

NCEMIE

national
council on
measurement
in education



**Annual
Meeting
Program**

**April 11–13 2001
Seattle, WA**

NCEMIE

PROGRAM PROGRAM PROGRAM PROGRAM PROGRAM
2001 ANNUAL MEETING

**NATIONAL COUNCIL ON
MEASUREMENT IN EDUCATION**

**Sheraton Seattle Hotel and Towers
Washington State Convention & Trade Center
Seattle, WA**

April 11–13

Future Meetings

2002	New Orleans	April	2–4
2003	Chicago	April	22–24
2004	San Diego	April	13–15
2005	Montreal	April	12–14

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<i>Journal of Educational Measurement</i>	Daniel R. Eignor <i>Educational Testing Service</i>
<i>Educational Measurement: Issues and Practice</i>	Geri Benson <i>University of Pittsburgh</i>
<i>NCME Newsletter</i>	Douglas F. Becker <i>Riverside Publishing Company</i>
<i>ITEMS</i>	Michael J. Zieky <i>Educational Testing Service</i>
<i>Website Editor</i>	Delwyn L. Harnish <i>University of Nebraska—Lincoln</i>

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<i>Administrative Support</i>	Carrie Dirks Avis Hudson <i>The College Board</i>
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NCME Annual Meeting Training Sessions
Seattle, WA, April 10–13

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, 2001. Any tickets available at the conference will be sold on a first-come, first-served basis at the registration area in the Sheraton Seattle Hotel and Towers.

PROGRAM PROGRAM PROGRAM PROGRAM PROGRAM

Tuesday April 10

8:30 a.m. – 4:00 p.m.

AA. Computerized Testing—Theory and Practice

Presenters: Cynthia G. Parshall, University of South Florida; Timothy C. Davey, Educational Testing Service; Judith Spray, John Kalohn, ACT, Inc.

Fee: \$95

This session will include a broad overview of the field of computerized assessment, an introduction to item response theory (IRT) and how it is used in computerized adaptive testing (CAT), and a practical example of the steps involved in implementing a CAT program. The overview of computerized testing will address a variety of considerations, including the effect of examinees' prior computer experience, appropriate means for estimating reliability and validity in computerized assessment and current research topics such as exposure control and item review. Several demonstrations of computerized testing programs will be provided. Basic IRT topics that will be addressed include item response models, calibration and ability estimation. Specific aspects of IRT for CAT such as item selection algorithms, methods for balancing content levels, and choices of stopping rules will also be covered. Finally, material will be presented demonstrating methods to prepare and evaluate an item bank for a computerized classification test (CCT) using Wald's Sequential Probability Ratios Test (SPRT). The principles presented in this application will be generalizable to other models for computerized testing. Participants will receive a booklet of reference materials related to standards for the use of computerized tests and other topics presented in the training session.

Friday, April 13

2:15 – 6:15 p.m.

BB. Finishing Up and Finding a Job: Practical Suggestions for Graduate Students in Measurement (co-sponsored with AERA)

Directors: Deborah J. Harris, Dara Martinovich-Barhite, ACT, Inc.

Fee: \$15

This course addresses practical topics of concern to graduate students in measurement who have questions in areas such as: where jobs are available (e.g., school districts, state departments); what types of things employers look for in application materials; what types of questions might be asked of an interviewee; what types of questions should an interviewee ask; what are possible dissertation topics; should I finish before I leave school; etc. The format of the training session will be a combination of lecture/discussion. The goal is to discuss concerns and provide resources, guidance, and reassurance for graduate students in job hunting situations. Materials will be included from a variety of resources and speakers will cover a variety of situations.

Tuesday, April 10

2:15 – 6:15 p.m.

CC. MCMC Item Calibration: A Primer

Presenter: Douglas H. Jones, Rutgers University

Fee: \$40

This session will focus on the use of MCMC. Markov Chain Monte Carlo (MCMC) is a popular computer algorithm for performing Bayesian statistical analysis. As is well known, many important statistical data analysis problems result in analytically intractable posterior distributions. MCMC is a way to obtain samples from the target posterior to estimate its parameters and other features, a basic idea of Monte Carlo simulation. MCMC hasn't been around too long, but it has already found many applications in all kinds of data analysis problems, and has thus advanced the application of Bayesian statistics significantly. This material will be reviewed in a series of two presentations geared to those who have very little experience in Bayesian statistics or simulation. In both presentations, Crystal Ball, an Excel add-in, will be demonstrated and used to implement random sampling from the posterior.

Tuesday, April 10

8:15 a.m. – 12:15 p.m.

DD. Automated Procedure for Item Selection and Test Construction Using IRT Information

Presenters: Eduardo C. Cascallar, Alicia P. Schmitt Cascallar, Leslie A. Bliss, Ruth M. Olmsted, Rene C. Grosser, Excelsior College

Fee: \$40

The session will present and demonstrate an automated solution to practical problems in the test development process when assembling tests using Item Response Theory information functions. This particular procedure allows information to be efficiently organized, so that the test development process is facilitated. Specifically, an application incorporating spreadsheets and pivot tables was developed to incorporate IRT information into the test assembly process. The spreadsheets assist the process by rank ordering items based on different criteria established *a priori*. Thus the selection of items is automated, replacing the more cumbersome conventional methods that are often time consuming and less efficient. In addition, pivot tables offering user interactivity provide simultaneous summary information that guides in the selection of items. The workshop structure will include a theoretical presentation, followed by a description of the automated item selection process and a demonstration of the application including an interactive audience participation component, and conclude with issues addressed during an actual test assembly process. A bound manual containing material on theoretical concepts and examples of automated tables describing the process to follow, including the procedural steps recommended in the test assembly process, will be provided to each participant.

Tuesday, April 10

9:00 a.m. – 5:00 p.m.

EE. Reliability Theory and Applications

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

Fee: \$95

The primary goals of this training session are to enable participants to understand the basic principles of 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. 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 a computer program called GENOVA for performing generalizability analyses.

Thursday, April 12

2:15 – 6:15 p.m.

FF. Reliability Generalization: A Meta-Analytic Method to Characterize Variations in the Reliability of a Measure's Scores Across Administrations (co-sponsored with AERA)

Director: Bruce Thompson, Texas A&M University; Tammi Vache-Haase, Colorado State University

Fee: \$15

This course presents a user-friendly introduction to the basic concepts of a new measurement meta-analytic method: reliability generalization. The session presumes no specialized background except basic familiarity with common ANOVA.

Tuesday, April 10 • Friday, April 13

4:15 – 7:15 p.m.

NCME Board of Directors Meetings

Members are invited to attend as observers.

Meeting Locations:

Tuesday, April 10: Aspen, 2nd Floor, Sheraton Towers

Friday, April 13: Board Room, 4th Floor, Sheraton Towers

Major addresses 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 located in the Sheraton Towers.

NCME Annual Meeting Attendees Please Note:

Due to the allocation of available meeting space, there will be instances when the start and end times of program sessions will overlap slightly. As you plan your meeting schedule, be sure to check the starting and ending times of each session.

Wednesday, April 11

8:15 – 9:45 a.m.

A1 Model Fit and the Factors That Effect It—Paper Session

Moderator: Andrea J. Gotzmann, University of Alberta

Presenters: Brenda Siok–Hoon Tay–Lim, Ming–mei Wang, John Mazzeo, Educational Testing Service
The effects of contexts on item performance in the NAEP market basket forms

David B. Swanson, Brian E. Clauser, Susan M. Case, Hua–Hua Chang, Ronald J. Nungester, National Board of Medical Examiners
Analysis of differential item functioning (DIF) using hierarchical logistic regression models

Amy G. Froelich, Iowa State University; Brian Habing, University of South Carolina
Refinements of the DIM test methodology for testing unidimensionality and local independence

Nambury S. Raju, Illinois Institute of Technology; T.C. Oshina, Georgia State University; Claudia P. Flowers, University of North Carolina at Charlotte
The use of computer-generated thetas in differential item functioning research

Discussant: Lori D. McLeod, Research Triangle Institute

Wednesday, April 11

8:15 – 9:45 a.m.

