differential item functioning in multi-language assessments

Stephen G. Sireci, Shameem Nyla Khaliq, University of Massachusetts-Amherst

An analysis of the psychometric properties of bilingual test forms

Avi Allalouf, Joel Rapp, National Institute for Testing & Evaluation

Equating translated verbal test forms using multiple channels

Discussants

Michal Beller, Educational Testing Service

Ronald Hambleton, University of Massachusetts-Amherst

Oakley, 4th Floor
Sheraton Hotel

Tuesday, April 2	10:35 – 12:05 PM	B1
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Cognition and Assessment: Building Tests So We Know What Students Know – Paper Session

Moderator

Anita Hubley, University of British Columbia

Presenters

Gail Baxter, Louis DiBello, Christine Witkowski, Educational Testing Service;
Brian Junker, Carnegie Mellon University

Designing a cognitive developmental assessment of proportional reasoning

Joanna S. Gorin, Susan Embretson, University of Kansas;

Kathleen M. Sheehan, ETS

*Cognitive and psychometric modeling of text-based reading-comprehension
GRE items*

Jacqueline P. Leighton, Mark J. Gierl, Steve Hunka, University of Alberta

*The attribute hierarchy model: An approach for integrating cognitive theory
with assessment practice*

Gordon Wainwright, Zhen Wang, CTB/McGraw-Hill

*Identifying a 'Heuristic Search' component of performance on standardized
achievement test items*

Discussants

Pat Kyllonen, ETS

Robert Mislevy, University of Maryland

Tuesday, April 2	10:35 – 12:05 PM	B2
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Standard Setting From an IRT Point of View: New Methods and Perspectives – Symposium

Organizers

Rianne Janssen, University of Leuven

Mark Wilson, University of California-Berkeley

Presenters

Mark D. Reckase, Michigan State University, Karen Draney, Mark Wilson,

Machteld Hoskens, University of California-Berkeley

Improving panelists' understanding of the standard setting process using IRT

Frank C. J. A. van der Schoot, Cito Institute for Educational Measurement

*The application of an IRT-based method for standard setting in a three-stage
procedure*

Mark Wilson, Karen Draney, Machteld Hoskens, University of California-Berkeley

*Selecting cut scores with a composite of item types: The "Construct Mapping"
procedure*

Rianne Janssen, University of Leuven

*Model-based classification of students using a hierarchical IRT model for
criterion-referenced measurement*

Discussants

Paul De Boeck, University of Leuven

Howard C. Mitzel, Pacific Metrics Corporation

Tuesday, April 2

10:35 – 12:05 PM

B3

Computer-Based Testing: Where’s the IRT? – Paper Session

Moderator

Douglas Becker, Riverside Publishing

Presenters

Brent Bridgeman, Marylou Lennon, Altamese Jackenthal, Educational Testing Service

Effects of screen size, screen resolution, and display rate on computer-based test performance

Hua-Hua Chang, University of Texas at Austin;

Zhiliang Ying, Columbia University

To weight or not to weight-balancing influence of initial and later items in CAT

Chi-Keung Leung, Hong Kong;

Hua-Hua Chang, University of Texas at Austin;

Kit-Tai Hau, The Chinese University of Hong Kong

Comparing three item selection approaches for computerized adaptive testing with content balancing requirement

Elena C. Papanastasiou, University of Kansas

A rearrangement procedure for administering adaptive tests with review options

Discussants

Thanos Patelis, College Board

Kimberly Swygert, Law School Admission Council

Oakley, 4th Floor
Sheraton Hotel

Tuesday, April 2

10:35 – 12:05 PM

B4

What Will Be the Effects on Assessment and Accountability in Local School Districts of the “No Child Left Behind Legislation?” – (sponsored by the National Association of Test Directors)

Organizer/Moderator

Lee Baldwin, Orange County Public Schools

Presenters

Michael Kean, CTB/McGraw-Hill

Sharon Lewis, Council of the Great City Schools

Mary Yakimowski, Baltimore City Public Schools

Joe O’Reilly, Mesa Public Schools

Rhythms I, 2nd Floor
Sheraton

Using Multi-Dimensional IRT Wisely: Just How Many Sides Does This Test Have? – Paper Session**Moderator**

Kyoko Ito, CTB/McGraw-Hill

Presenters

Terry Ackerman, University of North Carolina-Greensboro;

Sandra Neustel, American Registry of Radiologic Technologists

Catherine Hombo, Educational Testing Services

Evaluating indices used to assess the goodness-of-fit of the compensatory multidimensional item response theory model

Jimmy de la Torre, University of Illinois-Urbana-Champaign;

Richard J. Patz, CTB/McGraw-Hill

A multidimensional item response theory approach to simultaneous ability estimation

Jacqueline Gosz, University of Notre Dame;

Cindy M. Walker, University of Wisconsin-Milwaukee

An empirical comparison of multidimensional item response data using TESTFACT and NOHARM

Matthew S. Johnson, Frank Jenkins, ETS

A Bayesian hierarchical model for multi-dimensional performance assessments

Jinming Zhang, ETS

Estimation of multidimensional noncompensatory models

Discussant

Mark Reckase, Michigan State University

Tuesday, April 2

12:25 – 1:55 PM

C2

NAEP – Paper Session

Moderator

Jeri Benson, University of Georgia

Presenters

John Mazzeo, Brenda Siok-Hoon Tay-Lim, Edward Kulick, Educational Testing Service

Market-basket reporting in NAEP: A study of selected psychometric issues

Jiahe Qian, Bruce Kaplan, Vincent Weng, ETS

Combining NAEP state and national samples: Reducing burdens, increasing production

Matthew Schulz, Won-Chan Lee, ACT, Inc.

Describing NAEP mathematics achievement using domain scores

Brenda Siok-Hoon Tay-Lim, Ming-mei Wang, Edward Kulick, ETS

An empirical evaluation of various methods for linking market-basket forms to main NAEP

Discussants

Mary Lyn Bourque, Mid-Atlantic Psychometric Services, Inc.