A2 Psychometric Issues Concerning the Assessment of English Language Learners: A Closer Look at National Data—Symposium

Organizer: Jamal Abedi, CRESST/UCLA

Moderator: Pauline Brooks, The California Endowment

Presenters: Seth Leon, CRESST/UCLA
Language fluency classification issues
James Mirocha, CRESST/UCLA
Reliability issues in using standardized achievement tests with English language learners
Jamal Abedi, CRESST/UCLA
Validity of standardized achievement tests for English language learners

Discussant: Pauline Brooks, The California Endowment

Wednesday, April 11

8:15 – 10:15 a.m.

Room 611, 6th Floor (access through 4th) Convention Center

A3 Administering and Scoring Adaptive Tests—Paper Session

Moderator: Francis A. Mendez, Rutgers University

Presenters: Chi–Keung Leung, Hong Kong Institute of Education; Hua–Hua Chang, National Board of Medical Examiners; Kit–Tai Hau, The Chinese University of Hong Kong
Integrating stratification and information approaches for multiple constrained CAT

Cynthia G. Parshall, Jeffrey D. Kromrey, J. Christine Harmes, Christina Sentovich, University of South Florida
Nearest neighbors, simple strata, and probabilistic parameters: An empirical comparison of methods for item exposure control in CATS

Dehui Xing, British Columbia Ministry of Education; Ronald K. Hambleton, University of Massachusetts Amherst
Impact of several computer–based testing variables on the psychometric properties of credentialing exams

Fumiko Samejima, University of Tennessee
Efficient on–line item calibration using a nonparametric method adjusted to computerized adaptive testing

Fen–Lan Tseng, Tse–Chi Hsu, University of Pittsburgh
Multidimensional adaptive testing using weighted likelihood estimation

Discussants: Timothy C. Davey, Educational Testing Service

Daniel O. Segall, Defense Manpower Data Center

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

Wednesday, April 11

10:00 – 11:30 a.m.

Room 307, 3rd Floor Convention Center

B1 Meet the Press—Invited Interactive Panel Discussion

Organizer/

Moderator: Gene Maeroff, Columbia University Teachers College

Presenters: Matthew Franck, *St. Louis Post–Dispatch*

Martha Groves, *Los Angeles Times*

Eric Hubler, *Denver Post*

Mike Jackson, *Dallas Morning News*

During this interactive session, NCME members will have an opportunity to meet members of the press who write about educational measurement issues. The reporters will discuss their concerns over reporting accurately on highly technical matters and ask for advice from members from our profession, while NCME members will have an opportunity to learn more about how we can help journalists report on our field accurately. See www.ncme.org for more information. This session is made possible through the sponsorship of the Hechinger Institute on Education.

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

Wednesday, April 11**10:00 – 11:30 a.m.****B2 Accommodation Issues in the Assessment of SD/LEP Students: A Summary of Selected Current Research—Symposium****Organizer:** Jamal Abedi, CRESST/UCLA**Moderator:** Wayne Martin, CCSSO**Presenters:** Martha Thurlow, National Center for Educational Outcomes
*Use of accommodations in state assessment: What data bases tell us about differential levels of use and how to document use of accommodations*John Beilinski, National Center for Educational Outcomes
*Evaluating the effects of testing accommodations on constructed response math and reading items*Jamal Abedi, CRESST/UCLA
*Validity considerations in the assessment of LEP students using standardized achievement tests***Discussant:** Wayne J. Camara, The College Board**Wednesday, April 11****10:00 – 11:30 a.m.****B3 Examining Inferences About Science Inquiry Assessments: A New Look at NAEP, TIMSS, and New Standards—Symposium****Organizer:** Joseph A. Jones, SRI International**Moderator:** Patrick Gonzales, Office of Educational Research & Improvement**Presenters:** Michael Trevisan, Washington State University; Angela Haydel, Stanford University; Patty Kreikmeier, SRI International
*The relationship between NSES standards and benchmark science reference examinations*Geneva Haertel, Joseph A. Jones, Peter Ryan, SRI International; Michael Trevisan, Washington State University
*Factor structures of science inquire assessments*Joseph A. Jones, Peter Ryan, SRI International
*NAEP and TIMSS science item characteristics in relation to cut-scores***Discussants:** Eugene Gonzalez, Boston College
Nambury S. Raju, Illinois Institute of Technology

Wednesday, April 11

10:35 a.m. – 12:05 p.m.

C1 Psychometric Challenges to State Assessments—Coordinated Paper Session

Organizer/

Moderator: Luz G. Bay, Measured Progress

Presenters: Daniel M. Lewis, CTB/McGraw–Hill
Standard–setting challenges to state assessments

Kevin P. Sweeney, Michael L. Nering, Luz G. Bay, Kevin C. Meara, Measured Progress

Test equating challenges to state assessments

Michael L. Nering, Luz G. Bay, Measured Progress

Challenges to providing valid test scores in state assessments

Discussants: Michael J. Kolen, University of Iowa

Mark D. Reckase, Michigan State University

Wednesday, April 11

11:45 a.m. – 1:15 p.m.

D1 New Work on the Evaluation of High-Stakes Testing Programs—Symposium

Organizer/

Moderator: Daniel Koretz, RAND/CRESST

Presenters: Daniel Koretz, RAND/CRESST
Toward a framework for evaluating gains on high–stakes tests

Haggai Kupermintz, Lorrie Shepard, Robert Linn, University of Colorado

Teacher effects as a measure of teacher effectiveness: Construct validity considerations in TVAAS (Tennessee Value Added Assessment System)

Laura Hamilton, Stephen Klein, Daniel McCaffrey, RAND

Exploring claims about student achievement using statewide tests

Brian Stecher, Jeremy Arkes, RAND

Rewarding schools based on gains: It's all in how you throw the dice

Discussants: Edward Haertel, Stanford University

Brian Gong, National Center for the Improvement of Educational Assessment, Inc.

Room 611, 4th Floor Convention Center

Room 307, 3rd Floor Convention Center

Wednesday, April 11**11:45 a.m. – 1:15 p.m.****D2 Setting and Evaluating Classification Standards—Paper Session****Moderator:** Carla Baker Deniz, George Mason University**Presenters:** Clement A. Stone, Alexander Weissnam, Suzanne Lane, University of Pittsburgh
*Consistency of student proficiency classifications under competing IRT models for a state assessment program*Robin Guille, Andrew Wiley, American Board of Internal Medicine; John J. Norcini, Institute for Clinical Evaluation
The occasion effect in standard setting

Ning Wang, Randall F. Wiser, Larry S. Newman, Assessment Systems, Inc.

An evaluation of standard setting using a Rasch-based IRT model

E. Matthew Schulz, Lin Wang, ACT, Inc.

*The effect of deleting test items on the accuracy of pass/fail decisions based on number correct scoring***Discussant:** Jerry Melican, American Institute of Certified Public Accountants**Wednesday, April 11****12:25 – 1:55 p.m.****E1 Fitting and Evaluating IRT Models—Paper Session****Moderator:** Charles Ochieng Owuor, University of British Columbia**Presenters:** Jimmy de la Torre, University of Illinois at Urbana–Champaign; Richard J. Patz, CTB/McGraw Hill
*A unified approach to item response theory calibration and equating using informative prior distributions*John R. Donoghue, Catherine M. Hombo, Educational Testing Service
*The effect of item parameter estimation on the distribution of an IRT measure of item fit*Douglas H. Jones, Mikhail Nediak, Rutgers University
*Item parameter calibration of LSAT items using MCMC approximations of Bayes posterior distributions*Ping Yin, University of Iowa; Xitao Fan, University of Virginia
*A simulation study of the effects of model–data misfit: Assessing the robustness of IRT parameter estimates***Discussant:** Wim J. van der Linden, University of Twente

Wednesday, April 11

1:30 – 2:45 p.m.

F1 Predicting Success in College: New Findings on Some Old Concerns—Coordinated Paper Session

Organizers: Deniz S. Ones, University of Minnesota; Wayne J. Camara, The College Board

Moderator: Deniz S. Ones, University of Minnesota

Presenters: Sarah A. Hezlett, Nathan Kuncel, Meredith Vey, Allison Ahart, Deniz S. Ones, John P. Campbell, University of Minnesota; Wayne J. Camara, The College Board

The effectiveness of the SAT in predicting success early and late in college: A comprehensive meta-analysis

Wayne J. Camara, The College Board

Effects of coaching on the SAT

Thanos Patelis, The College Board

The increased demands placed on achievement tests

Deniz S. Ones, Sarah A. Hezlett, Nathan Kuncel, Meredith Vey, Allison Ahart, John P. Campbell, University of Minnesota; Wayne J. Camara, The College Board

The predictive validity of academic performance in high school

Nathan R. Kuncel, Sarah A. Hezlett, John P. Campbell, Deniz S. Ones, University of Minnesota

The construct validity of grade point averages: Implication for admissions and research

Discussant: John W. Young, Rutgers University

Wednesday, April 11

1:30 – 2:45 p.m.