Sharif Shakrani, National Assessment Governing Board

Bayside C, 4th Floor
Sheraton Hotel

Tuesday, April 2

12:25 – 1:55 PM

C3

Comparing Three Models for Analyzing the Alignment of Assessments to Standards and Curriculum: Discussion of Quality of the Measures – Symposium

Organizer

Rolf K. Blank, Council of Chief State School Offices

Moderator

Bernice Anderson, National Science Foundation

Presenters

Norman L. Webb, University of Wisconsin-Madison

Alignment analysis of language arts standards and assessments for four states

Rolf K. Blank, Council of Chief State School Offices;

John Smithson, Andrew Porter, University of Wisconsin-Madison

Alignment analysis of assessments and instruction: results from a multi-state analysis

Jennifer Vranek, Joanne Eresh, Achieve, Inc.

Benchmarking standards and aligning tests to standards: A good test of what?

Discussants

Sue Rigney, U.S. Department of Education

Paul La Marca, Nevada Department of Education

Grand Ballroom B, 5th Floor
Sheraton Hotel

Tuesday, April 2 2:15 – 3:45 PM D1

Measuring the Impact of Professional Development Programs in Math and Science Education for English Language Learners and Ethnically Diverse Students (Sponsored by NCME Minority Issues and Testing Committee)

Moderator

Concepción M. Valadez, University of California-Los Angeles

Presenters

Harold Asturias, University of California-Oakland

Professional development programs for English language development and math and science in California

Mary Ramírez, School District of Philadelphia

Models of assessing professional development for teachers of English learners in Philadelphia

Dwight Cooley, Ft. Worth Independent School District

Professional development and instructional change in mathematics education for ethnically diverse children in Texas

Discussant

Ursula Casanova, Arizona State University

Tuesday, April 2 2:15 – 3:45 PM D2

Issues in Vertical Scaling – Symposium

Organizer

Gary A. Schaeffer, CTB/McGraw-Hill

Moderator

Gary A. Schaeffer, CTB/McGraw-Hill

Presenters

Richard J. Patz, Bradley A. Hanson, CTB/McGraw-Hill

Psychometric issues in the construction and maintenance of vertical scales

Furong Gao, Anne R. Fitzpatrick, CTB/McGraw-Hill

Vertical scaling for norm-referenced tests

Joanna T. Tomkiewicz, Gary A. Schaeffer, CTB/McGraw-Hill

Vertical scaling for custom criterion-referenced tests

Daniel M. Lewis, CTB/McGraw-Hill

Standard setting with vertical scales

Discussants

Huynh Huynh, University of South Carolina

Nancy S. Petersen, ACT, Inc.

Tuesday, April 2

2:15 – 3:45 PM

D3

New Approaches for Identifying and Interpreting Differential Bundle Functioning – Symposium

Organizer

Mark J. Gierl, University of Alberta

Presenters

Frances McCarty, T.C. Oshima, Georgia State University;

Nambury Raju, Illinois Institute of Technology

Polytomous differential bundle functioning using the DFIT framework

Mark J. Gierl, Jeffrey Bisanz, Gay L. Bisanz, Keith A. Boughton, University of Alberta;

Using DBF analyses to evaluate cognitive characteristics predicted to cause gender differences in mathematics

Daniel M. Bolt, University of Wisconsin-Madison

Differential item functioning consistency within item bundles

Discussants

Louis Roussos, University of Illinois-Urbana-Champaign

Terry Ackerman, University of North Carolina-Greensboro

Oakley, 4th Floor
Sheraton Hotel

Tuesday, April 2

4:05 – 6:05 PM

E1

IRT: A Theory of Everything: – Paper Session

Moderator

Martin Orland, Office of Educational Research and Improvement

Presenters

Ralph DeAyala, University of Nebraska

The effect of missing data on estimating a respondent's location on affective variables

John R. Donoghue, Catherine M. Hombo, Educational Testing Service

Detecting rater drift using an IRT hierarchical rater's model

Amy R. Drescher, Clement A. Stone, University of Pittsburgh;

Catherine M. Hombo, ETS

The examination of local item dependency using the testlet model

Thakur Karkee, Daniel M. Lewis, Karen Barton, CTB/McGraw-Hill;

Carolyn Haug, Colorado Dept. of Education

The effect of including or excluding students with testing accommodations on IRT calibrations

Russell W. Smith, Paul E. Jones, Galton Technologies

The robustness of forms assembly using a small n: A comparison of classical method vs Rasch

Discussants

Nambury Raju, Illinois Institute of Technology

Daniel Eignor, ETS

Oakley, 4th Floor
Sheraton Hotel

Tuesday, April 2

4:05 – 6:05 PM

E2

Raising the Bar: Methods of Standard Setting – Paper Session

Moderator

Marguerite Clarke, Boston College

Presenters

Roberta N. Chinn, Norman R. Hertz, California Dept. of Consumer Affairs

*The role of deliberation style in standard setting for licensure
and certification examinations*

Steve Ferrara, Marianne Perie, Eugene Johnson, American Institute for Research

Setting performance standards: The item-descriptor matching procedure

Patrick Irwin, University of Nebraska-Lincoln;

John Crawford, Millard Public Schools

Bookmark standard setting vs. the Angoff method: A comparison of results

Deborah L. Schnipke, Computer Adaptive Technologies, Inc.

*The accuracy of pass/fail decisions in random and equated domain-sampling
tests*

Discussants

Peter Behuniak, Connecticut Department of Education

Luz Bay, Measured Progress

Tuesday, April 2

4:05 – 6:05 PM

E3

**Designing the Perfect Large-Scale Assessment – Graduate Student
Symposium (Sponsored by the NCME Graduate Student Issues
Committee)**

Organizer

Lisa A. Keller, University of Massachusetts-Amherst

Presenters

Bruno Zumbo, University of British Columbia

Investigating DIF

Hariharan Swaminathan, University of Massachusetts-Amherst

Measuring change and equating

Linda Crocker, University of Florida

Reliability/validity issues

Barbara Plake, University of Nebraska-Lincoln

Standard setting

Ronald K. Hambleton, University of Massachusetts-Amherst

Test design

Tuesday, April 2

6:15 – 7:30 PM

No-Host Cocktail Party and Reception

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

The reception is sponsored by ACT, Inc., CTB/McGraw-Hill, Educational Testing Service, American Council on Education/GED Testing Service, Harcourt Educational Measurement, Measured Progress, National Board of Medical Examiners, and National Evaluation Systems, Inc.

Grand Ballroom B, 5th Floor
Sheraton Hotel

Wednesday, April 3

5:50 – 7:30 AM

NCME Fitness Run/Walk

Marriott Hotel: Inside Lobby

Co-Directors:

Ronald A. Berk, Johns Hopkins University;
Valerie Andrews, Southern Runner Production

Run or walk 5K/2.5K course in Audubon Park. Meet in the lobby of the Marriott Hotel at 5:50 A.M. Buses will leave promptly at 6:00 A.M. for the Park. The last bus will return to the Marriott by 7:30 A.M. Advanced registration is required.

This event is made possible through the sponsorship of: Harcourt Brace Educational Measurement, CTB/McGraw-Hill, Riverside Publishing Company, American Guidance Services, National Evaluation Systems, and *Runner's World*.

Lobby
Marriott Hotel

Wednesday, April 3 8:00 – 10:15 AM F1

**NCME Business Meeting and Presidential Address
Some Common Misconceptions about Tests and Testing**

Presenter

H.D. Hoover, The University of Iowa

NCME members who would like to attend only the presidential address are welcome at 9:00 A.M.

Cassettes of this session will be available for purchase in the registration area.

Wednesday, April 3 10:35 – 12:05 PM G1

Borderline Survey Standard Setting Method – Symposium

Moderator/Organizer

Paul E. Jones, Galton Technologies

Presenters

G. Eric Jenson, Galton Technologies

A comparison of borderline survey and modified bookmark standard setting methods

Russell W. Smith, Galton Technologies

A multitrait-multimethod validity investigation of responses from borderline survey questions

Kim Thayn, David Lauret, Galton Technologies

An investigation of the type of survey questions that perform well in borderline survey standard setting

Discussant

Barbara Plake, University of Nebraska-Lincoln

Here, Try This! Selecting Items for Computer-Based Tests - Paper Session

Moderator

Valerie S. L. Williams, North Carolina Central University

Presenters

Robin Guille, American Board of Internal Medicine;

Rebecca S. Lipner, John J. Norcini, Institute for Clinical Evaluation

Stratified random item selection in computerized classification testing

Yaowen Hsu, Meichu Fan, ACT, Inc.

A further examination of MMLE-based methods for on-line calibration

Gary Skaggs, Virginia Polytechnic Institute and State University

Software use in psychometric research

Robert L. Smith, Saba Rizavi, Roxanna Paez, Ourania Rotou, Educational Testing Service

Updated item parameter estimates using sparse CAT data

Discussants

Jae-Chun Ban, ACT, Inc.

Peter J. Pashley, Law School Admission Council

Mardi Gras B, 3rd Floor
Marriott Hotel

Excellence in Classroom Assessment Training in Teacher Education – Classroom Assessment Session (Sponsored by NCME Classroom Assessment Award Committee)

Organizer

Richard Stiggins, Assessment Training Institute

Moderator

Jennifer Reed, Assessment Training Institute

Institutional Awardees

Levinsky College of Education
Tel Aviv, Israel

The Assessment Cohort Program
Teachers College
Lincoln

University of Nebraska-Lincoln
Lincoln

College of Education,
University of Alabama

Institutional Representatives

Pnina Frenkel

Leslie Luken, Lincoln Public Schools
Debbie Bandalos, University of Nebraska-

Delwyn L. Harnish, University of Nebraska-

Judy Burry-Stock
Gyu-Pan Cho
Celeste Frasier

Discussants

Dave Frisbie, The University of Iowa

Cyndie Schmeiser, ACT, Inc.

Mardi Gras E
Marriott Hotel

Wednesday, April 3 12:25 – 1:55 PM H1

The Bush Accountability and Assessment Agenda: New Opportunities and Challenges – Invited Address

Organizers

Audrey Qualls, The University of Iowa
Martin Orland, Office of Educational Research and Improvement

Moderator

Audrey Qualls, The University of Iowa

Presenter

Susan Neuman, Assistant Secretary, Office of Elementary and Secondary Education, U. S. Department of Education

Discussant

Robert Linn, University of Colorado

Wednesday, April 3 12:25 – 1:55 PM H2

To DIF or Not to DIF? That Is the Question - Paper Session

Moderator

Dean Colton, ACT, Inc.

Presenters

Allan S. Cohen, Daniel M. Bolt, University of Wisconsin-Madison

A mixture Rasch model analysis of gender DIF

Lisa M. Floreck, National Board of Medical Examiners

A structural equation modeling approach to differential item functioning in performance assessments

Claudia Flowers, University of North Carolina;

Nambury Raju, Illinois Institute of Technology;

T. Chris Oshima, Georgia State University

A comparison of measurement equivalence methods based on confirmatory factor analysis and item response theory

Richard D. Schwarz, Changhua Rich, Ethan A. Arenson, CTB/McGraw-Hill;

H. Gary Cook, Wisconsin Dept. of Public Instruction

An analysis of differential item functioning based on calculator type

Discussants

Bruno Zumbo, University of British Columbia

Carol Dwyer, Educational Testing Service

If You Scale, They Will Come and Other Scaling Stories – Paper Session

Moderator

Linette Ross, National Board of Medical Examiners

Presenters

N. Scott Bishop, Md Hafidz Omar, Riverside Publishing

Comparing vertical scales derived from dichotomous and polytomous IRT models for a test composed of testlets

Amy B. Hendrickson, Michael J. Kolen, The University of Iowa

Scaling of two-stage adaptive test configurations for achievement testing

Tsung-Hsun Tsai, Guemin Lee, Julius Timbol, CTB/McGraw-Hill

An evaluation of the use of linking as a measure to achieve score comparability across mixed item formats

Nambury S. Raju, Illinois Institute of Technology;

Ethan A. Arenson, CTB/McGraw-Hill

Developing a common metric in item response theory: An area-minimization approach