F2 Standard Setting by the Bookmark Method—Paper Session

Moderator: Theresa R. Alban, University of Maryland, College Park

Presenters: Chad W. Buckendahl, Barbara S. Plake, James C. Impara, University of Nebraska—Lincoln; Russell W. Smith, Galton Technologies

A comparison of Angoff and Bookmark standard setting methods

Guemin Lee, Daniel M. Lewis, CTB/McGraw-Hill

A generalizability theory approach toward estimating standard errors for Bookmark standard settings

William A. Lorić, Stanford University

Using canonical pseudo-responses to resolve mastery probability indeterminacy in Bookmark standard-setting procedures

Gary Skaggs, Virginia Polytechnic Institute & State University; Aster Tessema, GED Testing Service

Item disorderliness with the Bookmark standard setting procedure

Discussant: Samuel A. Livingston, Educational Testing Service

Wednesday, April 11**2:15 – 3:45 p.m.****G1 Enhanced Score Reporting on a National Standardized Test—
Symposium****Organizer:** Anita M. O'Brien, Educational Testing Service**Moderator:** Amy Elizabeth Schmidt, The College Board

Presenters: Tom Van Essen, Educational Testing Service
Validity and usefulness of enhanced score information

Lou DiBello, Educational Testing Service
Psychometric and measurement issues

Carolyn C. Crone, Educational Testing Service
Statistical issues, including reliability of enhanced score information

Discussants: David F. Lohman, University of Iowa

Mark J. Gierl, University of Alberta

Wednesday, April 11**3:00 – 4:45 p.m.****H1 Statistical Research in Computerized Adaptive Testing—
Coordinated Paper Session****Organizer:** Wim J. van der Linden, University of Twente**Moderator:** Rob R. Meijer, University of Twente

Presenters: Wim J. van der Linden, Edith M.L.A. van Krimpen–Stoop,
 University of Twente
*Using response times to detect aberrant response behavior in
 computerized adaptive testing*

Cees A. W. Glas, Wim J. van der Linden, University of Twente
Modeling variability in item parameters in CAT

Hans J. Vos, Cees A. W. Glas, University of Twente
Multidimensional IRT based adaptive sequential mastery testing

Rob R. Meijer, University of Twente
Methods to test invariant ability across subgroups of items in CAT

Discussant: David Thissen, University of North Carolina at Chapel Hill

Wednesday, April 11

3:00 – 4:30 p.m.

**H2 Measuring the Literacy Skills of America's Adults:
What is Really Being Measured by National Assessments? —
Symposium**

Organizer: Mark Kutner, American Institutes for Research

Moderator: Terry Salinger, American Institutes for Research

Presenters: Sheida White, National Center for Education Statistics
An overview of the Kirsch–Mosenthal framework

Mark Kutner, American Institutes for Research
Issues concerning the Kirsh–Mosenthal framework

Andrew Kolstad, National Center for Education Statistics; Jon
Cohen, American Institutes for Research
An alternative method of reporting adult literacy skills

Terry Salinger, American Institutes for Research
Plans for enhancing the Kirsh–Mosenthal framework

Discussant: Henry Braun, Educational Testing Service

Wednesday, April 11

4:05 – 6:05 p.m.

**I1 From the Printing Press to the World Wide Web: Implications
for Knowledge Acquisition and Assessment Graduate Student
Issues Committee—Invited Symposium**

Organizer/

Moderator: Lora Monfils, Rutgers University

Presenters: Andrew S. Latham, Teacher Universe
*Tempered enthusiasm: The promise and pitfalls of on-line education
and assessment*

Richard M. Luecht, University of North Carolina at Greensboro
Challenges of web-based assessment

Valerie Ruhe, Bruno D. Zumbo, University of British Columbia
*Assessment in the 21st century: Issues in the validation of
assessments in technology-based distance/distributed learning*

Mary E. Yakimowski–Srebnick, Hampton (VA) Public Schools and
VA Tech
*Assessment in the new millennium: New directions from the school
district perspective*

Discussant: Jeffrey K. Smith, Rutgers University

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

Room 309, 3rd Floor Convention Center

Room 611, 6th Floor (access through 4th) Convention Center

Wednesday, April 11**4:45 – 6:15 p.m.****J1 Cognitive Considerations in Test Development—Paper Session****Moderator:** Tom Van Essen, Educational Testing Service

Presenters: Malcolm I. Bauer, Educational Testing Service; Robert J. Mislevy, University of Maryland/Educational Testing Service; John T. Behrens, Cisco Systems
How to create complex measurement models: A case study of principled assessment design

Pamela L. Paek, University of California, Berkeley
Modeling mathematical problem solving strategies

Kathleen Sheehan, Educational Testing Service; April Ginther, Purdue University
What do multiple choice verbal reasoning items really measure? An analysis of the cognitive skills underlying performance on a standardized test of reading comprehension skill

Brian W. Junker, Carnegie Mellon University; Gail Baxter, Educational Testing Service
Designing developmental assessments: A case study in proportional reasoning

Discussant: Tom Van Essen, Educational Testing Service**Wednesday, April 11****4:45 – 6:15 p.m.****J2 Linking and Scaling IRT Proficiency Metrics—Paper Session****Moderator:** Carolyn C. Crone, Educational Testing Service

Presenters: William Walsh, Polina Harik, Brian E. Clauser, National Board of Medical Examiners
The effects of different methods of polytomization on scaling performance assessments using a partial credit model

Anton A. Béguin, Citogroup; Bradley A. Hanson, ACT, Inc.
Effect of noncompensatory multidimensionality on separate and concurrent estimation in IRT observed score equating

Huan-Wen Chen, Michael J. Kolen, University of Iowa
Linking ITBS survey language battery to complete language battery using five different linking methods

Richard Tate, Florida State University
Long-term scale maintenance for mixed format tests containing multiple choice and constructed response items

Sheila Barron, H.D. Hoover, University of Iowa
The impact of context effects in test linking based on common items

Discussant: Carolyn C. Crone, Educational Testing Service

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., the American Council on Education/GED Testing Service, CTB/McGraw-Hill, Educational Testing Service, Harcourt Educational Measurement, Measured Progress, and the National Board of Medical Examiners.

Thursday, April 12**5:50 – 7:30 a.m.****Fitness Walk/Run**

Co-Directors: Ronald A. Berk, Johns Hopkins University; Jon Atherton, AA Sports Ltd.

Run or walk 5K/2.5K course in Myrtle Edwards Park. **Meet in the Lobby of the Sheraton at 5:50 a.m.** Buses will leave promptly at 6:00 a.m. for the Park. The last bus will return to the Sheraton by 7:30 a.m. **PREREGISTRATION IS REQUIRED.**

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

Thursday, April 12**8:00 – 10:00 a.m.**

**K1 NCME Business Meeting and Presidential Address
The Top Ten Things that Parents Want to Know about Testing:
How NCME Can Help**

Presenter: John Fremer, Educational Testing Service

Breakfast ticket required. NCME members who would like to attend only the presidential address are welcome at 8:45 AM.

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

Thursday, April 12

10:15 a.m. – 12:15 p.m.

L1 Annual Teachers' Classroom Assessment Recognition Program—Part I: Coordinated Paper Session

**Five Years of Classroom Assessment Development:
A Washington State Showcase**

Organizer/

Moderator: Rick Stiggins, Assessment Training Institute

Presenters: Terry Bergeson, Washington Superintendent of Public Instruction
Facing the political realities of balancing classroom and standardized assessment

Pat Rachel, Washington Education Association
The Washington Education Association's cadre of classroom assessment trainers

Rick Stiggins, Assessment Training Institute
Learning teams for classroom assessment literacy development

Linda Gohlke, Shoreline School District
Assembling toolkits of classroom assessment examples

John Woodward, University of Puget Sound
Productive assessment literacy training in teacher preparation

Discussants: Judith Arter, Assessment Training Institute
Program evaluation results

Joe Willhoft, Tacoma Schools
One school district's perspective

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

Thursday, April 12

10:35 a.m. – 12:05 p.m.