Discussants

Mary Pommerich, Defense Manpower Data Center

Gregory Camilli, Rutgers University

Iberville, 4th Floor
Marriott Hotel

A Look at the Current State of Linking Large-Scale Assessments – Symposium

Moderator/Organizer

Eugene Johnson, American Institutes for Research

Presenters

Eugene Johnson, American Institutes for Research

Linking the NAEP to the TIMSS

Donald McLaughlin, American Institutes for Research

Issues in comparing achievement and gains on NAEP and state assessments

April Zenisky, University of Massachusetts-Amherst

Evaluating approaches to scaling and equating with mixed-format tests in large-scale assessments

Michele Zimowski, NORC University of Chicago

The variant-item technique of linking

Discussants

Arnold Goldstein, National Center for Education Statistics

Andrew Kolstad, National Center for Education Statistics

Mardi Gras E, 3rd Floor
Marriott Hotel

Wednesday, April 3 2:15 – 3:45 PM I1

All Things Being Equal: Equating with IRT – Paper Session

Moderator

Ourani Rotou, Educational Testing Service

Presenters

Dong-In Kim, CTB/McGraw-Hill;

Robert Brennan, Michael Kolen, The University of Iowa

A comparison of IRT equating and Beta 4 equating

Guemin Lee, CTB/McGraw-Hill

IRT equating using fixed C-parameter estimates for anchor items

Anton A. Béguin, Cito Group

Robustness of IRT test equating to violations of the representativeness of the common items in a nonequivalent groups design

Richard L. Tate, Aki Kamata, Florida State University

Performance of a proposed method for the long-term equating of a mixed-format test

Discussants

Lawrence M. Aleamoni, University of Arizona

Gary Thomasson, Defense Manpower Data Center

Wednesday, April 3 2:15 – 3:45 PM I2

Research in Support of the Development of New TOEFL – Symposium

Organizer

Daniel R. Eignor, Educational Testing Service

Presenters

Mary K. Enright, Brent Bridgeman, ETS

Prototyping a test design for new TOEFL

Don Powers, Fred Cline, ETS

Self-assessment as a validity criterion for new TOEFL

Yong-Won Lee, ETS

Score dependability of the writing and speaking sections of new TOEFL

Claudia Gentile, Anastasia Riazantseva, ETS

A comparison of handwritten and word processed TOEFL essays:

Implications for new TOEFL

Discussant

Craig Deville, The University of Iowa

Validity Issue in Testing: How You Doin’? How are You Doing? How Ya Doin’? – Paper Session

Moderator

Judith A. Koenig, National Academy of Science

Presenters

Dean Colton, ACT, Inc.

Approaching validity through testlets

Tony C. M. Lam, Usman Erdosog, University of Toronto

Psychometric properties of performance-based assessment: A synthesis of findings

Melissa J. Margolis, Brian E. Clauser, Polina Harik, National Board of Medical Examiners

Assessing consequential validity in a high-stakes performance assessment

Timothy O’Neil, Stephen G. Sireci, Kristen L. Huff, University of Massachusetts-Amherst

Evaluating test structure over time: content validation of a statewide assessment

Discussants

Gerald Melican, American Institute of Certified Public Accountants

Jerry DeMauro, New York State Education Department

Studio 7
Marriott Hotel

Appraising a Project Designed to Stimulate Construction of Instructionally Supportive Accountability Tests – Symposium

Organizer

W. James Popham, University of California-Los Angeles

Moderator

Sharon Lewis, Council of the Great City Schools

Presenters

Marcella Dianda, National Education Association

Addressing real life concerns about testing through a researcher-practitioner partnership

W. James Popham, UCLA

How to nurture the construction of instructionally supportive large-scale tests: an expert panel’s view

Paul Sandifer, South Carolina Department of Education

Can statewide tests simultaneously serve instructional and accountability functions?

Discussants

Wayne Neuburger, Oregon Department of Education

Mary E. Yakimowski, Baltimore City Public School System

Mardi Gras E, 3rd Floor
Marriott Hotel

The Alignment of Standards and Assessment: Building Better Methodologies – Symposium

Organizer

Martin Orland, Office of Educational Research and Improvement

Presenters

Norman L. Webb, Wisconsin Center for Education Research

Alignment Analysis of Mathematics Standards and Assessments

Joan L. Herman, Noreen Webb, Stephen Zuniga, University of California-Los Angeles

Alignment and College Admissions: The Match of Expectations, Assessments, and Educator Perspectives

William H. Schmidt, Leland Cogan, Richard Houang, Michigan State University
Curriculum Alignment: Capturing the Full Meaning of Agreement Between Standards, Textbooks, and Assessment

Edys Quellmalz, Patricia A. Kreikemeier, Center for Technology in Learning
Validities of Science Inquiry Assessments: A Study of the Alignment of Items and Tasks Drawn from Science Reference Exams with the National Science Education Standards

Eva L. Baker, University of California-Los Angeles

Integrated Alignment: The LEARNOME as a Descriptive Tool to Map Functional Relationships

Discussants

Brian Gong, National Center for the Improvement of Educational Assessment

Henry Braun, Educational Testing Service

Mardi Gras D, 3rd Floor
Marriott Hotel

Results of an International Symposium on Formative Classroom Assessment – Symposium

Organizer

Richard Stiggins, Assessment Training Institute

Presenters

Judy Arter, Assessment Training Institute

Professional development summary

Paul Black, Kings College, London

Research summary

W. James Popham, UCLA Graduate School

Policy summary

Discussants

Linda Allal, University of Geneva

Ruth Sutton, Assessment Training Institute

Bacchus
Marriott

Advances in Measurement: Improving Measurement by Using IRT and MCMC Methods – Symposium

Organizer

Gary L. Thomasson, Defense Manpower Data Center

Presenters

Iosif A. Krass, Defense Manpower Data Center;

E. Gerhard Storm, German Federal Armed Forces

Equating of non-equivalent groups with common items using the Markov Chain Monte Carlo Method

W. Alan Nicewander, Mary A. Quenette, Defense Manpower Data Center

A comparison of IRT scores for ASVAB paper-and-pencil tests

Gary L. Thomasson, Daniel O. Segall, Defense Manpower Data Center

A demonstration the advantages that accrue by the pending change in the ASVAB scoring and reporting scales