M1 Strategies for Increasing and Diversifying the Educational Measurement Community—Interactive Panel Discussion

Organizers: NCME Recruitment of Educational Measurement Specialists and Minority Issues in Testing Committees

Facilitator: Stephen G. Sireci, University of Massachusetts Amherst

Presenters: Linette Ross, National Board of Medical Examiners
Ernest C. Davenport, University of Minnesota
Daria Ellis, National Board for Professional Teaching Standards
Won-Chan Lee, ACT, Inc.

Joseph O'Reilly, Mesa (AZ) Public Schools

María Pennock-Román, Penn State University

Thursday, April 12**10:35 a.m. – 12:05 p.m.****M2 Assessment and Teacher Quality—Symposium****Organizer/****Moderators:** Karen J. Mitchell, Kathleen T. Knowles, National Research Council**Presenters:** David Z. Robinson, Carnegie Corporation of New York
Carl A. Grant, University of Wisconsin—Madison
Barbara S. Plake, University of Nebraska—Lincoln
Pamela A. Moss, University of Michigan**Discussants:** Lloyd Bond, University of North Carolina at Greensboro
Martin Orland, U.S. Department of Education**Thursday, April 12****12:25 – 1:55 p.m.****N1 Automated Essay Graders: Performance Assessment in the New Millennium—Symposium****Organizer/****Moderator:** Mark D. Shermis, IUPUI Testing Center**Presenters:** Jill Burstein, ETS Technologies, Inc.
Progress in e-Rater scoring: New methods toward scoring and essay-based feedback
Scott Elliot, Vantage Technologies, Inc.
IntelliMetric™: Technical characteristics and selected study results
Ellis B. Page, TruJudge, Inc.
Project essay grade (PEG): (1965–1973) (1993–2001)
Darrell Laham, Knowledge Analysis Technologies
*Automatic scoring and annotation of essays with the Intelligent Essay Assessor***Discussants:** Pamela A. Moss, University of Michigan
John Fremer, Educational Testing Service

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

Thursday, April 12

12:25 – 1:55 p.m.

Cedar, 2nd Floor Sheraton Towers

N2 Methodological Notes from the Analysis of NAEP Performance Assessment Data—Coordinated Paper Session

Organizer: Nancy L. Allen, Educational Testing Service

Moderator: Peggy G. Carr, National Center for Education Statistics

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

The distribution of an item-fit measure for polytomous items

Jiahe Qian, Educational Testing Service

Effects of different starting values on the scaling of assessments with small number of items

Nancy L. Allen, Educational Testing Service

e-Rater and NAEP essay scores

Brenda Siok-Hoon Tay-Lim, Educational Testing Service

Investigation of the complex relationship of NAEP items using cluster analysis and factor analysis

Thursday, April 12

12:25 – 1:55 p.m.

Room 416, 4th Floor Sheraton Towers

N3 Uncommon Estimates of Standard Errors—Paper Session

Moderator: James M. Graham, Texas A&M University

Presenters: Guemin Lee, Anne R. Fitzpatrick, CTB/McGraw-Hill

The influence of student sampling plan on standard errors for school PAAC

Dean A. Colton, ACT, Inc.

Smoothing before norming

Won-Chan Lee, ACT, Inc.

A multinomial error model for tests with polytomous items

David F. Lohman, University of Iowa

Two IRT-based estimates of personal, conditional standard errors of measurement

Wenchun Feng, Robert Ankenmann, University of Iowa

The applicability of jackknife procedure for estimating standard errors for variance component estimates in random effects G study: $p \times i$ and $p \times X \times r$ designs

Discussant: Robert L. Brennan, University of Iowa

Thursday, April 12**12:25 – 1:55 p.m.**

N4 Annual Teachers' Classroom Assessment Recognition Program—Part II: A Washington State Classroom Assessment Demonstration Showcase

Organizer: Rick Stiggins, Assessment Training Institute

Twenty-five Washington State teachers and administrators will offer roundtable and poster presentations on their applications of innovative, high-quality classroom assessments. Several will highlight their uses of student-involved assessment, record keeping and communication. Others will showcase the professional development strategies they use to develop classroom assessment literacy or their unique applications of technology in classroom assessment.

Thursday, April 12**2:15 – 3:45 p.m.**

O1 Increasing the Usefulness of Achievement Test Results—Symposium

Organizer: Judith A. Koenig, National Research Council

Moderator: Pasquale J. DeVito, National Research Council

Presenters: Mary Lyn Bourque, National Assessment Governing Board
Increasing the usefulness of NAEP data

Ronald K. Hambleton, April Zenisky, University of Massachusetts Amherst

Studies to improve the way state and national test scores are reported

LeAnne Gamache, Littleton Public Schools
Reporting district-level NAEP data

Mark D. Reckase, Michigan State University
Designing a market basket for NAEP

Discussants: John Poggio, University of Kansas

Joseph O'Reilly, Mesa (AZ) Public Schools

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

O2 Applications of Model-Based Measurement to Solve Difficult, Real-World Problems Arising in a Large-Scale Testing Program—Coordinated Paper Session

Organizer/

Moderator: Gary L. Thomasson, Defense Manpower Data Center

Presenters:

Iosif A. Krass, Defense Manpower Data Center
Application of score information in CAT pool development and its relation with “likelihood test information”

W. Alan Nicewander, Mary Quenette, Defense Manpower Data Center
(Inexpensive) model-based vs. (very expensive) empirical equating of test forms

Gary L. Thomasson, Defense Manpower Data Center
Using model-based measurement equating techniques to equate tests having strongly “abnormal” score distributions

Daniel O. Segall, Defense Manpower Data Center
Detecting compromise in high-stakes computerized adaptive testing: A verification testing approach

Discussants:

Nambury S. Raju, Illinois Institute of Technology
Terry A. Ackerman, University of North Carolina at Greensboro

Thursday, April 12**2:15 – 3:45 p.m.****03** **Items: The Next (Automatic) Generation—Coordinated Paper Session****Organizer:** Catherine M. Hombo, Educational Testing Service**Moderator:** Henry Braun, Educational Testing Service**Presenters:** Amy Dresher, University of Pittsburgh; Catherine M. Hombo, Educational Testing Service
*A simulation study of the impact of automatic item generation on item and ability parameter estimation*Catherine M. Hombo, Educational Testing Service; Amy Dresher, University of Pittsburgh
*A simulation study of the impact of automatic item generation under NAEP-like data conditions*Jonathan Manalo, Michigan State University; Eiji Muraki, Educational Testing Service; Akihito Kamata, Florida State University
*A hierarchical item response model for item isomorphs*Joy L. Matthews-López, Catherine M. Hombo, Educational Testing Service
*Modeling the hyperdistribution of item parameters to improve the accuracy of recovery in estimation procedures*Joanna S. Gorin, University of Kansas
*Automated item generation in spatial reasoning: An investigation of assembling objects (AO) problems***Discussants:** Paul Nichols, ACT, Inc.

Don McLaughlin, American Institutes for Research

Thursday, April 12

4:05 – 6:05 p.m.

P1 **Important Topics in K–12 Large–Scale Assessment:
A Measurement and Policy Perspective on Each—
Invited Symposium**

Organizer/

Moderator: Gary A. Schaeffer, CTB/McGraw–Hill

Presenters: Marc W. Julian, CTB/McGraw–Hill; Shu Jing Yen, Maryland State
Department of Education

Field test and operational test design issues

James E. Carlson, National Assessment Governing Board; Peggy G.
Carr, National Center for Education Statistics

Scoring and scaling open–ended items

Richard J. Patz, CTB/McGraw–Hill; Martha L. Thurlow, National
Center on Educational Outcomes

Standardization and accommodation in student testing

S.E. Phillips, Consultant; Robert C. Sykes, CTB/McGraw–Hill

High–stakes testing and legal considerations

West Ballroom, 2nd Floor Sheraton Towers

Thursday, April 12

4:05 – 6:05 p.m.