Daniel O. Segall, Defense Manpower Data Center

Confirmatory item factor analysis using Markov Chain Monte Carlo estimation

Discussants

Ronald K. Hambleton, University of Massachusetts-Amherst

Timothy C. Davey, Educational Testing Service

Mardi Gras B, 3rd Floor
Marriott Hotel

Beyond Psychometrics: Assessment in the 21st Century – Invited Symposium (Satire)

Organizer

Stephen G. Sireci, University of Massachusetts-Amherst

Moderator

Kevin P. Sweeney, Measured Progress

Presenters

Andrew Wiley, American Board of Internal Medicine

Standard setting sitting down

Luz Bay, Measured Progress

On defining a psychometrician

Hariharan Swaminathan, University of Massachusetts-Amherst

Computer-based testing: The future is now

Gilbert Andrada, Connecticut State Department of Education and University of Massachusetts-Amherst

The psychometric properties of Pearson’s product moment correlation coefficient

Discussant

Emily Litella, (Kristen Huff), Not Ready for Prime Time Players

Chorus and Musicians

Michael Jodoin, Lisa Keller, Shameem Nyla Khaliq, Mary J. Pitoniak, Stephen G. Sireci, and Mary Zanetti, University of Massachusetts-Amherst

Choreographer

Mary Sireci, North Salem, New York School District

La Galerie 4
Marriott Hotel

**Graduate Student Poster Session (Sponsored by the NCME
Graduate Student Issues Committee)**

Presenters

1. Jennifer Dunn, University of Toronto
Dimensionality of the SAIP: A comparison of 5 approaches
2. Andrew J. Poggio, The University of Iowa
Development and validation of a read-aloud methodology to support construction of questions and scales for education assessments
3. Deborah A. Weber, Texas A&M University
Reporting confidence intervals for reliability coefficients of central and noncentral distributions
4. Mary L. Zanetti, University of Massachusetts-Amherst
An investigation of DIF for a large-scale assessment: District vs state results
5. Frank G. Baugh, Texas A&M University
Generalizability theory vs. classical test theory: What every researcher should know
6. Kim Koh, University of British Columbia
Evaluating construct comparability across the English and French versions of the school achievement indicators program (SAIP)
7. Tatiana Melguizo, Stanford University
What types of institutions are doing a better job graduating minorities?
8. Tanya McCreith, University of British Columbia
Using IRT to examine the PPVT
9. Lisa A. Keller, University of Massachusetts-Amherst
A Comparison of marginal maximum likelihood and Markov Chain Monte Carlo procedures for estimating parameters
10. Gautam Puhan, Huiqin Hu, University of Alberta
Cognition or motivation: What causes performance differences in science?
11. Shameem Nyla Khaliq, Michael G. Jodoin, University of Massachusetts-Amherst
Evaluating dimensionality from a DIF perspective
12. Sharon Barnett, University of British Columbia
Understanding gender DIF
13. Andrew Jaciw, University of Toronto
Examining construct-shift using an IRT framework: Implications for parameter and ability estimates
14. Khaleel Alharbi, George Johanson, Ohio University
An empirical comparison of the person/item parameters of item response theory and classical test theory
15. April Zenisky, University of Massachusetts-Amherst
Emerging measurement practices for computer-based testing: Recent technological advances in item types, test aids, and scoring methods
16. Zuway-R Hong, Patricia McCarthy Veach, Frances Lawrenz, University of Minnesota
An investigation of self-esteem and school achievement of Taiwanese secondary students

Population Invariance of Score Linking: Theory and Applications to Advanced Placement Program Examinations – Symposium

Organizer

Wen-Ling Yang, Educational Testing Service

Moderator

Rick L. Morgan, ETS

Presenters

Paul W. Holland, ETS

Overview of population invariance of score linking

Alina A. von Davier, Paul W. Holland, Dorothy T. Thayer, ETS

Population invariance and anchor test equating methods

Krishna Tateneni, Neil J. Dorans, ETS

Invariance of linkings for free response, multiple choice and composite scores on advanced placement program examinations

Wen-Ling Yang, Neil J. Dorans, Krishna Tateneni, ETS

Sample selection effect on AP multiple-choice score to composite scaling.

Neil J. Dorans, Paul W. Holland, Dorothy T. Thayer, Krishna Tateneni, ETS

Invariance of score linking across gender groups for three AP exams

Discussants

Bert F. Green, Jr., Johns Hopkins University

Michael J. Kolen, The University of Iowa

Mardi Gras E, 3rd Floor
Marriott Hotel

Field Trials of the Student Evaluation Standards: Theoretical Frameworks, Observations, and Empirical Results – Symposium

Organizer

Donald B. Yarbrough, The University of Iowa

Moderator

Arlen R. Gullickson, Western Michigan University

Presenters

Donald B. Yarbrough, The University of Iowa

Theoretical and practical considerations in field testing and evaluating standards

Eric J. Vanden Berk, Susan L. Cheuvront, Donald B. Yarbrough, The University of Iowa

Improving the impact of the SES on classroom practices

P. J. Hallam, Center for Language and Learning;

Field testing SES at a public high school: The importance of consequential validity

Todd R. Fraenholtz, Bemidji State University

A field test of the SES from the student perspective

Susan L. Cheuvront, Eric J. Vanden Berk, Jerri Drummond, The University of Iowa

Applying indicators of use and misconceptions from the field trials to improve the SES

Discussant

Sheila Barron, The University of Iowa

St. Claude, 3rd Floor
Le Meridien Hotel

Implementation of a Sequential Testlet Design for the Uniform CPA Examination Computer-Based Test – Symposium**Organizer**

Krista Breithaupt, American Institute of Certified Public Accountants

Moderator

Gerald Melican, AICPA

Presenters

Terry Brumfield, Richard M. Luecht, University of North Carolina-Greensboro;

Krista Breithaupt, AICPA

A testlet assembly design for the uniform CPA examination

Richard Devore, AICPA

Considerations in the development of accounting simulations

Ronald K. Hambleton, Michael Jodoin, April Zenisky,

University of Massachusetts-Amherst

Impact of selected factors on the psychometric quality of credentialing examinations administered with a sequential testlet design

Stephen Stark, Oleksander Chernychenko, Fritz Drasgow,

University of Illinois-Champaign

Investigating the effects of local dependence on the accuracy of IRT ability estimation

Richard M. Luecht, University of North Carolina-Greensboro

From design to delivery: Engineering the mass production of complex performance assessments

Discussants

Bruno Zumbo, University of British Columbia

Linda Crocker, University of Florida

Thursday, April 4

8:15 – 10:15 AM

K3

Theoretical Issues in IRT: Black Holes, Multiple Imputations, and Thetas – Paper Session

Moderator

David Martin, Texas A & M University

Presenters

Anna T. Kubiak, Walter D. Way, Marc W. Julian, Dianne L. Henderson,

Wendy M. Yen, Frederic Robin, Educational Testing Service

Accuracy and stability of calibrations for mixed-item-format tests using the one-parameter and generalized partial credit models

Young-Sun Lee, University of Wisconsin-Madison;

Jeff Douglas, University of Illinois-Urbana-Champaign

An application of isotonic regression in item response theory

Frederic Robin, ETS

An investigation of the relationships between test response pattern, measurement, and person-fit

Clement Stone, Bo Zhang, University of Pittsburgh

Comparing three new approaches for assessing goodness-of-fit of IRT models

Christina vanBarneveld, OISE-University of Toronto

The effect of aberrant response behaviors on item parameter estimation for a 3PL IRT model

Lihua Yao, Richard Patz, CTB/McGraw-Hill

More efficient Markov Chain Monte Carlo estimation in IRT using marginal posteriors

Discussants

Terry Ackerman, University of North Carolina-Greensboro

Delwyn L. Harnisch, University of Nebraska-Lincoln

Suite 801, 8th Floor
Le Meridien Hotel

Thursday, April 4

10:35 – 12:05 PM

L1

The Measurement Mystique: A Review of the Contributions of Sylvia T. Johnson to the Measurement Community – Career Award Address

Organizer

Gerunda Hughes, Howard University

France II, 3rd Floor
Le Meridien Hotel

Thursday, April 4 10:35 – 12:05 PM L2

Multiple Perspectives on Multiple Measures – Symposium

Organizer

Wendy M. Yen, Educational Testing Service K-12 works

Presenters

Dianne Henderson, Marc Julian, Wendy M. Yen, ETS K-12 works

Multiple measures: examination of alternative design and analysis models

Eva Baker, UCLA-CRESST

Multiple measures: Tiered accountability systems

Daniel Koretz, Harvard University

Using multiple measures to address perverse incentives and score inflation

William D. Schafer, University of Maryland

Multiple measures from a state perspective

Mitchell D. Chester, Ohio Department of Education

Fourth grade promotion decisions in Philadelphia: Face, construct, consequential, and predictive validity of multiple measures

Discussant

Wayne Martin, CCSSO

Thursday, April 4 10:35 – 12:05 PM L3

Assessing Multi-Dimensionality: Measure Twice; Cut Once – Paper Session

Moderator

Liru Zhang, Delaware Dept. of Education

Presenters

Michael S. Finger, Jennifer Sweeton, University of Kansas

Item factor loading estimation for dichotomous items via a new method for phi correlation factor analysis

Jong-Pil Kim, ACT, Inc.;

Mark D. Reckase, Michigan State University

Detecting the number of dimensions and number of clusters in multidimensional item response theory (MIRT)

James S. Roberts, Karen M. Samuelsen, University of Maryland

Analyzing the structure of binary test responses using an optimal scaling approach

Richard B. Sullivan, Stephen B. Dunbar, The University of Iowa

Dimensionality analyses of developmental level in a mathematics achievement test

Discussant

Ratna Nandakumar, University of Delaware

Thursday, April 4

12:25 – 1:55 PM

M1

Interpreting the Results of Three Different Standard Setting Procedures – Symposium

Organizer/Moderator

Donald Ross Green, CTB/McGraw-Hill

Presenters

Donald Ross Green, Daniel M. Lewis, Hillary Michaels,
CTB/McGraw-Hill

Standard setting: A bookmark approach

Craig Mills, American Institute of Certified Public Accountants;
Hillary Michaels, CTB/McGraw-Hill

The integrated holistic judgment procedure

John P. Poggio, University of Kansas

Guiding standard setting via the contrasting groups methodology

Discussants

Gregory J. Cizek, University of North Carolina-Chapel Hill

Scott Trimble, Kentucky State Department of Education

France II, 3rd Floor
Le Meridien Hotel

Thursday, April 4

12:25 – 1:55 PM

M2

Accommodate! Validate, Too! – Paper Session

Moderator

Mary J. Pitoniak, University of Massachusetts-Amherst

Presenters

Karen Barton, CTB/McGraw-Hill

*A standard versus orally accommodated reading assessment for students
with and without disabilities: An investigation of construct stability*

Sara E. Bolt, John Bielinski, University of Minnesota

Effects of read aloud accommodation on math test items

Claudia Flowers, Diane Browder, Meagan Karvonen, Fred Spooner,

Robert Algozzine, University of North Carolina-Charlotte

Curricular implications of alternate assessment for students with disabilities

Huynh Huynh, J. Patrick Meyer, Dorinda Gallant, University of South Carolina-
Columbia

*On comparability of scores of accommodated and non-accommodated testings
for a high school exit examination of mathematics*

Discussants

John Fremer, Educational Testing Service

Amy Schmidt, The College Board

Suite 801, 8th Floor
Le Meridien Hotel

Taking Tests on Computers: What Were They Doing? – Paper Session

Moderator

Elena Papanastasiou, University of Kansas

Presenters

Seung W. Choi, Tom Tinkler, Oregon Department of Education

Evaluating comparability of paper-and-pencil and computer-based assessment in a K-12 setting

Mary Pommerich, Defense Manpower Data Center

What examinees do when taking a computerized test and how those actions affect test performance

Robert L. Smith, Charles Lewis, Educational Testing Service

A comparison of computer mastery testing models when pool characteristics vary

Dehui Xing, Ministry of Education, SAPE, ESSD;

Ronald K. Hambleton, University of Massachusetts-Amherst

Impact of item quality and item bank size on the psychometric properties of computer-based credentialing exams