P2 **Innovative Measurement Models for Performance
Assessment—Symposium**

Organizer: Frank Jenkins, Educational Testing Service

Moderator: Paul W. Holland, Educational Testing Service

Presenters: Catherine Hombo, John R. Donoghue, Educational Testing Service
Applying the hierarchical raters' model to NAEP

Matthew Johnson, Frank Jenkins, Educational Testing Service;
Edward H. Ip, Steven Scott, University of Southern California

A general IRT model for performance assessment

Jinming Zhang, Educational Testing Service

Using multidimensional IRT to analyze item response data

Frank Jenkins, Educational Testing Service

*Bayesian inference networks for modeling complex performance
assessments*

Discussant: Paul W. Holland, Educational Testing Service

Cedar, 2nd Floor Sheraton Towers

Thursday, April 12**4:05 – 6:05 p.m.****P3 Differential Item Functioning: State of the Art—Interactive Symposium****Organizer/****Moderator:** Brian Habing, University of South Carolina**Presenters:**

Louis Roussos, Law School Admission Council

David Thissen, University of North Carolina at Chapel Hill

Bruno D. Zumbo, University of British Columbia

Rebecca Zwick, University of California, Santa Barbara

Discussants:

Terry A. Ackerman, University of North Carolina at Greensboro

John R. Donoghue, Educational Testing Service

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

Thursday, April 12**4:05 – 6:05 p.m.****P4 Computer-Based TOEFL: Summary of Current Implementation—Symposium****Organizer/****Moderator:** Xiang Bo Wang, Educational Testing Service**Presenters:**

Patricia Carey, Educational Testing Service

Overview of current CBT TOEFL

Daniel R. Eignor, Educational Testing Service

Critical research in support of implementation of CBT TOEFL

Daniel R. Eignor, Educational Testing Service

Algorithms used in the implementation of CBT TOEFL

Marna Golub-Smith, Educational Testing Service

Challenges of on-line calibration and scaling with multilingual examinee populations

Xiang Bo Wang, Educational Testing Service

CBT TOEFL item pool creation, maintenance and usage

Yong-won Lee, Educational Testing Service

*The essay scoring and scorer reliability in TOEFL CBT***Discussants:**

Stephen G. Sireci, University of Massachusetts Amherst

Neal M. Kingston, Measured Progress

P5 **Testing Accommodations: Raising a White Flag or Waving a Checkered One? —Interactive Symposium**

Organizer/

Moderator: Gregory J. Cizek, University of North Carolina at Chapel Hill

Audience

Survey

Coordinator: Douglas F. Becker, Riverside Publishing Company

Presenters: Kurt F. Geisinger, LeMoyne College
Diana Pullin, Boston College
Rina Sjolund, ACT, Inc.
Gerald Tindal, University of Oregon

Thursday, April 12**4:05 – 6:05 p.m.****P6 Graduate Student Poster Session****Organizer:** Bonita Davidson, University of British Columbia

- Posters:**
1. Theresa R. Alban, Gregory R. Hancock, University of Maryland, College Park
A survey of measurement, statistics, and evaluation doctoral programs in North America
 2. Daniel Altman, Texas A&M University
Constructing good tests: A summary of basic precepts and principles presented in measurement textbooks
 3. Barbara Brawn, University of British Columbia
The effect of reversing positive and negative anchors on semantic differential scales
 4. Bonita Davidson, Stephanie Barclay McKeown, Bruno D. Zumbo, University of British Columbia
A statistical method for reliability generalization: Two case studies
 5. Carla Baker Deniz, George Mason University
The history of research methods in private speech: How can the past inform the future?
 6. Alan M. Dillingham, University of Massachusetts Amherst
Incomplete MDS designs and applications to computer adaptive testing
 7. Kim Sung Eun, Penn State University
Meta analysis of gender differences in test scores vs grades using HLM
 8. M. N. Gelin, Bruno D. Zumbo, A.M. Hublely, University of British Columbia
DIF and various item response formats: A study of the CES-D
 9. Andrea J. Gotzmann, Keith A. Boughton, Mark J. Gierl, University of Alberta
The effects of ability differences on type I error and power rates using SIBTEST and TestGraf
 10. James M. Graham, Texas A&M University
A primer on the use of SEM to evaluate the fit of diverse classes of measurement models
 11. Abbie C. Guthrie, Texas A&M University
A primer on basic models for vertical and horizontal test score equating
 12. Michael G. Jodoin, Kristen L. Huff, University of Massachusetts Amherst
Examining type I error and power rates when ability

distributions are unequal with the logistic regression procedure for DIF detection

13. S. Neil Marsh, Texas A&M University
An introduction to various approaches to standard setting
14. Joy L. Matthews-López, Educational Testing Service
A Monte Carlo study of the Mantel-Haenszel procedure for detecting differential item functioning in small samples
15. Francis A. Mendez, Rutgers University
Application of data mining to response data in computerized adaptive testing
16. Lora Monfils, Rutgers University
A simulation study of the distribution of a likelihood-ratio measure of item fit
17. Deanna L. Morgan, University of Georgia
A generalizability analysis of the Torrance Test of Creative Thinking-Figural (TTCT-F)
18. Charles Ochieng Owuor, Bruno D. Zumbo, University of British Columbia
Implications of ordinal scale categorization on multiple regression models under different distributions and conditions: An assessment of the accuracy and information of Likert-type scales on regression analysis
19. Gautam Puhan, University of Alberta
Gender differences in testing and item context: Does it make a DIF?
20. Ellen D. Reed, Stanford University
Measuring the achievement of students with learning disabilities and students with attention deficit hyperactivity disorder: Test accommodations and score interpretations
21. Wonsook Julie Sohn, University of Illinois at Urbana-Champaign
Application of a multi-group confirmatory factor analysis in testing for measurement invariance
22. Dawn Vandenbosch, Texas A&M University
Evolving views of the nature of score validity
23. Kelly Williams, Steven L. Wise, Richard West, James Madison University
Multifaceted measurement of critical thinking skills in college students
24. April Zenisky, Ronald K. Hambleton, University of Massachusetts Amherst; Frédéric Robin, Educational Testing Service
Two-stage large sample DIF procedures for state assessments

Friday, April 13**8:15 – 9:45 a.m.****Q1 Creating High–Stakes Tests That Help Teachers—Symposium****Organizer:** W. James Popham, UCLA**Moderator:** Thomas M. Haladyna, Arizona State University West**Presenters:** W. James Popham, UCLA*Scrutinizing high–stakes test items from an instructional perspective*

Selvin Chin–Chance, Hawaii Department of Education

Results of a large–scale instructionally oriented review of high–stakes test items

James C. Impara, University of Nebraska–Lincoln

*Alignment: One element of an assessment’s instructional utility***Discussants:** Edward J. Slawski, Harcourt Educational Measurement

Thomas M. Haladyna, Arizona State University West

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

Friday, April 13**8:15 – 10:15 a.m.****Q2 The “Three W’s” meet the “Three R’s”: Computer-Based Testing in the Schools—Why, What, and How—Invited Symposium****Moderator:** Randy Bennett, Educational Testing Service**Presenters:** Diane Shorrocks–Taylor, University of Leeds (UK)*Creating a computerized world class test*

Randy Bennett, Educational Testing Service

Using new technology in NAEP: The NAEP technology based assessment studies

Wayne Newburger, Oregon Department of Education

On–line student assessment: A state perspective

Timothy Vansickle, Riverside Publishing

*On–line standards–based assessment to guide instruction***Discussant:** Eva Baker, CRESST/UCLA

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

Friday, April 13

8:15 – 10:15 a.m.

Q3 Fairness in Testing: Applying the New Standards—Joint Committee on Testing Practices—Invited Panel Discussion

Organizer/

Moderator: Julie Noble, ACT, Inc.

Presenters: Carole Perlman, Chicago Public Schools
Douglas K. Smith, University of Albany, State University of New York
Janet Helms, Boston College
William “Gee” Harris, Association of Test Publishers
John Fremer, Educational Testing Service
Janet Wall, ACT, Inc.

Discussants: Bert Green, Johns Hopkins University
Cynthia B. Schmeiser, ACT, Inc.

Friday, April 13

10:00 – 11:30 a.m.