Discussants

Stephen Dunbar, The University of Iowa

Ruth Childs, OISE/University of Toronto

Reporting More Than Scores: Skills-Based Scoring of a National Test – Symposium

Organizer

Kristen L. Huff, Educational Testing Service

Moderator

Patricia A. Baron, ETS

Presenters

Louis DiBello, C. Crone, ETS

Skill-based scoring models for the PSAT/NMSQT™

Thomas Van Essen, C. Jackson, ETS

Developing instructional suggestions to accompany descriptions of skill deficiencies

Glenn B. Milewski, Fordham University; P. Baron, ETS

Extending DIF methods to inform aggregate reports on cognitive skills

Kristen L. Huff, ETS; V. Laitusis, M. Ewing, Fordham University

Using skill data to assess student improvement and construct equivalence

Discussants

Jacqueline P. Leighton, University of Alberta

Stephen G. Sireci, University of Massachusetts-Amherst

Thursday, April 4

2:15 – 3:45 PM

N1

Obtaining Validity Evidence Through the Use of Cognitive Laboratories: Three Unique Approaches – Symposium

Organizer

Diane R. Garavaglia, American Institutes for Research

Moderator

Roger Levine, American Institutes for Research

Presenters

Christine Paulsen, American Institutes for Research

Using cognitive laboratory methods in the development of conversational Spanish assessment tasks

Kristine Burnaska, APT Associates

Understanding adult processing skills through the use of cognitive laboratories

Diane Garavaglia, American Institutes for Research

Using a cognitive laboratory method to assess cognitive processing and validity of algebra items

Discussant

Roger Levine, American Institutes for Research

France II, 3rd Floor
Le Meridien Hotel

Thursday, April 4

2:15 – 3:45 PM

N2

Equate, Equate and Equate Again! – Paper Session

Moderator

Ethan A. Arenson, CTB/McGraw-Hill

Presenters

Sara J. Clough, The University of Iowa

Equating science subtests using dichotomous IRT, polytomous IRT and traditional equipercentile methods

Liling Hou, Robert C. Sykes, CTB/McGraw-Hill;

Paul M. La Marca, Thomas W. Klein, Nevada Department of Education

An evaluation of the effect of pre-equating vs post-equating on item parameters and scoring

Yuming Liu, Riverside Publishing;

E. Matthew Schulz, ACT Inc.

An investigation of MCMC method for the estimation of standard error of IRT true and observed score equating

Robert C. Sykes, Bradley A. Hanson, Kyoko Ito, Liling Hou,

CTB/McGraw-Hill

Multidimensionality and the equating of a mixed-format math examination

Discussant

Deborah Harris, ACT, Inc.

St. Claude, 3rd Floor
Le Meridien Hotel

Thursday, April 4 2:15 – 3:45 PM N3

NCME Recruitment Meeting of the Minority Issues and Testing Committee

Organizer

Concepción M. Valadez, University of California-Los Angeles

Presenters

María Pennock-Román, Pennsylvania State University

Gwyneth Boodoo, Educational Testing Service

Aaron Douglas, Pennsylvania State University

Carl A. Lager, University of California-Los Angeles

Thursday, April 4 2:15 – 3:45 PM N4

**Scoring Essays and Building Reading Tests Using Computers:
What's Inside That Box? – Paper Session**

Moderator

Duncan MacQuarrie, Tacoma Public Schools

Presenters

Yong-Won Lee, Hunter Breland, Educational Testing Service

Comparability of TOEFL CBT essay prompts for different native language groups

P. Adam Kelly, Baylor College of Medicine/Houston VA Medical Center

Further evaluation of automated essay score validity

Lawrence M. Rudner, ERIC Clearinghouse

Automated essay scoring using Bayes' Theorem

Tony D. Thompson, ACT, Inc.

Employing new ideas in CAT to a simulated reading test

Discussants

Alan Nicewander, Department of Defense Center

Richard M. Luecht, University of North Carolina-Greensboro

Reliability Issues Redux: Try It, Try It, You’ll Like It! – Paper Session

Moderator

Howard Everson, The College Board

Presenters

Robert L. Brennan, Ping Yin, The University of Iowa;

Michael T. Kane, National Council of Bar Examiners

On the reliability of group mean change scores

Han-wei Chen, James A. Scoring, ACT, Inc.

Estimating test-retest reliability using repeater data

Ruth A. Childs, Susan Elgie, Tahany Gadalla, Ross Traub, University of Toronto

Impact of weighting by item type on scores and score precision: An investigation of a large-scale testing program requiring explicit weighting

Brian E. Clauser, Melissa J. Margolis, National Board of Medical Examiners

A multivariate generalizability analysis of a test comprised of constructed-response and fixed-format items

Yuan H. Li, Prince Georges County Public Schools;

William D. Schafer, University of Maryland at College Park

Accuracy of the generalizability-model standard errors for the percents of examinees reaching standards

Discussants

Bradley A. Hanson, CTB/McGraw-Hill

Michael Kolen, The University of Iowa

St. Claude, 3rd Floor
Le Meridien Hotel

Thursday, April 4

4:05 – 6:05 PM

O2

A Potpourri of Assessment Issues – Paper Session

Moderator

Janet Baldwin, Education Statistics Services Institute

Presenters

Mark R. Raymond, American Registry of Radiologic Technologists

Analyzing routine and troublesome standard-setting data with the general linear model

Susan M. Brookhart, Janet M. Walsh, Wayne A. Zientarski,
Duquesne University

Motivation and effort in middle school science and social studies tests and performance assessments

John Crawford, Patrick M. Irwin, Millard Public Schools-University of Nebraska

Sources of variation in analytical writing assessment data: Scoring by commercial companies

Deborah J. Harris, Xiahong Gao, Catherine J. Welch, ACT, Inc.

An analysis of NCME annual meeting proposal reviewer ratings

Saba M. Rizavi, Kathleen O'Neil, Educational Testing Service

Performance of examinee groups on a measure of analytical writing

Stanley N. Rabinowitz, Srijati Ananda, WestEd

The negative correlation of high-stakes assessment and innovation

Discussants

Jon Twing, NCS/Pearson

Cyndie Schmeiser, ACT, Inc.

Thursday, April 4

4:15 – 7:00 PM

NCME Board of Directors Meeting

Members are invited to attend as observers.