R1 Graduate Student Paper Session—Invited Coordinated Paper Session

Organizer: Lisa Keller, University of Massachusetts Amherst

Moderators: Lisa Keller, University of Massachusetts Amherst;
Rufus Carter, University of Florida

Presenters: Robin D. Anderson, James Madison University
Stereotype threat: The effects of gender identification on standardized test performance
Mary J. Pitoniak, University of Massachusetts at Amherst
A multitrait–multimethod investigation of the uniform CPA examination
Jill van den Heuvel, University of Pittsburgh
Will the real SES measure please stand up?
Pamela L. Paek, University of California–Berkeley
Conceptualizing mathematical problem solving

Discussants: Hariharan Swaminathan, University of Massachusetts at Amherst
Linda Cook, Educational Testing Service

Room 309, 3rd Floor Convention Center

Room 307, 3rd Floor Convention Center

Friday, April 13**10:35 a.m. – 12: 05 p.m.****S1 Score Comparability Across Changing Circumstances—Paper Session****Moderator:** Dawn Vandembosch, Texas A&M University

- Presenters:** N. Scott Bishop, Riverside Publishing
The validity of reading comprehension test scores: Evidence of generalizability across different test administration conditions
- Hunter M. Breland, Eiji Muraki, Yong-Won Lee, Educational Testing Service
Comparability of TOEFL CBT essay prompts for different response modes
- P. Adam Kelly, Florida State University
Automated scoring systems for analytical writing essays: Demonstrating score validity
- Kyoko Ito, Changhua Rich, Zhen Wang, CTB/McGraw-Hill
An investigation of the psychometric comparability between tests in two languages that are not direct translations
- Gary A. Schaeffer, Dianne Henderson, Marc Julian, CTB/McGraw-Hill; Nancy Bene, Maryland State Department of Education
A comparison of weighted raw scores and IRT pattern scores for tests with dichotomous and polytomous items

Discussant: Daniel R. Eignor, Educational Testing Service**Friday, April 13****10:35 a.m. – 12:05 p.m.****S2 Reliability of Rater Judgements—Paper Session****Moderator:** Kelly Williams, James Madison University

- Presenters:** Keith A. Boughton, Don A. Klinger, Mark J. Gierl, University of Alberta
Effect of rater error on parameter recovery of the generalized partial credit model and graded response model
- Husein Taherbhai, University of Pittsburgh; Michael Young, Harcourt Educational Measurement
A simulation study of rater impact on differentially weighted composite scores, using the multifaceted Rasch model
- Xiaohong Gao, ACT, Inc.
A further look at rater and task sampling variability in a performance assessment
- Kirk Ridge, Measurement Inc.
Do raters demonstrate halo error when scoring a series of responses?

Discussant: Catherine J. Welch, ACT, Inc.

Friday, April 13

11:45 a.m. – 1:15 p.m.

Room 307, 3rd Floor Convention Center

T1 The Effects of Model Misfit on CAT Scores—Paper Session

Moderator: Alan M. Dillingham, University of Massachusetts Amherst

Presenters: Judy A. Jennings, Barbara G. Dodd, Steven J. Fitzpatrick, University of Texas at Austin

An investigation of the impact of items that exhibit mild non-uniform DIF on ability estimation in CAT

Ryan Bowles, University of Virginia; Mary Pommerich, ACT, Inc.

An examination of the arguments for and against allowing item review on a CAT the specific information item selection algorithm

Walter P. Vispoel, Sara Clough, Amy Hendrickson, Damien Ihrig, University of Iowa; Tim Bleiler, SUNY

Can examinees use judgments of relative item difficulty to positively bias scores on computerized adaptive tests?

Qing Yi, Heru Widiatmo, Jae-Chun Ban, Deborah J. Harris, ACT, Inc.

Impact of scoring options for not reached items in CAT

Mei Liu, Law School Admission Council; Fanmin Guo, Renbang Zhu, Educational Testing Service

Impact of item parameter drift on ability estimation in CAT

Discussant: Walter D. Way, Educational Testing Service

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

Friday, April 13

12:25 – 1:55 p.m.

Room 611, 6th Floor (access through 4th) Convention Center

**U1 2000 Career Award Recipient
Problems, Pitfalls, and Paradoxes in Educational
Measurement—Invited Address**

Moderator: Linda Cook, Educational Testing Service

Presenter: Robert L. Brennan, University of Iowa

Discussants: Wendy M. Yen, ETS K–12 Works

Paul W. Holland, Educational Testing Service

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

Friday, April 13**12:25 – 1:55 p.m.****U2 Test Score and Rater Reliability—Paper Session****Moderator:** Kim Sung Eun, Penn State University**Presenters:** Lisa M. Floreck, André De Champlain, National Board of Medical Examiners; David W. Kaplan, University of Delaware
*Assessing sources of score variability in a multi-site medical performance assessment: An application of hierarchical linear modeling*Robert C. Sykes, Kyoko Ito, Denise Truskosky, CTB/McGraw-Hill
*Determining the representation of constructed response items in mixed-item format exams*Jonathan Dings, Boulder Valley Public Schools; Ruth Childs, OISE, University of Toronto; Neal M. Kingston, Measured Progress
*Effects of matrix sampling on student score comparability in constructed-response and multiple-choice assessments*Louis T. Mariano, Brian W. Junker, Carnegie Mellon University
*Developments in the hierarchical rater model***Discussant:** Robert Ankenmann, University of Iowa**Friday, April 13****1:30 – 2:45p.m.****V1 Implementing Innovative Measurement Technology in a Computer-Based Certification Testing Program—Symposium****Organizers:** Michael G. Jodoin, Kristen L. Huff, University of Massachusetts Amherst**Moderator:** Cyndy Fitzgerald, Microsoft Corporation**Presenters:** Cyndy Fitzgerald, Microsoft Corporation
*Rewards and challenges of implementing an innovative CBT certification exam program*Richard M. Luecht, University of North Carolina at Greensboro
*Capturing, codifying, and scoring complex data for innovative, computer-based items*Kristen L. Huff, University of Massachusetts Amherst
*Overcoming the challenges of a case-based exam*Michael G. Jodoin, University of Massachusetts Amherst
*Evaluating features of innovative item types***Discussants:** John J. Norcini, Institute for Clinical Evaluation

Brian E. Clauser, National Board of Medical Examiners

W1 **On–The–Fly Generative Adaptive Assessment of Quantitative Reasoning: Content, Psychometric and Technological Perspectives—Symposium**

Organizer/

Moderator: Isaac I. Bejar, Educational Testing Service

Presenters:

Mary E. Morley, Educational Testing Service

Item models as an approach to capture content expertise

Michael E. Wagner, Educational Testing Service

A system for on–the–fly adaptive testing

Javier Revuelta, Isaac I. Bejar, Martha Stocking, Educational Testing Service

A Monte Carlo study of the feasibility of the on–the–fly assessment

Christopher W. T. Chiu, University of Pittsburgh; Isaac I. Bejar, Educational Testing Service

Isomorphism as a criterion for evaluation item models taking response time into consideration: A generalizability approach

Isaac I. Bejar, René R. Lawless, Educational Testing Service

An empirical study of the equivalence of operational and generative GRE quantitative scores

Discussants: Michael J. Kolen, University of Iowa

Harry O'Neil, University of Southern California

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

Friday, April 13**2:15 – 3:45 p.m.****W2 Operational Issues for Computerized Adaptive Testing Programs—Coordinated Paper Session****Organizer/****Moderator:** Robert L. Smith, Educational Testing Service**Presenters:** Fanmin Guo, Elizabeth Stone, Diane Cruz, Educational Testing Service
*On-line calibration using PARSCALE item specific prior method:
Changing test population and sample size*Robert L. Smith, Ming-mei Wang, Marilyn Wingersky, J. Charles Zhao, Aleta Sclan, Educational Testing Service
*Monitoring items for changes in performance in computerized adaptive tests*Manfred Steffen, Educational Testing Service
Stability of item times across uses of the item

Walter D. Way, Lisa Gawlick, Daniel R. Eignor, Educational Testing Service

Scoring alternatives for incomplete computer adaptive tests

Frédéric Robin, Feng Yu, Renbang Zhu, Erin Herbert, Educational Testing Service

*Assessing person fit in operational adaptive testing programs***Discussants:** Deborah L. Schnipke, CAT, Inc.

Barbara S. Plake, University of Nebraska—Lincoln

Friday, April 13**2:15 – 3:45p.m.****W3 Hidden Standard Errors: What You Don't Know Can Hurt You—Coordinated Paper Session****Organizer/****Moderator:** Steven Gorman, National Center for Education Statistics**Presenters:** Steven Gorman, National Center for Education Statistics
*An overview of sources of hidden variance in tests and assessments*Jon Cohen, Eugene Johnson, January Angeles, American Institutes for Research
*Estimates of the precision of estimates from NAEP using a two-dimensional jackknife procedure*Larry V. Hedges, University of Chicago; Jack L. Vevea, University of North Carolina at Chapel Hill
*A Study of equating in NAEP*John R. Donoghue, Jiahe Qian, Bruce Kaplan, Educational Testing Service
Long – term trend writing NAEP: Measuring uncertainty

Friday, April 13

3:00 – 4:30 p.m.

Room 307, 3rd Floor Convention Center

X1 Test Reliability—Paper Session

Moderator: Deanna L. Morgan, University of Georgia

Presenters: Ping Yin, Robert L. Brennan, University of Iowa
An investigation of simple difference scores in a grade-level testing program

Jane C. Folske, Marc E. Gessaroli, National Board of Medical Examiners

Estimating reliability for tests comprised of testlets: A factor analytic approach

Tamara B. Miller, Carroll College; Michael Kane, University of Wisconsin – Madison

The precision of change scores under absolute and relative interpretations

Amy B. Hendrickson, University of Iowa

Reliability of scores from tests composed of testlets: A comparison of methods

Discussant: David Thissen, University of North Carolina at Chapel Hill

Friday, April 13

4:05 – 6:05 p.m.

Room 611, 6th Floor (access through 4th) Convention Center

Y1 Artificial Intelligence: A “Smart” Choice for Educational Measurement? —Invited Symposium

Organizer/

Moderator: David M. Williamson, Educational Testing Service

Presenters: Ron Stevens, Adrian Casillas, Terry Vendlinski, UCLA
Artificial neural network-based performance assessments using simulations

Kurt VanLehn, University of Pittsburgh

A sensitivity analysis of the Andes Bayesian Student Modeler

David M. Williamson, Robert J. Mislevy, Russell G. Almond, Educational Testing Service

Model criticism of Bayesian networks with latent variables

Eric Horvitz, Microsoft Corporation

Attention, engagement, competency and confusion: Leveraging Bayesian reasoning in educational systems

Discussants: Brian W. Junker, Carnegie Mellon University

Alan Lesgold, University of Pittsburgh

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

Friday, April 13**4:05 – 6:05 p.m.****Y2** **Minority Issues and Selective Admissions in Higher Education—Minority Issues and Testing Committee Session****Organizer/****Moderator:** María Pennock–Román, Penn State University**Presenters:** Patricia Gandára, University of California, Davis
Gwyneth M. Boodoo, Jill Burstein, Educational Testing Service
Brent Bridgeman, Educational Testing Service
Howard Everson, The College Board**Friday, April 13****4:45 – 6:15 p.m.****Z1** **Test Security in a High Stakes Environment: Myth or Reality?—National Association of Testing Directors Session****Organizer:** Mary E. Yakimowki–Srebnick, Hampton (VA) Public Schools**Moderator:** Carole Perlman, Chicago Public Schools**Presenters:** Gregory J. Cizek, University of North Carolina at Chapel Hill
Michael Kean, CTB/McGraw–Hill
Douglas Rindone, Connecticut State Department of Education
Mary E. Yamikowski–Srebnick, Hampton (VA) Public Schools**Discussants:** Joseph O'Reilly, Mesa (AZ) Public Schools

Zollie Stevenson, U.S. Department of Education

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

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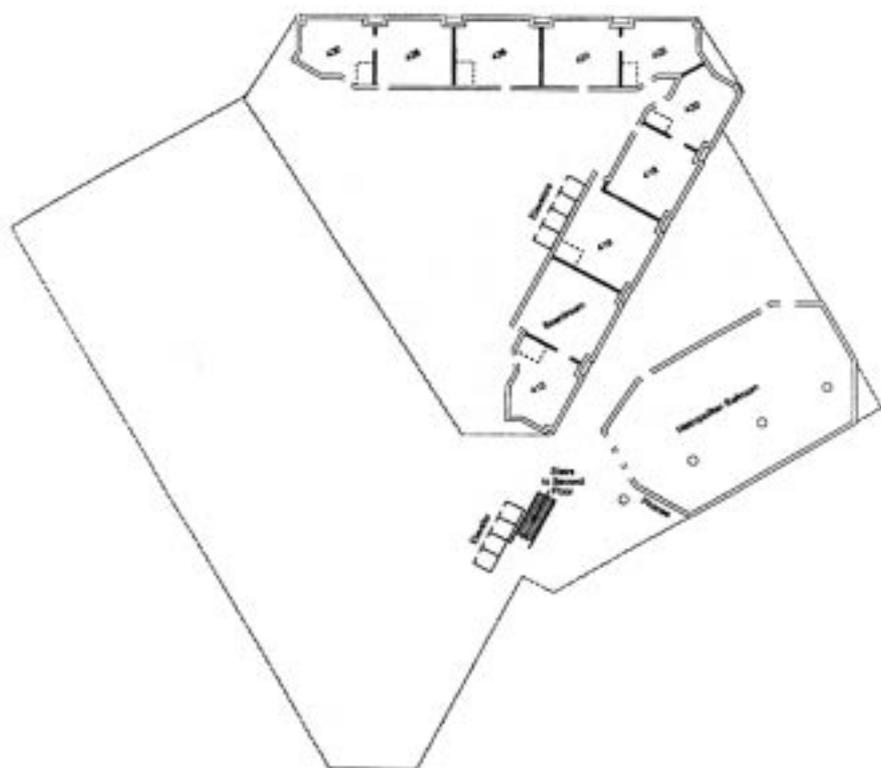
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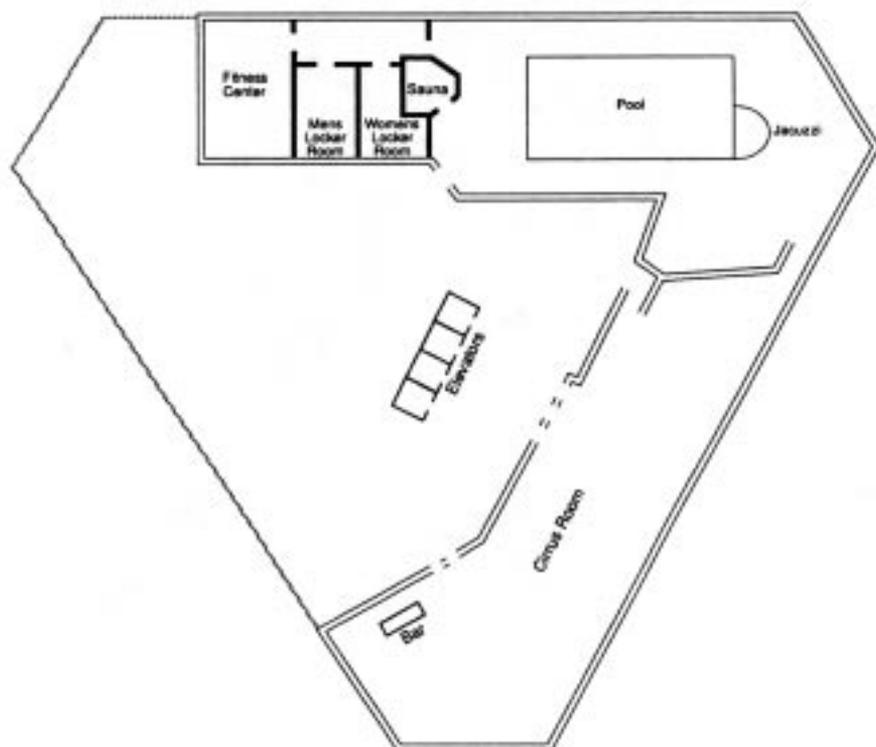
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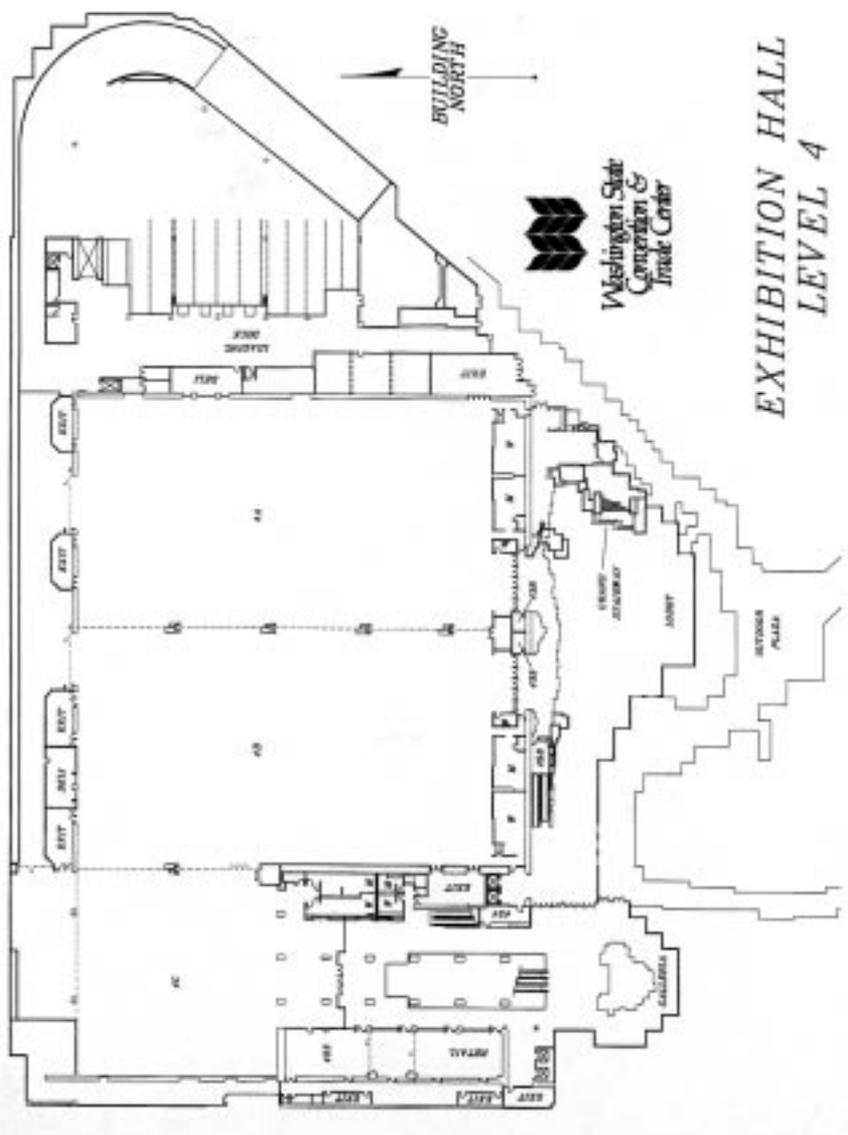
3rd AND 4th FLOOR PLAN