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Program Summary

<i>Session</i>
<i>Time</i> <i>Number</i> <i>Location</i> <i>Session Title</i>

Monday, April 1st Afternoon Session

4:15		Sheraton, Bayside A	NCME Board of Directors Meeting
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Tuesday, April 2nd Morning Sessions

8:15	A1	Sheraton, Bayside C	Automated item generation: Psychometrics to support an emerging technology
	A2	Sheraton, Pontchartrain B	National hearing on the student evaluation standards
	A3	Sheraton, Grand Ballroom B	Challenges in reporting the performance of ELLs in state assessments
	A4	Sheraton, Oakley	Test adaptation research: Methodological advances and results
10:35	B1	Sheraton, Grand Ballroom B	Cognition and assessment: Building tests so we know what students know
	B2	Sheraton, Bayside	Standard setting from an IRT point of view: New methods and perspectives
	B3	Sheraton, Oakley	Computer-based testing: Where's the IRT?
	B4	Sheraton Rhythms I	What will be the effects on assessment and accountability in local school districts of the "No Child Left Behind Legislation?"

Tuesday, April 2nd Afternoon Sessions

12:25	C1	Sheraton, Oakley	Using multi-dimensional IRT wisely: Just how many sides does this test have?
	C2	Sheraton, Bayside C	NAEP
	C3	Sheraton, Grand Ballroom B	Comparing three models for analyzing the alignment of assessments to standards and curriculum: Discussion of quality of the measures
2:15	D1	Sheraton, Grand Ballroom B	Measuring the impact of professional development programs in math and science education for English language learners and ethnically diverse students

<i>Session Time</i>	<i>Number</i>	<i>Location</i>	<i>Session Title</i>
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Tuesday, April 2nd Afternoon Sessions (continued)

	D2	Sheraton, Bayside C	Issues in vertical scaling
	D3	Sheraton, Oakley	New approaches for identifying and interpreting differential bundle functioning
4:05	E1	Sheraton, Oakley	IRT: A theory of everything
	E2	Sheraton, Bayside C	Raising the bar: Methods of standard setting
	E3	Sheraton, Grand Ballroom B	Designing the perfect large-scale assessment
6:15		Sheraton, Grand Ballroom	No-Host Cocktail Party and Reception

Wednesday, April 3rd Morning Sessions

5:50		Marriott, Lobby	NCME Fitness Run/Walk
8:00	F1	Marriott, La Galerie 4	NCME Business Meeting and Presidential Address Some Common Misconceptions about Tests and Testing
10:35	G1	Marriott, Iberville	Borderline survey standard setting method
	G2	Marriott, Mardi Gras B	Here, try this! Selecting items for computer- based tests
	G3	Marriott, Mardi Gras E	Excellence in classroom assessment training in teacher education

Wednesday, April 3rd Afternoon Sessions

12:25	H1	Marriott, La Galeria	The Bush accountability and assessment agenda: New opportunities and challenges
	H2	Marriott, Mardi Gras B	To DIF or not to DIF? That is the question
	H3	Marriott, Iberville	If you scale, they will come and other scaling stories
	H4	Marriott, Mardi Gras E	A look at the current state of linking large-scale assessments

Wednesday, April 3rd Afternoon Sessions (continued)

2:15	I1	Marriott, Iberville	All things being equal: Equating with IRT
	I2	Marriott, Mardi Gras B	Research in support of the development of new TOEFL
	I3	Marriott, Studio 7	Validity issue in testing: How you doin'? How are you doing? How ya doin'?
	I4	Marriott, Mardi Gras E	Appraising a project designed to stimulate construction of instructionally supportive accountability tests
	I5	Marriott Mardi Gras D	The alignment of standards and assessment: Building better methodologies
	I6	Marriott Bacchus	Results of an international symposium on formative classroom assessment
4:05	J1	Marriott, Mardi Gras B	Advances in measurement: Improving measurement by using IRT and MCMC methods
	J2	Marriott, La Gallerie 4	Beyond psychometrics: Assessments in the 21st century (satire)
	J3	Sheraton, Pontchartrain C	Graduate Student Poster Session
	J4	Marriott Mardi Gras E	Population invariance of score linking: Theory and applications to advanced placement program examination

Thursday, April 4th Morning Sessions

8:15	K1	Le Meridien, St. Claude	Field trials of the student evaluation standards: Theoretical frameworks, observations, and empirical results
	K2	Le Meridien, France II	Implementation of a sequential testlet design for the uniform CPA examination computer-based test
	K3	Le Meridien, Suite 801	Theoretical issues in IRT: Black holes, multiple imputations, and thetas
10:35	L1	Le Meridien, France II	The measurement mystique: A review of the contributions of Sylvia T. Johnson to the measurement community

<i>Session Time</i>	<i>Number</i>	<i>Location</i>	<i>Session Title</i>
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Thursday, April 4th Morning Sessions (continued)			
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10:35	L2	Le Meridien, Suite 801	Multiple perspectives on multiple measures
	L3	Le Meridien, St. Claude	Assessing multi-dimensionality: Measure twice; cut once

Thursday, April 4th Afternoon Sessions			
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12:25	M1	Le Meridien, France II	Interpreting the results of three different standard setting procedures
	M2	Le Meridien, Suite 801	Accommodate! Validate, too!
	M3	Le Meridien, St. Claude	Taking tests on computers: What were they doing?
	M4	Marriott, Mardi Gras A	Reporting more than scores: Skills-based scoring of a national test
2:15	N1	Le Meridien, France II	Obtaining validity evidence through the use of cognitive laboratories: Three unique approaches
	N2	Le Meridien, St. Claude	Equate, equate and equate again!
	N3	Le Meridien, Suite 801	NCME recruitment meeting of the minority issues and testing committee
	N4	Marriott, Balcony J	Scoring essays and building reading tests using computers: What's inside that box?
4:05	O1	Le Meridien, St. Claude	Reliability issues redux: Try it, try it, you'll like it!
	O2	Le Meridien, Suite 801	A potpourri of assessment issues
4:15			NCME Board of Directors Meeting

Of special interest to graduate students:

E3 Designing the perfect large-scale assessment (Tuesday, 4:05)

J3 Graduate Student Poster Session (Wednesday, 4:05)