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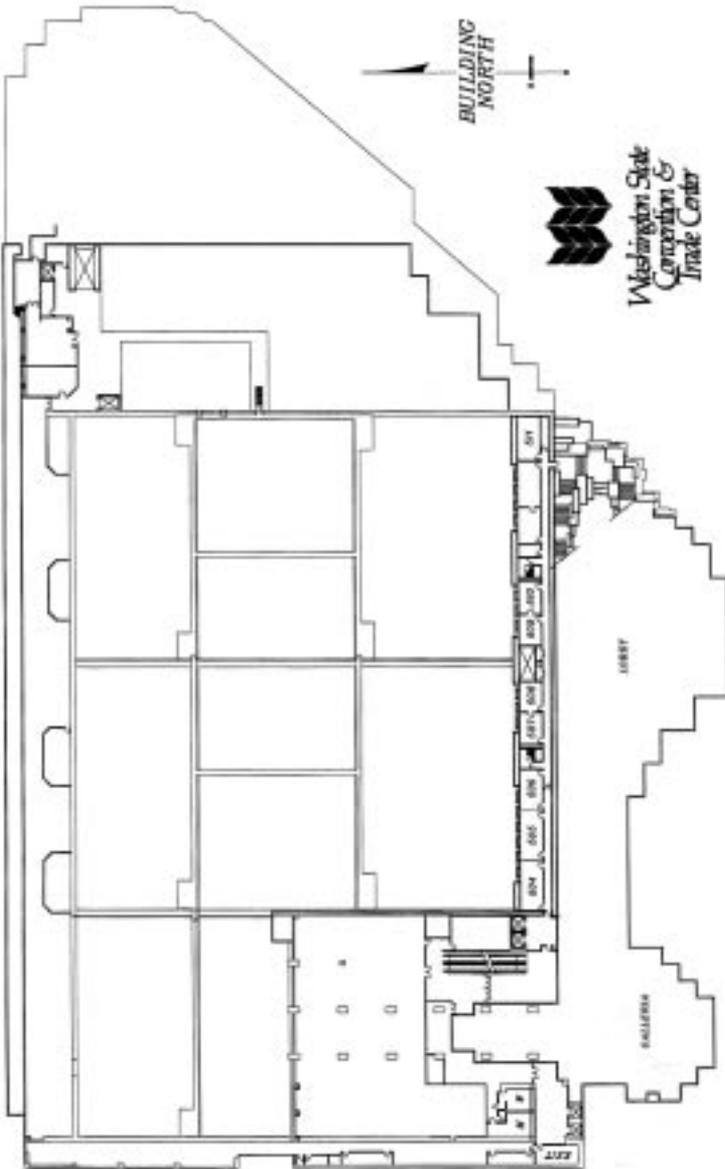


35th FLOOR PLAN

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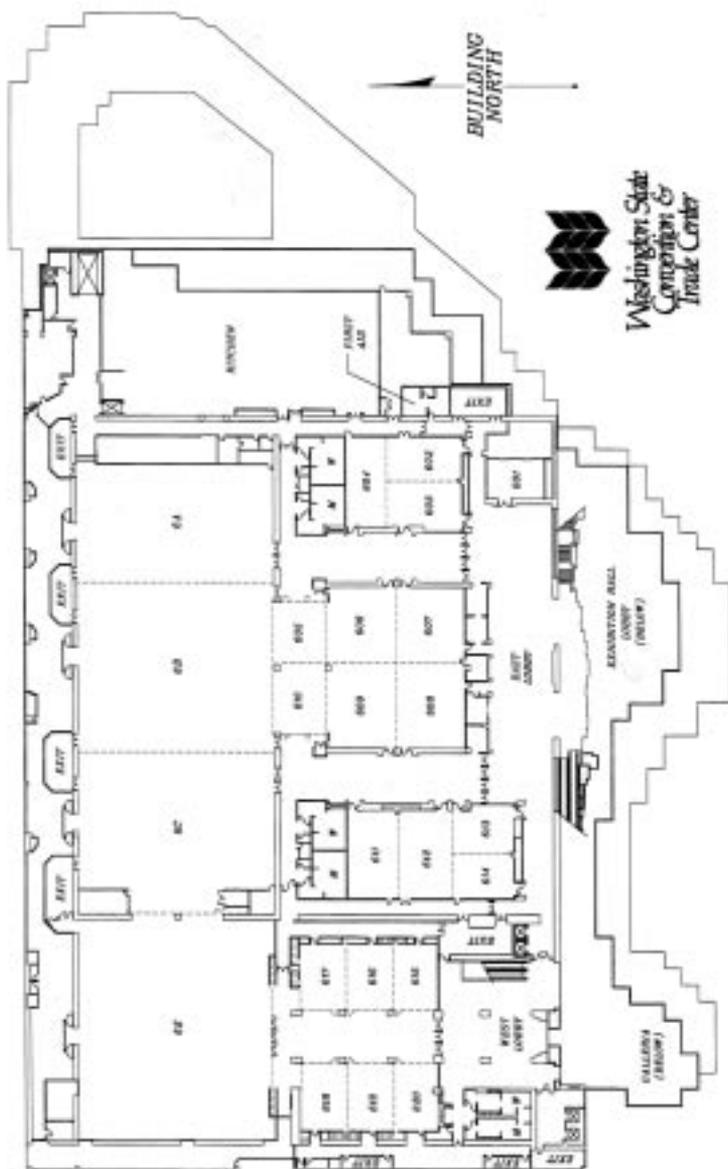


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